

# Horizon 2020

Call: H2020-SC5-2015-one-stage

Topic: SC5-02-2015

Type of action: ERA-NET-Cofund

Proposal number: 690462

Proposal acronym: ERA4CS

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### How to fill in the forms

The administrative forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the administrative forms are pre-filled based on the previous steps in the submission wizard.

Proposal ID **690462**Acronym **ERA4CS**

## 1 - General information

Topic SC5-02-2015

Type of action ERA-NET-Cofund

Call identifier H2020-SC5-2015-one-stage

Acronym ERA4CS

Proposal title\* European Research Area for Climate Services

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months 60

Fixed keyword 1 Climatology and climate change

Add

Fixed keyword 2 Earth Observation / Services and applications

Add

Remove

Fixed keyword 3 Numerical analysis, simulation, optimisation, modelling tools, da

Add

Remove

Fixed keyword 4 Web and information systems, database systems, information re

Add

Remove

Fixed keyword 5 Geo-information and spatial data analysis

Add

Remove

Fixed keyword 6 Risk analysis

Add

Remove

Free keywords

climate services; stakeholder involvement; co-development for user needs; institutional integration; co-alignment of national activities

### Abstract

Within the European Research Area (ERA), the ERA4CS Consortium is aiming to boost, research for Climate Services (CS), including climate adaptation, mitigation and disaster risk management, allowing regions, cities and key economic sectors to develop opportunities and strengthen Europe's leadership. CS are seen by our consortium as driven by user demands to provide knowledge to face impacts of climate variability and change, as well as guidance both to researchers and decision makers in policy and business.

We will focus on the development of a "climate information translation" layer bridging "user communities" and "climate science system". It implies the development of tools, methods, standards and quality control for reliable, qualified and tailored information required by the various field actors for smart decisions.

ERA4CS will boost the JPI Climate initiative by mobilizing more deeply, within EU Member States and Associated Countries, by involving both the research performing organizations (RPOs) and the research funding organizations (RFOs), the distinct national climate services and the various disciplines of academia, including Humanities and Social Sciences. We will launch a joint transnational co-funded call, with over 16 countries and up to 75M€, with two complementary topics: (i) a "cash" topic, supported by 12 RFOs, on co-development for user needs and action-oriented projects; (ii) an "in-kind" topic, supported by 28 RPOs, on institutional integration of the research components of national CS.

Finally, ERA4CS additional activities will initiate a strong partnership between JPI Climate and others key European and international initiatives (as Copernicus, KIC-Climate, JPIs, WMO/GFCS, Future Earth, Belmont Forum...) in order to work towards a common vision and a multiyear implementation strategy, including better co-alignment of national programs and activities up to 2020 and beyond.

Remaining characters

73



Proposal ID **690462**

Acronym **ERA4CS**

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under the 7th Framework Programme, Horizon 2020 or any other EU programme(s)? ☐ Yes ☒ No

Proposal ID **690462**

Acronym **ERA4CS**

### Declarations

1) The coordinator declares to have the explicit consent of all applicants on their participation and on the content of this proposal.	<input checked="" type="checkbox"/>
2) The information contained in this proposal is correct and complete.	<input checked="" type="checkbox"/>
3) This proposal complies with ethical principles (including the highest standards of research integrity — as set out, for instance, in the <a href="#">European Code of Conduct for Research Integrity</a> — and including, in particular, avoiding fabrication, falsification, plagiarism or other research misconduct).	<input checked="" type="checkbox"/>
4) The coordinator confirms:	
- to have carried out the self-check of the financial capacity of the organisation on <a href="https://ec.europa.eu/research/participants/portal/desktop/en/organisations/lfv.html">https://ec.europa.eu/research/participants/portal/desktop/en/organisations/lfv.html</a> or to be covered by a financial viability check in an EU project for the last closed financial year. Where the result was “weak” or “insufficient”, the coordinator confirms being aware of the measures that may be imposed in accordance with the H2020 Grants Manual (Chapter on Financial capacity check); or	<input type="radio"/>
- is exempt from the financial capacity check being a public body including international organisations, higher or secondary education establishment or a legal entity, whose viability is guaranteed by a Member State or associated country, as defined in the H2020 Grants Manual (Chapter on Financial capacity check); or	<input checked="" type="radio"/>
- as sole participant in the proposal is exempt from the financial capacity check.	<input type="radio"/>
5) The coordinator hereby declares that each applicant has confirmed:	
- they are fully eligible in accordance with the criteria set out in the specific call for proposals; and	<input checked="" type="checkbox"/>
- they have the financial and operational capacity to carry out the proposed action.	<input checked="" type="checkbox"/>
The coordinator is only responsible for the correctness of the information relating to his/her own organisation. Each applicant remains responsible for the correctness of the information related to him and declared above. Where the proposal to be retained for EU funding, the coordinator and each beneficiary applicant will be required to present a formal declaration in this respect.	

According to Article 131 of the Financial Regulation of 25 October 2012 on the financial rules applicable to the general budget of the Union (Official Journal L 298 of 26.10.2012, p. 1) and Article 145 of its Rules of Application (Official Journal L 362, 31.12.2012, p.1) applicants found guilty of misrepresentation may be subject to administrative and financial penalties under certain conditions.

### Personal data protection

Your reply to the grant application will involve the recording and processing of personal data (such as your name, address and CV), which will be processed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. Unless indicated otherwise, your replies to the questions in this form and any personal data requested are required to assess your grant application in accordance with the specifications of the call for proposals and will be processed solely for that purpose. Details concerning the processing of your personal data are available on the [privacy statement](#). Applicants may lodge a complaint about the processing of their personal data with the European Data Protection Supervisor at any time.

Your personal data may be registered in the Early Warning System (EWS) only or both in the EWS and Central Exclusion Database (CED) by the Accounting Officer of the Commission, should you be in one of the situations mentioned in:

- the Commission Decision 2008/969 of 16.12.2008 on the Early Warning System (for more information see the [Privacy Statement](#)), or
- the Commission Regulation 2008/1302 of 17.12.2008 on the Central Exclusion Database (for more information see the [Privacy Statement](#)).

Proposal ID **690462**

Acronym **ERA4CS**

## List of participants

#	Participant Legal Name	Country
1	AGENCE NATIONALE DE LA RECHERCHE	France
2	BUNDESMINISTERIUM FUR WISSENSCHAFT UND FORSCHUNG BMWF	Austria
3	SERVICE PUBLIC FEDERAL DE PROGRAMMATION POLITIQUE SCIENTIFIQUE	Belgium
4	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	Germany
5	INNOVATIONSFONDEN	Denmark
6	MINISTERIO DE ECONOMIA Y COMPETITIVIDAD	Spain
7	ENVIRONMENTAL PROTECTION AGENCY OF IRELAND	Ireland
8	NEDERLANDSE ORGANISATIE VOOR WETENSCHAPPELIJK ONDERZOEK	Netherlands
9	Research Council of Norway	Norway
10	FUNDACAO PARA A CIENCIA E A TECNOLOGIA	Portugal
11	UEFISCDI	Romania
12	FORSKNINGSRÅDET FÖR MILJÖ, AREELLA NÄRINGAR OCH SAMHÄLLSBYGGANDE	Sweden
13	UNIVERSITAET GRAZ	Austria
14	INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE	Belgium
15	ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG	Germany
16	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	Germany
17	DANMARKS METEOROLOGISKE INSTITUT	Denmark
18	AGENCIA ESTATAL DE METEOROLOGIA	Spain
19	BARCELONA SUPERCOMPUTING CENTER - CENTRO NACIONAL DE SUPERCOMPUTACION	Spain
20	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	Spain
21	UNIVERSIDAD DE CANTABRIA	Spain



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **ANR**

## 2 - Administrative data of participating organisations

### PIC

998711613

### Legal name

AGENCE NATIONALE DE LA RECHERCHE

*Short name: ANR*

### *Address of the organisation*

Street 50 avenue Daumesnil

Town PARIS

Postcode 75012

Country France

Webpage [www.agence-nationale-recherche.fr](http://www.agence-nationale-recherche.fr)

### *Legal Status of your organisation*

#### Research and Innovation legal statuses

Public body ..... yes

Legal person ..... yes

Non-profit ..... yes

Industry (private for profit)..... no

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... no

Research organisation ..... unknown

#### Enterprise Data

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **ANR**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Environment, Biological Resources, Ecology, Earth and Astronomy

☒ Same as organisation address

Street

50 avenue Daumesnil

Town

PARIS

Postcode

75012

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **ANR**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Patrick**

Last name **Monfray**

E-Mail **patrick.monfray@agencerecherche.fr**

Position in org.

Deputy Head of Department

Department

Environment, Biological Resources, Ecology, Earth and Astronomy

☒ Same as organisation address

Street

50 avenue Daumesnil

Town

PARIS

Post code

75012

Country

France

Website

http://www.agence-nationale-recherche.fr

Phone

+331 78098166

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Dalar	HAMON-ARSLANYAN	dalar.hamon-arslanyan@agencerecherche.f	+331 73548280
Chloé	DEYGOUT	chloe.deygout@agencerecherche.fr	+ 331 73548181





Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BMWFW**

**PIC**

999826240

**Legal name**

BUNDESMINISTERIUM FUR WISSENSCHAFT UND FORSCHUNG BMWF

*Short name: BMWFW*

*Address of the organisation*

Street Minoritenplatz 5

Town VIENNA

Postcode 1014

Country Austria

Webpage www.bmwf.gv.at

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**BMWFW**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Ref.V/4d „EU-Environment and Climate Research“

☐ Same as organisation address

Street

Rosengasse 4

Town

Vienna

Postcode

1014

Country

Austria

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BMWFW**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Irene**

Last name **Gabriel**

E-Mail **irene.gabriel@bmwf.gv.at**

Position in org.

Deputy Head of Department

Department

Ref.V/4d „EU-Environment and Climate Research“



Same as organisation address

Street

Rosengasse 4

Town

Vienna

Post code

1014

Country

Austria

Website

Phone

(+43) 01/53120-7153

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Karolina	Begusch Pfefferkorn	karolina.begusch-pfefferkorn@bmfw.gv.at	
Matthias	Themessl	matthias.themessl@uni-graz.at	



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BELSP0**

**PIC**

999807713

**Legal name**

SERVICE PUBLIC FEDERAL DE PROGRAMMATION POLITIQUE SCIENTIFIQUE

Short name: *BELSP0*

Address of the organisation

Street avenue Louise 231

Town BRUSSELS

Postcode 1050

Country Belgium

Webpage www.belspo.be

Legal Status of your organisation

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status .....2012 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

L - Public administration & defence

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**BELSP0**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Research Programmes

☒ Same as organisation address

Street

avenue Louise 231

Town

BRUSSELS

Postcode

1050

Country

Belgium

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BELSPO**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mrs

Sex



Male



Female

First name **Petra**

Last name **Manderscheid**

E-Mail **petra.manderscheid@jpi-climate.belspo.be**

Position in org.

Executive Director JPI Climate Central Secretariat

Department

Research Programmes

☒ Same as organisation address

Street

avenue Louise 231

Town

BRUSSELS

Post code

1050

Country

Belgium

Website

www.jpi-climate.com

Phone

0032(0)22383702

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Martine	Vanderstraeten	martine.vanderstraeten@belspo.be	
Frederik	De Bruyn	frederik.debruyne@belspo.be	+32(0)22383454



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **DLR**

**PIC**

999981731

**Legal name**

DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV

*Short name: DLR*

*Address of the organisation*

Street Linder Hoehe

Town KOELN

Postcode 51147

Country Germany

Webpage www.dlr.de

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....no

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2007 - no

SME self-assessment ..... unknown

SME validation sme.....2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **DLR**

### Department(s) carrying out the proposed work

#### Department 1

Department name

PT Umwelt Kultur Nachhaltigkeit

☐ Same as organisation address

Street

Heinrich-Konen-Strasse 1

Town

Bonn

Postcode

53227

Country

Germany

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **DLR**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name **Dagmar**

Last name **Bley**

E-Mail **dagmar.bley@dlr.de**

Position in org.

Senior Scientific Officer

Department

PT Umwelt Kultur Nachhaltigkeit

☐

Same as organisation address

Street

Heinrich-Konen-Strasse 1

Town

Bonn

Post code

53227

Country

Germany

Website

www.pt-dlr.de

Phone

0049(0)22838211727

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Silke	Kraus	silke.kraus@dlr.de	+4922838211207



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **IFD**

**PIC**

939076692

**Legal name**

INNOVATIONSFONDEN

*Short name: IFD*

*Address of the organisation*

Street OSTERGADE 26 A

Town KOBENHAVN K

Postcode 1100

Country Denmark

Webpage www.innovationsfonden.dk

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status.....2013 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**IFD**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Innovationsfonden

☒ Same as organisation address

Street

OSTERGADE 26 A

Town

KOBENHAVN K

Postcode

1100

Country

Denmark

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **IFD**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name **Anitha**

Last name **Sharma**

E-Mail **anitha.sharma@innofond.dk**

Position in org.

Scientific Officer

Department

*Please indicate the department of the Contact Point above in the organisation*



Same as organisation address

Street

OSTERGADE 26 A

Town

KOBENHAVN K

Post code

1100

Country

Denmark

Website

http://innovationsfonden.dk

Phone

+45 6190 5048

Phone 2

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Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Anja Skjoldborg	Hansen	ash@dce.au.dk	



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **MINECO**

**PIC**

954020706

**Legal name**

MINISTERIO DE ECONOMIA Y COMPETITIVIDAD

Short name: *MINECO*

Address of the organisation

Street C/ Albacete 5

Town MADRID

Postcode 28027

Country Spain

Webpage www.mineco.gob.es

Legal Status of your organisation

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

L - Public administration & defence

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**MINECO**

### Department(s) carrying out the proposed work

#### Department 1

Department name

General Direction of Scientific and Technical Research

☒ Same as organisation address

Street

C/ Albacete 5

Town

MADRID

Postcode

28027

Country

Spain

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**MINECO**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Estrella**

Last name **Fernandez**

E-Mail **estrella.fernandez@mineco.es**

Position in org.

Deputy Director Assistant of International Projects

Department

General Direction of Scientific and Technical Research

☒ Same as organisation address

Street

C/ Albacete 5

Town

MADRID

Post code

28027

Country

Spain

Website

http://www.idi.mineco.gob.es

Phone

+34916037498

Phone 2

+34916037990

Fax

+34916037021

### Other contact persons

First Name	Last Name	E-mail	Phone
Esteban	Manrique	sgint.em@mineco.es	+34916038622
Alfio	Rodeghiero	dtma-bce@mineco.es	+34916038399



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **EPA**

PIC	Legal name
999533882	ENVIRONMENTAL PROTECTION AGENCY OF IRELAND

Short name: EPA

Address of the organisation

Street JOHNSTOWN CASTLE ESTATE

Town WEXFORD

Postcode -

Country Ireland

Webpage www.epa.ie

Legal Status of your organisation

#### Research and Innovation legal statuses

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

#### Enterprise Data

SME self-declared status.....2011 - no

SME self-assessment ..... unknown

SME validation sme.....2011 - no

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code - Not applicable



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **EPA**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Environmental Protection Agency

☒ Same as organisation address

Street

JOHNSTOWN CASTLE ESTATE

Town

WEXFORD

Postcode

-

Country

Ireland

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **EPA**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name **Margaret**

Last name **Desmond**

E-Mail **m.desmond@epa.ie**

Position in org.

Climate change research specialist

Department

EPA Research Programme

☒ Same as organisation address

Street

JOHNSTOWN CASTLE ESTATE

Town

WEXFORD

Post code

-

Country

Ireland

Website

www.epa.ie

Phone

003535391606000

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Franc	McGovern	f.mcgovern@epa.ie	0035312680100

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **NWO**

**PIC**

999663862

**Legal name**

NEDERLANDSE ORGANISATIE VOOR WETENSCHAPPELIJK ONDERZOEK

*Short name: NWO*

*Address of the organisation*

Street Laan van Nieuw Oost Indie 300

Town DEN HAAG

Postcode 2593 CE

Country Netherlands

Webpage www.nwo.nl

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2011 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code - Not applicable

Proposal ID **690462**

Acronym **ERA4CS**

Short name **NWO**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Social Sciences

☒ Same as organisation address

Street

Laan van Nieuw Oost Indie 300

Town

DEN HAAG

Postcode

2593 CE

Country

Netherlands

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**NWO**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name

**Renée**

Last name

**van Kessel**

E-Mail

**r.vankessel@nwo.nl**

Position in org.

Director

Department

Social Sciences

☒

Same as organisation address

Street

Laan van Nieuw Oost Indie 300

Town

DEN HAAG

Post code

2593 CE

Country

Netherlands

Website

http://www.nwo.nl/

Phone

+xxx xxxxxxxxx

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Wieske	Bressers	w.bressers@nwo.nl	+31703440979



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **RCN**

**PIC**

932199101

**Legal name**

Research Council of Norway

*Short name: RCN*

*Address of the organisation*

Street Drammensveien 288

Town Oslo

Postcode 1327

Country Norway

Webpage www.rcn.no

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body ..... unknown

Legal person ..... yes

Non-profit ..... unknown

Industry (private for profit)..... unknown

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation ..... unknown

**Enterprise Data**

SME self-declared status ..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**RCN**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Department for Climate and Polar Research

☒ Same as organisation address

Street

Drammensveien 288

Town

Oslo

Postcode

1327

Country

Norway

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **RCN**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex



Male



Female

First name **Eivind**

Last name **Hoff-Elimari**

E-Mail **eho@forskningsradet.no**

Position in org.

Spesial Adviser

Department

Department of Climate and Polar Research

☒ Same as organisation address

Street

Drammensveien 288

Town

Oslo

Post code

1327

Country

Norway

Website

http://forskningsradet.no

Phone

+4795429517

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Torill Engen	Skaugen	tens@forskningsradet.no	+4793081671
Brita	Slettemark	bsl@forskningsradet.no	+4797981428





Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FCT**

**PIC**

999543970

**Legal name**

FUNDACAO PARA A CIENCIA E A TECNOLOGIA

*Short name: FCT*

*Address of the organisation*

Street AVENIDA D CARLOS I 126

Town LISBOA

Postcode 1249-074

Country Portugal

Webpage www.fct.pt

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code 74 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FCT**

### Department(s) carrying out the proposed work

#### Department 1

Department name

International Relations Department

☒ Same as organisation address

Street

AVENIDA D CARLOS I 126

Town

LISBOA

Postcode

1249-074

Country

Portugal

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FCT**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name **Dina**

Last name **Carrilho**

E-Mail **dina.carrilho@fct.pt**

Position in org.

Scientific Officer

Department

International Relations Department

☒ Same as organisation address

Street

AVENIDA D CARLOS I 126

Town

LISBOA

Post code

1249-074

Country

Portugal

Website

http://www.fct.pt/

Phone

+351213924381

Phone 2

+xxx xxxxxxxxx

Fax

+351213957284

### Other contact persons

First Name	Last Name	E-mail	Phone
Ana	Castro	ana.castro@fct.pt	+351213911529
Luís	Mota	luis.mota@fct.pt	+351213911529



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UEFISCDI**

**PIC**

936912040

**Legal name**

UEFISCDI

*Short name: UEFISCDI*

*Address of the organisation*

Street Str. Mendeleev

Town Bucuresti

Postcode 0216878

Country Romania

Webpage www.mycompany.ro

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body ..... unknown

Legal person ..... yes

Non-profit ..... unknown

Industry (private for profit)..... unknown

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation ..... unknown

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 7210 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**UEFISCDI**

### Department(s) carrying out the proposed work

#### Department 1

Department name

International Cooperation Department

☒ Same as organisation address

Street

Str. Mendeleev

Town

Bucuresti

Postcode

0216878

Country

Romania

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UEFISCDI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mrs

Sex

☐

Male

☒

Female

First name **Nicoleta**

Last name **Dumitrache**

E-Mail **nicoleta.dumitrache@uefiscdi.ro**

Position in org.

Head

Department

Department of management and administration of thematic research

☒ Same as organisation address

Street

Str. Mendeleev

Town

Bucuresti

Post code

0216878

Country

Romania

Website

www.uefiscdi.gov.ro

Phone

0040213023886

Phone 2

+xxx xxxxxxxxx

Fax

0040213115992



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FORMAS**

**PIC**

999481211

**Legal name**

FORSKNINGSRÅDET FÖR MILJÖ, AREELLA NÄRINGAR OCH SAMHÄLLSBYGGANDE

Short name: FORMAS

Address of the organisation

Street

Town STOCKHOLM

Postcode 11182

Country Sweden

Webpage www.formas.se

Legal Status of your organisation

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status.....2013 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code - Not applicable

Proposal ID **690462**

Acronym **ERA4CS**

Short name **FORMAS**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Unit for Environmental Sciences and Spatial Planning

☐ Same as organisation address

Street

Kungsbron 21

Town

Stockholm

Postcode

11182

Country

Sweden

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--





Proposal ID **690462**

Acronym **ERA4CS**

Short name **FORMAS**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Linda**

Last name **Bergqvist Ampel**

E-Mail **linda.ampel@formas.se**

Position in org.

Senior Research Officer

Department

Unit for Environmental Sciences and Spatial Planning

☐ Same as organisation address

Street

Kungsbron 21

Town

Stockholm

Post code

11182

Country

Sweden

Website

www.formas.se

Phone

004687754062

Phone 2

0046736001322

Fax

004687754010



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UNI GRAZ**

**PIC**

999873188

**Legal name**

UNIVERSITAET GRAZ

*Short name: UNI GRAZ*

*Address of the organisation*

Street UNIVERSITATSPLATZ 3

Town GRAZ

Postcode 8010

Country Austria

Webpage <http://www.uni-graz.at>

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....yes

Research organisation .....yes

**Enterprise Data**

SME self-declared status .....2014 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 853 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**UNI GRAZ**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Wegener Center for Climate and Global Change

☐ Same as organisation address

Street

Brandhofgasse 5

Town

Graz

Postcode

8010

Country

Austria

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UNI GRAZ**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Heimo**

Last name **Truhetz**

E-Mail **heimo.truhetz@uni-graz.at**

Position in org.

Head Research Group ReLoClim

Department

Wegener Center for Climate and Global Change



Same as organisation address

Street

Brandhofgasse 5

Town

Graz

Post code

8010

Country

Austria

Website

http://www.wegcenter.at

Phone

++433163808442

Phone 2

+xxx xxxxxxxxx

Fax

++433163809830

### Other contact persons

First Name	Last Name	E-mail	Phone
Karin	Eisner	karin.eisner@uni-graz.at	++433163808439



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **RMI**

PIC	Legal name
996699154	INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE

*Short name: RMI*

*Address of the organisation*

Street AVENUE CIRCULAIRE 3

Town BRUXELLES

Postcode 1180

Country Belgium

Webpage www.meteo.be

*Legal Status of your organisation*

#### Research and Innovation legal statuses

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation .....yes

#### Enterprise Data

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code L - Public administration & defence

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **RMI**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Meteorological and Climatological Research

☒ Same as organisation address

Street

AVENUE CIRCULAIRE 3

Town

BRUXELLES

Postcode

1180

Country

Belgium

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **RMI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Rafiq**

Last name **Hamdi**

E-Mail **rafiq.hamdi@meteo.be**

Position in org.

Scientist SW2

Department

*Please indicate the department of the Contact Point above in the organisation*



Same as organisation address

Street

AVENUE CIRCULAIRE 3

Town

BRUXELLES

Post code

1180

Country

Belgium

Website

www.meteo.be

Phone

+3223736745

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Piet	Termonia	piet.termonia@meteo.be	+3223730638



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **AWI**

**PIC**

999497507

**Legal name**

ALFRED-WEGENER-INSTITUT HELMHOLTZ- ZENTRUM FUER POLAR- UND MEERESFORSCHUNG

*Short name: AWI*

*Address of the organisation*

Street AM HANDELSHAFEN 12

Town BREMERHAVEN

Postcode 27570

Country Germany

Webpage www.awi.de

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status .....2013 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code 721 -



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **AWI**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Climate Sciences

☐ Same as organisation address

Street

Bussestrasse 24

Town

Bremerhaven

Postcode

27570

Country

Germany

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **AWI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name **Renate**

Last name **Treffeisen**

E-Mail **renate.treffeisen@awi.de**

Position in org.

head of climate office

Department

climate science

☐

Same as organisation address

Street

Bussestrasse 24

Town

Bremerhaven

Post code

27570

Country

Germany

Website

www.awi.de

Phone

+4947148312145

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Maria	Eden	maria.eden@awi.de	+4947148312412



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **HZG**

**PIC**

999507401

**Legal name**

HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG G

*Short name: HZG*

*Address of the organisation*

Street Max-Planck-Strasse 1

Town GEESTHACHT

Postcode 21502

Country Germany

Webpage www.hzg.de

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....no

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status .....2007 - no

SME self-assessment ..... unknown

SME validation sme..... 2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **HZG**

### Department(s) carrying out the proposed work

#### Department 1

Department name	<input type="text" value="Climate Service Center 2.0"/>
	<input type="checkbox"/> Same as organisation address
Street	<input type="text" value="Fischertwiete 1"/>
Town	<input type="text" value="Hamburg"/>
Postcode	<input type="text" value="20095"/>
Country	<input type="text" value="Germany"/>

#### Department 2

Department name	<input type="text" value="Institute of Coastal Research"/>
	<input checked="" type="checkbox"/> Same as organisation address
Street	<input type="text" value="Max-Planck-Strasse 1"/>
Town	<input type="text" value="GEESTHACHT"/>
Postcode	<input type="text" value="21502"/>
Country	<input type="text" value="Germany"/>

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **HZG**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Joerg**

Last name **Cortekar**

E-Mail **joerg.cortekar@hzg.de**

Position in org.

Scientist

Department

Climate Service Center 2.0



Same as organisation address

Street

Fischertwiete 1

Town

Hamburg

Post code

20094

Country

Germany

Website

www.climate-service-center.de

Phone

+4940226338445

Phone 2

+xxx xxxxxxxxx

Fax

+4940226338163

### Other contact persons

First Name	Last Name	E-mail	Phone
Daniela	Jacob	daniela.jacob@hzg.de	+4940226338406
Hans-Jörg	Isemer	hans-joerg.iseimer@hzg.de	+494152871661
Insa	Meinke	insa.meinke@hzg.de	+494152871868



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **DMI**

**PIC**

999509438

**Legal name**

DANMARKS METEOROLOGISKE INSTITUT

*Short name: DMI*

*Address of the organisation*

Street Lyngbyvej 100

Town KOBENHAVN

Postcode 2100

Country Denmark

Webpage www.dmi.dk

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation .....yes

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **DMI**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Research and Development

☒ Same as organisation address

Street

Lyngbyvej 100

Town

KOBENHAVN

Postcode

2100

Country

Denmark

#### Department 2

Department name

Collaboration and Innovation

☒ Same as organisation address

Street

Lyngbyvej 100

Town

KOBENHAVN

Postcode

2100

Country

Denmark

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **DMI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex

☐

Male

☒

Female

First name **Marianne**

Last name **Sloth Madsen**

E-Mail **msm@dm.dk**

Position in org.

Researcher

Department

Research and Development

☒ Same as organisation address

Street

Lyngbyvej 100

Town

KOBENHAVN

Post code

2100

Country

Denmark

Website

research.dmi.dk

Phone

+4539157388

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Katrine	Krogh Andersen	kka@dm.dk	+4539157460
Jens	Hesselbjerg Christensen	jhc@dm.dk	+4539154728



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **AEMET**

**PIC**

996472271

**Legal name**

AGENCIA ESTATAL DE METEOROLOGIA

*Short name: AEMET*

*Address of the organisation*

Street CALLE LEONARDO PRIETO CASTRO 8

Town Madrid

Postcode 28040

Country Spain

Webpage www.aemet.es

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

L - Public administration & defence

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**AEMET**

### Department(s) carrying out the proposed work

#### Department 1

Department name

INTERNATIONAL RELATIONS DEPARTMENT OF AEMET

☒ Same as organisation address

Street

CALLE LEONARDO PRIETO CASTRO 8

Town

Madrid

Postcode

28040

Country

Spain

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**AEMET**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex



Male



Female

First name **Julio**

Last name

**González Breña**

E-Mail

**jgonzalezb@aemet.es**

Position in org.

HEAD OF INTERNATIONAL RELATIONS DEPARTMENT

Department

DEPARTMENT OF INTERNATIONAL RELATIONS DEPARTMENT



Same as organisation address

Street

CALLE LEONARDO PRIETO CASTRO 8

Town

Madrid

Post code

28040

Country

Spain

Website

www.aemet.es

Phone

+34915819785

Phone 2

+34630523664

Fax

+34915819896

### Other contact persons

First Name	Last Name	E-mail	Phone
Fernando	Belda	fbeldae@aemet.es	+34915819886
María Yolanda	Luna Rico	mlunar@aemet.es	+34915819856
Gemma	Sanchez	gsanchezf@aemet.es	+34915819642



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BSC**

**PIC**

999655520

**Legal name**

BARCELONA SUPERCOMPUTING CENTER - CENTRO NACIONAL DE SUPERCOMPUTACION

*Short name: BSC*

*Address of the organisation*

Street Calle Jordi Girona 31

Town BARCELONA

Postcode 08034

Country Spain

Webpage www.bsc.es

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2011 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 72 - Computer & related activities

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**BSC**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Earth Sciences Department

☐ Same as organisation address

Street

C. Jordi Girona 29

Town

Barcelona

Postcode

08034

Country

Spain

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BSC**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Francisco**

Last name **Doblas-Reyes**

E-Mail **francisco.doblas-reyes@bsc.es**

Position in org.

Department Director

Department

Earth Sciences Department

☐ Same as organisation address

Street

C. Jordi Girona 29

Town

Barcelona

Post code

08034

Country

Spain

Website

http://www.bsc.es/earth-sciences

Phone

+34934137719

Phone 2

+34934134082

Fax

+34934137722

### Other contact persons

First Name	Last Name	E-mail	Phone
Oriol	Pineda	oriol.pineda@bsc.es	+34934137525
Mar	Rodriguez	mar.rodriguez@ic3.cat	+34935679977
Marina	Azor	marina.azor@bsc.es	+34934134082

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CSIC**

**PIC**

999991722

**Legal name**

AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

*Short name: CSIC*

*Address of the organisation*

Street CALLE SERRANO 117

Town MADRID

Postcode 28006

Country Spain

Webpage <http://www.csic.es>

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2007 - no

SME self-assessment ..... unknown

SME validation sme.....2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CSIC**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Vice-presidence for Scientific and Technical Research (VICYT)

☐ Same as organisation address

Street

Calle Serrano, 117

Town

Madrid

Postcode

28006

Country

Spain

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CSIC**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Xavier**

Last name **Querol**

E-Mail **xavier.querol@idaea.csic.es**

Position in org.

Scientific coordinator for Natural Resources & Environmental Res.

Department

Vice-presidence for Scientific and Technical Research (VICYT)



Same as organisation address

Street

CALLE SERRANO 117

Town

MADRID

Post code

28006

Country

Spain

Website

www.csic.es

Phone

+34915681567

Phone 2

+34696583432

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Manuel	Lozano	manuel.lozano@csic.es	+34915681565
Cynthia	Monescillo	programas.europeos@csic.es	+34915681528



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UC-IHC**

**PIC**

999880075

**Legal name**

UNIVERSIDAD DE CANTABRIA

*Short name: UC-IHC*

*Address of the organisation*

Street AVENIDA DE LOS CASTROS S/N

Town SANTANDER

Postcode 39005

Country Spain

Webpage www.unican.es

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....yes

Research organisation .....yes

**Enterprise Data**

SME self-declared status .....2007 - no

SME self-assessment ..... unknown

SME validation sme..... 2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

853 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**UC-IHC**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Environmental Hydraulics Institute (IH Cantabria)

☐ Same as organisation address

Street

PCTCAN, Calle Isabel Torres nº15

Town

Santander

Postcode

39011

Country

Spain

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UC-IHC**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Iñigo**

Last name **Losada**

E-Mail **losadai@unican.es**

Position in org.

Head of Research

Department

Climate, Energy and Infrastructure Research Area

☐ Same as organisation address

Street

PCTCAN, Calle Isabel Torres 15

Town

Santander

Post code

39011

Country

Spain

Website

www.ihcantabria.com

Phone

+34942201616

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Patricia	Bueno Soria	buenop@unican.es	+34942201616



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **URV-C3**

**PIC**

999880560

**Legal name**

UNIVERSITAT ROVIRA I VIRGILI

*Short name: URV-C3*

*Address of the organisation*

Street CARRER DE ESCORXADOR

Town TARRAGONA

Postcode 43003

Country Spain

Webpage <http://www.urv.cat>

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....yes

Research organisation .....yes

Legal person ..... yes

Industry (private for profit)..... no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**URV-C3**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Centre for Climate Change

☐ Same as organisation address

Street

Avinguda de Remolins 13-15

Town

Tortosa

Postcode

43500

Country

Spain

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **URV-C3**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Manola**

Last name **Brunet**

E-Mail **manola.brunet@urv.cat**

Position in org.

Director

Department

Centre for Climate Change



Same as organisation address

Street

Avinguda Catalunya 35

Town

Tarragona

Post code

43071

Country

Spain

Website

www.c3.urv.cat

Phone

+34 977559583

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Ignasi	Salvadó	ignasi.salvado@urv.cat	
Linden	Ashcroft	lindenclaire.ashcroft@urv.cat	+34 977 464047



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FMI**

**PIC**

999591306

**Legal name**

ILMATIETEEN LAITOS

*Short name: FMI*

*Address of the organisation*

Street Erik Palmenin aukio 1

Town HELSINKI

Postcode 00560

Country Finland

Webpage www.fmi.fi

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....unknown

International organisation of European interest .....unknown

Secondary or Higher education establishment .....unknown

Research organisation .....yes

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 721 -



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FMI**

*Department(s) carrying out the proposed work*

**Department 1**

Department name

Climate Service Centre

☒ Same as organisation address

Street

Erik Palmenin aukio 1

Town

HELSINKI

Postcode

00560

Country

Finland

**Department 2**

Department name

Atmospheric Composition Research

☒ Same as organisation address

Street

Erik Palmenin aukio 1

Town

HELSINKI

Postcode

00560

Country

Finland

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FMI**

### Department 3

Department name

Arctic Research

☒ Same as organisation address

Street

Erik Palmenin aukio 1

Town

HELSINKI

Postcode

00560

Country

Finland

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **FMI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Hilppa**

Last name **Gregow**

E-Mail **hilppa.gregow@fmi.fi**

Position in org.

Head of Unit

Department

Climate Service Centre

☒ Same as organisation address

Street

Erik Palmenin aukio 1

Town

HELSINKI

Post code

00560

Country

Finland

Website

http://en.ilmatieteenlaitos.fi

Phone

+358295391000

Phone 2

+xxx xxxxxxxxx

Fax

+358 29 539 2303

### Other contact persons

First Name	Last Name	E-mail	Phone
Sanna	Sorvari	sanna.sorvari@fmi.fi	
Mikko	Strahlendorff	mikko.strahlendorff@fmi.fi	
Heikki	Tuomenvirta	heikki.tuomenvirta@fmi.fi	
Suvi-Elina	Kalliola	suvi-elina.kalliola@fmi.fi	



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **SYKE**

**PIC**

999478010

**Legal name**

SUOMEN YMPARISTOKESKUS

*Short name: SYKE*

*Address of the organisation*

Street Mechelininkatu 34a

Town HELSINKI

Postcode 00251

Country Finland

Webpage www.environment.fi/syke

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....unknown

International organisation of European interest .....unknown

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**SYKE**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Climate Change Programme

☒ Same as organisation address

Street

Mechelininkatu 34a

Town

HELSINKI

Postcode

00251

Country

Finland

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **SYKE**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Mikael**

Last name **Hilden**

E-Mail **mikael.hilden@ymparisto.fi**

Position in org.

Director of Climate Change Programme

Department

Climate Change Programme

☒ Same as organisation address

Street

Mechelininkatu 34a

Town

HELSINKI

Post code

00251

Country

Finland

Website

Phone

+358-40-7401675

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Maria	Koski	maria.h.koski@ymparisto.fi	+358 295 251 310



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **BRGM**

PIC	Legal name
999993662	BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES

Short name: *BRGM*

Address of the organisation

Street Quai Andre Citroen - Tour Mirabeau 39-43

Town PARIS

Postcode 75739

Country France

Webpage www.brgm.fr

Legal Status of your organisation

#### Research and Innovation legal statuses

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... no

Research organisation ..... no

#### Enterprise Data

SME self-declared status .....2011 - no

SME self-assessment ..... unknown

SME validation sme.....2011 - no

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**BRGM**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Corporate strategy directorate

☐ Same as organisation address

Street

3 avenue Guillemin

Town

Orleans

Postcode

45000

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**BRGM**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **François**

Last name **Clin**

E-Mail **f.clin@brgm.fr**

Position in org.

Responsible for the scientific evaluation

Department

Corporate strategy directorate



Same as organisation address

Street

3 avenue Claude Guillemin

Town

Orléans

Post code

45000

Country

France

Website

www.brgm.fr

Phone

+33238643273

Phone 2

-

Fax

-

### Other contact persons

First Name	Last Name	E-mail	Phone
Amélie	Vagner	a.vagner@brgm.fr	

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CEA**

**PIC**

999992401

**Legal name**

COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

*Short name: CEA*

*Address of the organisation*

Street RUE LEBLANC 25

Town PARIS 15

Postcode 75015

Country France

Webpage www.cea.fr

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2007 - no

SME self-assessment ..... unknown

SME validation sme.....2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CEA**

### Department(s) carrying out the proposed work

#### Department 1

Department name

LSCE/IPSL, Laboratoire des Sciences du CLimat et de l'Environneme

☐ Same as organisation address

Street

Orme des Merisiers Bâtiment 701 PT 129

Town

Gif-sur-Yvette

Postcode

91191 cede

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CEA**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **François-Marie**

Last name **Breon**

E-Mail **fmbreon@cea.fr**

Position in org.

Senior Researcher

Department

LSCE

☐ Same as organisation address

Street

Orme des Merisiers, Bât 701, PT courrier 129

Town

Gif-sur-Yvette

Post code

91191 cede

Country

France

Website

www.cea.fr

Phone

+33169089455

Phone 2

+33169087711

Fax

+33169087716

### Other contact persons

First Name	Last Name	E-mail	Phone
Cecilia	Garrec	cecilia.garrec@lsce.ipsl.fr	+33169087121
Isabelle	Rault	isabelle.rault@cea.fr	
Sabrina	Formuso	sabrina.formuso@lsce.ipsl.fr	
Corinne	Borel	corinne.borel@cea.fr	



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CNRS**

PIC	Legal name
999997930	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

Short name: **CNRS**

Address of the organisation

Street Rue Michel -Ange 3

Town PARIS

Postcode 75794

Country France

Webpage www.cnrs.fr

Legal Status of your organisation

#### Research and Innovation legal statuses

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

#### Enterprise Data

SME self-declared status.....2013 - no

SME self-assessment ..... unknown

SME validation sme.....2013 - no

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code 721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CNRS**

### Department(s) carrying out the proposed work

#### Department 1

Department name

CNRS-INSU

☒ Same as organisation address

Street

Rue Michel -Ange 3

Town

PARIS

Postcode

75794

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CNRS**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Philippe**

Last name **Bertrand**

E-Mail **philippe.bertrand@cnrs-dir.fr**

Position in org.

Scientific Director of CNRS-INSU

Department

Ocean and atmosphere scientific Department

☒ Same as organisation address

Street

Rue Michel -Ange 3

Town

PARIS

Post code

75794

Country

France

Website

http://www.insu.cnrs.fr/

Phone

+33144964380

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Elisabteh	Kohler	elisabeth.kohler@cnrs-dir.fr	+33144964404
Antoine	Weexsteen	antoine.weexsteen@cnrs-dir.fr	+33144964325
Sylvie	Joussaume	sylvie.joussaume@lsce.ipsl.fr	
François	Vial	vial@lmd.polytechnique.fr	
Marie-Alice	Foujols	marie-alice.foujols@ipsl.jussieu.fr	



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **IGN**

**PIC**

999646111

**Legal name**

INSTITUT NATIONAL DE L'INFORMATION GEOGRAPHIQUE ET FORESTIERE

*Short name: IGN*

*Address of the organisation*

Street AVENUE DE PARIS 73

Town SAINT MANDE

Postcode 94160

Country France

Webpage

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status .....2012 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code L - Public administration & defence



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **IGN**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Research and Education Department

☒ Same as organisation address

Street

AVENUE DE PARIS 73

Town

SAINT MANDE

Postcode

94160

Country

France

#### Department 2

Department name

Civilian Programs Managing Department

☒ Same as organisation address

Street

AVENUE DE PARIS 73

Town

SAINT MANDE

Postcode

94160

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **IGN**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Nicolas**

Last name **Paparoditis**

E-Mail **nicolas.paparoditis@ign.fr**

Position in org.

Chief scientific officer

Department

Research and education department

☒ Same as organisation address

Street

AVENUE DE PARIS 73

Town

SAINT MANDE

Post code

94160

Country

France

Website

www.ign.fr

Phone

+33143988392

Phone 2

+33688475169

Fax

+33143988581

### Other contact persons

First Name	Last Name	E-mail	Phone
Florian	Thomas	florian.thomas@ign.fr	+33143986239



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **INRA**

<b>PIC</b>	<b>Legal name</b>
999993274	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE

*Short name: INRA*

*Address of the organisation*

Street Rue De L'Universite 147

Town PARIS CEDEX 07

Postcode 75338

Country France

Webpage www.inra.fr

*Legal Status of your organisation*

#### Research and Innovation legal statuses

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

#### Enterprise Data

SME self-declared status.....2007 - no

SME self-assessment ..... unknown

SME validation sme.....2007 - no

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code 721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**INRA**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Adaptation of Agriculture and Forest to Climate Change (AAFCC)

☐ Same as organisation address

Street

ACCAF - Route d'Amance

Town

Champenoux

Postcode

54280

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **INRA**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex



Male



Female

First name **Thierry**

Last name **Caquet**

E-Mail **thierry.caquet@rennes.inra.fr**

Position in org.

Director

Department

Adaptation of Agriculture and Forest to Climate Change (AAFCC)



Same as organisation address

Street

ACCAF - Route d'Amance

Town

Champenoux

Post code

54280

Country

France

Website

http://www.accaf.inra.fr/en

Phone

+33383394103

Phone 2

+33383394000

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Caroline	Lesser	caroline.lessier@paris.inra.fr	
Anne	Jambois	jambois@nancy.inra.fr	+33383394103

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **METEO-FRANCE**

**PIC**

999578890

**Legal name**

METEO-FRANCE

Short name: *METEO-FRANCE*

*Address of the organisation*

Street AVENUE DE PARIS 73

Town SAINT MANDE CEDEX

Postcode 94165

Country France

Webpage www.meteo.fr

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2012 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**METEO-FRANCE**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Direction de la recherche

☐ Same as organisation address

Street

42 Avenue Coriolis

Town

Toulouse

Postcode

31057

Country

France

#### Department 2

Department name

Direction des services climatiques

☐ Same as organisation address

Street

42 Avenue Coriolis

Town

Toulouse

Postcode

31057

Country

France

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**METEO-FRANCE**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Philippe**

Last name

**Bougeault**

E-Mail

**philippe.bougeault@meteo.fr**

Position in org.

Director of Research Department

Department

Research Department



Same as organisation address

Street

42 Avenue G Coriolis

Town

Toulouse

Post code

31057

Country

France

Website

http://www.cnrm-game.fr

Phone

0561079371

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **NCSRD**

**PIC**

999978239

**Legal name**

NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"

*Short name: NCSRD*

*Address of the organisation*

Street Patriarchou Gregoriou Str.

Town AGHIA PARASKEVI

Postcode 15310

Country Greece

Webpage www.demokritos.gr

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2012 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**NCSRD**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Environmental Research Laboratory, INRASTES

☒ Same as organisation address

Street

Patriarchou Gregoriou Str.

Town

AGHIA PARASKEVI

Postcode

15310

Country

Greece

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym **ERA4CS**

Short name **NCSRD**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Athanasios**

Last name **Sfetsos**

E-Mail **ts@ipta.demokritos.gr**

Position in org.

Research Scientist

Department

Environmental Research Laboratory, INRASTES

☒ Same as organisation address

Street

Patriarchou Gregoriou Str.

Town

AGHIA PARASKEVI

Post code

15310

Country

Greece

Website

www.demokritos.gr

Phone

+302106503403

Phone 2

+xxx xxxxxxxxx

Fax

+302106525004



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **Met Eireann**

**PIC**

928585269

**Legal name**

Department of the Environment, Community and Local Government

*Short name: Met Eireann*

*Address of the organisation*

Street Custom House

Town Dublin

Postcode D1

Country Ireland

Webpage www.environ.ie

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body ..... unknown

Legal person ..... no

Non-profit ..... unknown

Industry (private for profit)..... unknown

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation ..... unknown

**Enterprise Data**

SME self-declared status ..... 2014 - no

SME self-assessment ..... unknown

SME validation sme ..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code

Proposal ID **690462**

Acronym **ERA4CS**

Short name **Met Eireann**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Met Eireann

☐ Same as organisation address

Street

Glasnevin Hill

Town

Dublin

Postcode

D9

Country

Ireland

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym **ERA4CS**

Short name **Met Eireann**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex



Male



Female

First name **Ray**

Last name **McGrath**

E-Mail **ray.mcgrath@met.ie**

Position in org.

Head, Research

Department

Met Eireann

☐ Same as organisation address

Street

Glasnevin Hill

Town

Dublin

Post code

D9

Country

Ireland

Website

www.met.ie

Phone

+35318065520

Phone 2

+xxx xxxxxxxxx

Fax

35318064247

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CMCC**

**PIC**

999419422

**Legal name**

**CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI SCARL**

*Short name: CMCC*

*Address of the organisation*

Street VIA A IMPERATORE 16

Town LECCE

Postcode 73100

Country Italy

Webpage www.cmcc.it

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....no  
 Non-profit .....yes  
 International organisation .....no  
 International organisation of European interest .....no  
 Secondary or Higher education establishment .....no  
 Research organisation .....yes

Legal person ..... yes  
 Industry (private for profit)..... no

**Enterprise Data**

SME self-declared status.....2013 - no  
 SME self-assesment ..... unknown  
 SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code 721 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**CMCC**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Centro Euro-Mediterraneo sui Cambiamenti Climatici S.c.a r.l.

☒ Same as organisation address

Street

VIA A IMPERATORE 16

Town

LECCE

Postcode

73100

Country

Italy

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CMCC**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Antonio**

Last name **Navarra**

E-Mail **antonio.navarra@cmcc.it**

Position in org.

President

Department

Centro Euro-Mediterraneo sui Cambiamenti Climatici S.c.a r.l.

☒ Same as organisation address

Street

VIA A IMPERATORE 16

Town

LECCE

Post code

73100

Country

Italy

Website

www.cmcc.it

Phone

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Giulia	Galluccio	giulia.galluccio@cmcc.it	+390243986856



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CNR-DTA**

**PIC**

999979500

**Legal name**

CONSIGLIO NAZIONALE DELLE RICERCHE

*Short name: CNR-DTA*

*Address of the organisation*

Street PIAZZALE ALDO MORO 7

Town ROMA

Postcode 00185

Country Italy

Webpage www.cnr.it

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2014 - no

SME self-assessment ..... unknown

SME validation sme.....2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

721 -

Proposal ID **690462**

Acronym **ERA4CS**

Short name **CNR-DTA**

### Department(s) carrying out the proposed work

#### Department 1

Department name IGG - Institute of Geosciences and Earth Resources

☐ Same as organisation address

Street Via Moruzzi 1

Town Pisa

Postcode 56124

Country Italy

### Dependencies with other proposal participants

Character of dependence	Participant	

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **CNR-DTA**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Antonello**

Last name **Provenzale**

E-Mail **a.provenzale@isac.cnr.it**

Position in org.

Director

Department

IGG - Institute of Geosciences and Earth Resources



Same as organisation address

Street

Via Moruzzi 1

Town

Pisa

Post code

56124

Country

Italy

Website

www.igg.cnr.it

Phone

+393400799066

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Valentina	Razeto	v.razeto@isac.cnr.it	
Elisa	Palazzi	e.palazzi@isac.cnr.it	+390113839834



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **KNMI**

**PIC**

999518944

**Legal name**

KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT-KNMI

*Short name: KNMI*

*Address of the organisation*

Street UTRECHTSEWEG 297

Town DE BILT

Postcode 3731 GA

Country Netherlands

Webpage www.knmi.nl

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2007 - no

SME self-assessment ..... unknown

SME validation sme.....2007 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code

L - Public administration & defence

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**KNMI**

### Department(s) carrying out the proposed work

#### Department 1

Department name

R&D Weather and Climate Modelling

☒ Same as organisation address

Street

UTRECHTSEWEG 297

Town

DE BILT

Postcode

3731 GA

Country

Netherlands

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **KNMI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex

☒ Male ☐ Female

First name **Bart**

Last name **van den Hurk**

E-Mail **bart.van.den.hurk@knmi.nl**

Position in org.

Manager

Department

R&D Weather and Climate Modelling

☒ Same as organisation address

Street

UTRECHTSEWEG 297

Town

DE BILT

Post code

3731 GA

Country

Netherlands

Website

www.knmi.nl

Phone

+31617298239

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Janette	Bessembinder	janette.bessembinder@knmi.nl	
Annemarie	Koot	annemarie.koot@knmi.nl	



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **MET Norway**

**PIC**

999510893

**Legal name**

METEOROLOGISK INSTITUTT

*Short name: MET Norway*

*Address of the organisation*

Street HENRIK MOHNS PLASS 1

Town OSLO

Postcode 0313

Country Norway

Webpage www.met.no

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2012 - no

SME self-assessment ..... unknown

SME validation sme.....2012 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code - Not applicable



Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**MET Norway**

### Department(s) carrying out the proposed work

#### Department 1

Department name

METKLIM

☒ Same as organisation address

Street

HENRIK MOHNS PLASS 1

Town

OSLO

Postcode

0313

Country

Norway

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **MET Norway**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Inger**

Last name **Hanssen-Bauer**

E-Mail **i.hanssen-bauer@met.no**

Position in org.

Head of the Norwegian Centre for Climate Services

Department

METKLIM

☒ Same as organisation address

Street

HENRIK MOHNS PLASS 1

Town

OSLO

Post code

0313

Country

Norway

Website

met.no

Phone

+47 22963382

Phone 2

+47 22963000

Fax

+47 22963050

### Other contact persons

First Name	Last Name	E-mail	Phone
Hans Olav	Hygen	hansoh@met.no	+47 22963208



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **Meteo-Ro**

PIC	Legal name
999628457	ADMINISTRATIA NATIONALA DE METEOROLOGIE R.A.

*Short name: Meteo-Ro*

*Address of the organisation*

Street SOS. BUCURESTI-PLOIESTI 97

Town BUCURESTI SECTORUL 1

Postcode 013686

Country Romania

Webpage

*Legal Status of your organisation*

#### Research and Innovation legal statuses

Public body ..... yes

Legal person ..... yes

Non-profit ..... yes

Industry (private for profit)..... no

International organisation ..... unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation ..... unknown

#### Enterprise Data

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code 7210 -

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **Meteo-Ro**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Agrometeorology

☒ Same as organisation address

Street

SOS. BUCURESTI-PLOIESTI 97

Town

BUCURESTI SECTORUL 1

Postcode

013686

Country

Romania

#### Department 2

Department name

Climatology

☒ Same as organisation address

Street

SOS. BUCURESTI-PLOIESTI 97

Town

BUCURESTI SECTORUL 1

Postcode

013686

Country

Romania

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **Meteo-Ro**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Roxana**

Last name **Bojariu**

E-Mail **bojariu@meteoromania.ro**

Position in org.

Department

Department

Climatology

☒ Same as organisation address

Street

SOS. BUCURESTI-PLOIESTI 97

Town

BUCURESTI SECTORUL 1

Post code

013686

Country

Romania

Website

www.meteoromania.ro

Phone

0040213162140

Phone 2

+xxx xxxxxxxxx

Fax

0040213163143

### Other contact persons

First Name	Last Name	E-mail	Phone
Elena	Mateescu	elena.mateescu@meteoromania.ro	0040213162139

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **SMHI**

**PIC**

999507983

**Legal name**

SVERIGES METEOROLOGISKA OCH HYDROLOGISKA INSTITUT

*Short name: SMHI*

*Address of the organisation*

Street Folkborgsvaegen 1

Town NORRKOEPING

Postcode 601 76

Country Sweden

Webpage www.smhi.se

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code L - Public administration & defence



Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**SMHI**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Research Department, Rossby Centre

☒ Same as organisation address

Street

Folkborgsvaegen 1

Town

NORRKOEPING

Postcode

601 76

Country

Sweden

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **SMHI**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Prof.

Sex



Male



Female

First name **Erik**

Last name **Kjellstrom**

E-Mail **erik.kjellstrom@smhi.se**

Position in org.

Head of Rossby Centre

Department

Research Department, Rossby Centre

☒ Same as organisation address

Street

Folkborgsvaegen 1

Town

NORRKOEPING

Post code

601 76

Country

Sweden

Website

www.smhi.se

Phone

+46114958501

Phone 2

+46114958000

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Monica	Wallgren	monica.wallgren@smhi.se	+464958104





Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UREAD**

**PIC**

999984156

**Legal name**

THE UNIVERSITY OF READING

*Short name: UREAD*

*Address of the organisation*

Street WHITEKNIGHTS CAMPUS WHITEKNIGHTS H

Town READING

Postcode RG6 6AH

Country United Kingdom

Webpage <http://www.rdg.ac.uk>

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....yes

Research organisation .....yes

**Enterprise Data**

SME self-declared status.....2011 - no

SME self-assessment ..... unknown

SME validation sme.....2011 - no

**Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.**

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**UREAD**

### Department(s) carrying out the proposed work

#### Department 1

Department name

Department of Meteorology

☐ Same as organisation address

Street

Earley Gate, PO Box 243

Town

Reading

Postcode

RG6 6BB

Country

United Kingdom

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--

Proposal ID **690462**

Acronym

**ERA4CS**

Short name **UREAD**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Dr.

Sex



Male



Female

First name **Len**

Last name **Shaffrey**

E-Mail **I.c.shaffrey@reading.ac.uk**

Position in org.

Senior Research Scientist

Department

Department of Meteorology

☐ Same as organisation address

Street

Earley Gate, PO Box 243

Town

Reading

Post code

RG6 6BB

Country

United Kingdom

Website

<http://www.met.reading.ac.uk/users/users/239>

Phone

+441183785193

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

### Other contact persons

First Name	Last Name	E-mail	Phone
Rowan	Sutton	r.sutton@reading.ac.uk	
Anna	Macey	a.i.macey@reading.ac.uk	+441183786170



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **MET OFFICE**

**PIC**

999892685

**Legal name**

MET OFFICE

Short name: MET OFFICE

Address of the organisation

Street FitzRoy Road

Town EXETER

Postcode EX1 3PB

Country United Kingdom

Webpage www.metoffice.gov.uk

Legal Status of your organisation

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....no

Industry (private for profit)..... no

International organisation .....unknown

International organisation of European interest ..... unknown

Secondary or Higher education establishment ..... unknown

Research organisation ..... no

**Enterprise Data**

SME self-declared status..... unknown

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code - Not applicable

Proposal ID **690462**

Acronym

**ERA4CS**

Short name

**MET OFFICE**

### Department(s) carrying out the proposed work

#### Department 1

Department name

International

☒ Same as organisation address

Street

FitzRoy Road

Town

EXETER

Postcode

EX1 3PB

Country

United Kingdom

### Dependencies with other proposal participants

Character of dependence	Participant	
-------------------------	-------------	--



Proposal ID **690462**

Acronym **ERA4CS**

Short name **MET OFFICE**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex



Male



Female

First name **Adrian**

Last name **Broad**

E-Mail **adrian.broad@metoffice.gov.uk**

Position in org.

European Union Manager

Department

International

☒ Same as organisation address

Street

FitzRoy Road

Town

EXETER

Post code

EX1 3PB

Country

United Kingdom

Website

www.metoffice.gov.uk

Phone

+441392886427

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

### Other contact persons

First Name	Last Name	E-mail	Phone
Karen	Lovatt	karen.lovatt@metoffice.gov.uk	+441392884676
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Proposal ID **690462**

Acronym

**ERA4CS**

Short name **NERC**

**PIC**

999989200

**Legal name**

NATURAL ENVIRONMENT RESEARCH COUNCIL

*Short name: NERC*

*Address of the organisation*

Street Polaris House, North Star Avenue

Town SWINDON WILTSHIRE

Postcode SN2 1EU

Country United Kingdom

Webpage <http://www.nerc.ac.uk>

*Legal Status of your organisation*

**Research and Innovation legal statuses**

Public body .....yes

Legal person ..... yes

Non-profit .....yes

Industry (private for profit)..... no

International organisation .....no

International organisation of European interest .....no

Secondary or Higher education establishment .....no

Research organisation .....yes

**Enterprise Data**

SME self-declared status .....2009 - no

SME self-assessment ..... unknown

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

Nace code 721 -

Proposal ID **690462**

Acronym **ERA4CS**

Short name **NERC**

*Department(s) carrying out the proposed work*

**Department 1**

Department name

Innovation

☒ Same as organisation address

Street

Polaris House, North Star Avenue

Town

SWINDON WILTSHIRE

Postcode

SN2 1EU

Country

United Kingdom

*Dependencies with other proposal participants*

<i><b>Character of dependence</b></i>	<i><b>Participant</b></i>	
---------------------------------------	---------------------------	--



Proposal ID **690462**

Acronym

**ERA4CS**

Short name **NERC**

### Person in charge of the proposal

The name and e-mail of contact persons are read-only in the administrative form, only additional details can be edited here. To give access rights and basic contact details of contact persons, please go back to Step 4 of the submission wizard and save the changes.

Title

Mr.

Sex



Male



Female

First name **Perry**

Last name **Guess**

E-Mail

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Position in org.

Head of Knowledge Exchange

Department

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Country

United Kingdom

Website

www.nerc.ac.uk

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Fax

+XXX XXXXXXXXX

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Proposal ID **690462**

Acronym **ERA4CS**

### 3 - Budget for the proposal

No	Participant	(A) Costs related to trans-national project		(B) Direct coordination costs of additional activities Unit cost €29000/year		(C) Indirect cost /€ (=0.25 *(A.2 + B)	(D) Total estimated eligible costs/€ (=A.1+A2+B+C)	(E) Reimbursement rate/%	(F) Maximum grant/ € (=D*E)	(H) Requested grant /€
		A.1 Direct costs of providing financial support to third parties /€	A.2 Direct costs for the implementation of trans-national projects by the beneficiaries /€	B.1 No of units (years)	B.2=(B.1 * 29000)					
1	Anr	5 970 149	0	5	145 000	36250,00	6151399,00	33	2029961,67	2017129,00
2	Bmfw	477 612	0	5	145 000	36250,00	658862,00	33	217424,46	216398,00
3	Belspo	746 269	0	5	145 000	36250,00	927519,00	33	306081,27	304477,00
4	Dlr	11 940 299	0	5	145 000	36250,00	12121549,00	33	4000111,17	3974445,00
5	lfd	1 194 030	0	5	145 000	36250,00	1375280,00	33	453842,40	451276,00
6	Mineco	597 015	0	5	145 000	36250,00	778265,00	33	256827,45	255544,00
7	Epa	746 269	0	5	145 000	36250,00	927519,00	33	306081,27	304477,00
8	Nwo	2 029 851	0	5	145 000	36250,00	2211101,00	33	729663,33	725300,00
9	Rcn	2 985 075	0	5	145 000	36250,00	3166325,00	33	1044887,25	1038470,50
10	Fct	477 612	0	5	145 000	36250,00	658862,00	33	217424,46	216398,00

# Proposal Submission Forms

Proposal ID **690462**

Acronym **ERA4CS**

No	Participant	(A) Costs related to trans-national project		(B) Direct coordination costs of additional activities Unit cost €29000/year		(C) Indirect cost /€ (=0.25 *(A.2 + B)	(D) Total estimated eligible costs/€ (=A.1+A2+B+C)	(E) Reimbursement rate/%	(F) Maximum grant/ € (=D*E)	(H) Requested grant /€
		A.1 Direct costs of providing financial support to third parties /€	A.2 Direct costs for the implementation of trans-national projects by the beneficiaries /€	B.1 No of units (years)	B.2=(B.1 * 29000)					
11	Uefiscdi	597 015	0	5	145 000	36250,00	778265,00	33	256827,45	255544,00
12	Formas	2 388 060	0	5	145 000	36250,00	2569310,00	33	847872,30	842739,00
13	Uni Graz	0	178 299	0	0	44574,75	222873,75	33	73548,34	73069,50
14	Rmi	0	571 343	0	0	142835,75	714178,75	33	235678,99	234144,00
15	Awi	0	197 015	0	0	49253,75	246268,75	33	81268,69	80739,50
16	Hzg	0	6 205 970	0	0	1551492,50	7757462,50	33	2559962,63	2543287,50
17	Dmi	0	985 075	0	0	246268,75	1231343,75	33	406343,44	403696,50
18	Aemet	0	985 075	0	0	246268,75	1231343,75	33	406343,44	403696,50
19	Bsc	0	2 955 224	0	0	738806,00	3694030,00	33	1219029,90	1211089,50
20	Csic	0	1 576 119	0	0	394029,75	1970148,75	33	650149,09	645914,00
21	Uc-ihc	0	2 238 806	0	0	559701,50	2798507,50	33	923507,47	917492,00

Proposal ID **690462**

Acronym **ERA4CS**

No	Participant	(A) Costs related to trans-national project		(B) Direct coordination costs of additional activities Unit cost €29000/year		(C) Indirect cost /€ (=0.25 *(A.2 + B)	(D) Total estimated eligible costs/€ (=A.1+A2+B+C)	(E) Reimbursement rate/%	(F) Maximum grant/ € (=D*E)	(H) Requested grant /€
		A.1 Direct costs of providing financial support to third parties /€	A.2 Direct costs for the implementation of trans-national projects by the beneficiaries /€	B.1 No of units (years)	B.2=(B.1 * 29000)					
22	Urv-c3	0	709 254	0	0	177313,50	886567,50	33	292567,28	290661,50
23	Fmi	0	2 955 224	0	0	738806,00	3694030,00	33	1219029,90	1211089,50
24	Syke	0	295 522	0	0	73880,50	369402,50	33	121902,82	121109,00
25	Brgm	0	394 030	0	0	98507,50	492537,50	33	162537,38	161478,50
26	Cea	0	394 030	0	0	98507,50	492537,50	33	162537,38	161478,50
27	Cnrs	0	1 418 507	0	0	354626,75	1773133,75	33	585134,14	581322,50
28	Ign	0	817 612	0	0	204403,00	1022015,00	33	337264,95	335068,00
29	Inra	0	1 714 030	0	0	428507,50	2142537,50	33	707037,38	702432,00
30	Meteo-france	0	985 075	0	0	246268,75	1231343,75	33	406343,44	403696,50
31	Ncsrd	0	537 313	0	0	134328,25	671641,25	33	221641,61	220198,00
32	Met Eireann	0	492 537	0	0	123134,25	615671,25	33	203171,51	201848,00

Proposal ID **690462**

Acronym **ERA4CS**

No	Participant	(A) Costs related to trans-national project		(B) Direct coordination costs of additional activities Unit cost €29000/year		(C) Indirect cost /€ (=0.25 *(A.2 + B))	(D) Total estimated eligible costs/€ (=A.1+A2+B+C)	(E) Reimbursement rate/%	(F) Maximum grant/ € (=D*E)	(H) Requested grant /€
		A.1 Direct costs of providing financial support to third parties /€	A.2 Direct costs for the implementation of trans-national projects by the beneficiaries /€	B.1 No of units (years)	B.2=(B.1 * 29000)					
33	Cmcc	0	1 970 149	0	0	492537,25	2462686,25	33	812686,46	807393,00
34	Cnr-dta	0	1 970 149	0	0	492537,25	2462686,25	33	812686,46	807393,00
35	Knmi	0	746 269	0	0	186567,25	932836,25	33	307835,96	305831,00
36	Met Norway	0	985 075	0	0	246268,75	1231343,75	33	406343,44	403696,50
37	Meteo-ro	0	147 761	0	0	36940,25	184701,25	33	60951,41	60554,50
38	Smhi	0	985 075	0	0	246268,75	1231343,75	33	406343,44	403696,50
39	Uread	0	1 182 090	0	0	295522,50	1477612,50	33	487612,13	484436,00
40	Met Office	0	394 030	0	0	98507,50	492537,50	33	162537,38	161478,50
41	Nerc	0	0	5	145 000	36250,00	181250,00	33	59812,50	59812,50
Total		30 149 256	34 986 658	65	1 885 000	9217914,50	76238828,50	33	25158813,44	25000000,00

Proposal ID **690462**

Acronym **ERA4CS**

## 4 - Ethics issues table

<b>1. HUMAN EMBRYOS/FOETUSES</b>		Page
Does your research involve <a href="#">Human Embryonic Stem Cells (hESCs)</a> ?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of human embryos?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of human foetal tissues / cells?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>2. HUMANS</b>		Page
Does your research involve human participants?	<input checked="" type="radio"/> Yes <input type="radio"/> No	102
Are they volunteers for social or human sciences research?	<input checked="" type="radio"/> Yes <input type="radio"/> No	102
Are they persons unable to give informed consent?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Are they vulnerable individuals or groups?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Are they children/minors?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Are they patients?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Are they healthy volunteers for medical studies?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve physical interventions on the study participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does it involve invasive techniques?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>3. HUMAN CELLS / TISSUES</b>		Page
Does your research involve human cells or tissues (other than from Human Embryos/Foetuses, i.e. section 1)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>4. <a href="#">PERSONAL DATA</a> (ii)</b>		Page
Does your research involve personal data collection and/or processing?	<input checked="" type="radio"/> Yes <input type="radio"/> No	102
Does it involve the collection and/or processing of sensitive personal data (e.g.: health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does it involve processing of genetic information?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does it involve tracking or observation of participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve further processing of previously collected personal data (secondary use)?	<input checked="" type="radio"/> Yes <input type="radio"/> No	102

Proposal ID **690462**

Acronym **ERA4CS**

5. <a href="#">ANIMALS</a> (iii)		Page
Does your research involve animals?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
6. THIRD COUNTRIES		Page
Does your research involve non-EU countries?	<input checked="" type="radio"/> Yes <input type="radio"/> No	102
<i>Associated country: Norway</i>		
Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)? (v)	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Do you plan to import any material from non-EU countries into the EU? <i>For data imports, please fill in also section 4.</i> <i>For imports concerning human cells or tissues, fill in also section 3.</i>	<input checked="" type="radio"/> Yes <input type="radio"/> No	102
<i>probably climate-related data imported from Norway to EU</i>		
Do you plan to export any material from the EU to non-EU countries? <i>For data exports, please fill in also section 4.</i> <i>For exports concerning human cells or tissues, fill in also section 3.</i>	<input checked="" type="radio"/> Yes <input type="radio"/> No	102
<i>probably climate-related data exported from EU to Norway</i>		
If your research involves <a href="#">low and/or lower middle income countries</a> , are benefits-sharing measures foreseen? (vii)	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Could the situation in the country put the individuals taking part in the research at risk?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Proposal ID **690462**

Acronym **ERA4CS**

<b>7. ENVIRONMENT &amp; HEALTH and SAFETY</b> See legal references at the end of the section. (vi)			Page
Does your research involve the use of elements that may cause harm to the environment, to animals or plants? <i>For research involving animal experiments, please fill in also section 5.</i>		<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research deal with endangered fauna and/or flora and/or protected areas?		<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does your research involve the use of elements that may cause harm to humans, including research staff? <i>For research involving human participants, please fill in also section 2.</i>		<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>8. DUAL USE</b> (vii)			Page
Does your research have the potential for military applications?		<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>9. MISUSE</b>			Page
Does your research have the potential for malevolent/criminal/terrorist abuse?		<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>10. OTHER ETHICS ISSUES</b>			Page
Are there any other ethics issues that should be taken into consideration? Please specify		<input type="radio"/> Yes <input checked="" type="radio"/> No	

I confirm that I have taken into account all ethics issues described above and that, if any ethics issues apply, I will complete the ethics self-assessment and attach the required documents. ☒





# Horizon 2020

## European Research Area for Climate Services (ERA4CS)

### List of participants

Part. nb	Participant organisation name	Participant short name	Country
1	French National Research Agency	ANR	FR
2	Austrian Federal Ministry of Science, Research and Economics	BMWFW	AT
3	Belgian Science Policy office	BELSPO	BE
4	German Aerospace Center	DLR	DE
5	Innovation Fund Denmark	IFD	DK
6	Ministry of Economy and Competitiveness	MINECO	ES
7	Environmental Protection Agency	EPA	IE
8	Netherlands Organization for Scientific Research	NWO	NL
9	Research Council of Norway	RCN	NO
10	Foundation for Science and Technology	FCT	PT
11	Executive Agency for Higher Education, Research, Development and Innovation Funding	UEFISCDI	RO
12	Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning	FORMAS	SE
13	University of Graz	UNIGRAZ	AT
14	Royal Meteorological Institute of Belgium	RMI	BE
15	Helmholtz-Zentrum für Polar- und Meeresforschung – Alfred-Wegener Institut	AWI	DE
16	Helmholtz-Zentrum Geesthacht, Zentrum für Material- und Küstenforschung	HZG	DE
17	Danish Meteorological Institute	DMI	DK
18	Spanish Meteorological Institute	AEMET	ES
19	Barcelona Supercomputing Center - Centro Nacional de Supercomputación	BSC	ES
20	Agencia Estatal Consejo Superior de Investigaciones Científicas (Spanish Research Council)	CSIC	ES
21	Universidad de Cantabria – Instituto de Hidráulica ambiental de Cantabria	UC-IHC	ES
22	Universitat Rovira i Virgili - Center for Climate Change	URV-C3	ES
23	Finnish Meteorological Institute	FMI	FI
24	Finnish Environment Institute	SYKE	FI
25	Bureau de Recherches Géologiques et Minières (French geological survey)	BRGM	FR
26	French Alternative Energies and Atomic Energy Commission	CEA	FR

Part. nb	Participant organisation name	Participant short name	Country
27	French National Centre for Scientific Research	CNRS	FR
28	Institut national de l'information géographique et forestière	IGN	FR
29	French National Institute for Agricultural Research	INRA	FR
30	Météo-France (French Meteorological Institute)	Météo-France	FR
31	Greek National Centre for Scientific Research "Demokritos"	NCSR	GR
32	Met Eireann (Irish Meteorological Institute)	Met Eireann	IE
33	Centro Euro-Mediterraneo sui Cambiamenti Climatici	CMCC	IT
34	Italian National Research Council - Department of Earth System Sciences and Environmental Technology	CNR-DTA	IT
35	Royal Netherlands Meteorological Institute	KNMI	NL
36	Norwegian Meteorological Institute	MET Norway	NO
37	Romanian National Meteorological Administration	Meteo-Ro	RO
38	Swedish Meteorological and Hydrological Institute	SMHI	SE
39	University of Reading	UREAD	UK
40	UK Meteorological Office	MetOffice	UK
41	Natural Environment Research Council	NERC	UK

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## Table of acronyms

CMB	Cash Management Board	
CS	Climate Services	
CU	Coordination Unit	
EC	European Commission	
EIT	European Institute of Innovation and Technology	<a href="http://eit.europa.eu/">http://eit.europa.eu/</a> & <a href="http://eit.europa.eu/eit-community/climate-kic">http://eit.europa.eu/eit-community/climate-kic</a>
ERA	European Research Area	
ERA4CS	European Research Area for Climate Services	
EU	European Union	
GFCS	Global Framework for Climate Services	<a href="http://www.gfcs-climate.org/">http://www.gfcs-climate.org/</a>
JCS	Joint Central Secretariat	
JPI	Joint Programming Initiative	<a href="http://ec.europa.eu/research/era/joint-programming-initiatives_en.html">http://ec.europa.eu/research/era/joint-programming-initiatives_en.html</a> & <a href="http://www.jpi-climate.eu">http://www.jpi-climate.eu</a>
KIC	Knowledge and Innovation Communities	<a href="http://eit.europa.eu/activities/innovation-communities">http://eit.europa.eu/activities/innovation-communities</a>
KMB	In-Kind Management Board	
RFO	Research Funding Organization	
RPO	Research Performing Organization	
SEC	Scientific Evaluation Committee	
SRA	Strategic Research Agenda	<a href="http://www.jpi-climate.eu/jpi-themes/research-agenda">http://www.jpi-climate.eu/jpi-themes/research-agenda</a>
TAB	Transdisciplinary Advisory Board of JPI Climate	<a href="http://www.jpi-climate.eu/programme/governance/TAB">http://www.jpi-climate.eu/programme/governance/TAB</a>
WMO	World Meteorological Organization	<a href="https://www.wmo.int">https://www.wmo.int</a>
WP	Work Package	

# 1. Excellence

*“Europe aspires to be the most competitive and dynamic knowledge-based economy in the world, capable of sustainable economic development with more and better jobs and greater social cohesion. Climate change alters the conditions under which these ambitions are to be realized. This generates new challenges, including the need to transform energy systems away from a dependence on fossil fuels and the need to protect European citizens, business and nature from climate risks. Research, knowledge dissemination and innovation are crucial in helping to confront these challenges and generate new opportunities for sustainable development. Climate change is a complex reality, which affects European society at large. Understanding and responding to climate change requires coordinated and large-scale European efforts, in research, innovation and governance.”* This quote comes from the [JPI Climate Strategic Research Agenda](#) (May 2011). It is still fully valid and this ERA4CS proposal aims to be a new cornerstone in the climate services research landscape.

## 1.1 Objectives

Since the Neolithic revolution, ten millennia ago, the development of human societies is limited by their climatic environment. In particular, climate variability has a short term impact on their resources, services and security, and a long term impact on their resilience, vulnerability and adaptive capacity. After the industrial revolution, societies have started affecting their environment, including climate, not only at the landscape level but at the planetary level. This era, named Anthropocene, should then deal both with the management of the global climate and with an increased resilience at the local/regional scale to face changes in climate variability modes and extremes.

This unprecedented challenge urges us to take collective action, taking advantage of advanced research, for open climate knowledge and co-design with the diverse actors of our societies, ranging from public and private sectors to civil society and communities. In this context, the concept of climate services (CS) had been developed over the last decade.

In 2009, the United Nations World Climate Conference-3 in Geneva established a Global Framework for Climate Services ([GFCS](#)), i.e. climate information services to prepare users for the weather they will actually experience. Such services involve high-quality data from national and international databases on temperature, rainfall, wind, soil moisture and ocean conditions, as well as maps, risk and vulnerability analyses, assessments, and long-term projections and scenarios. Depending on the user's needs, these data and information products may be combined with non-meteorological data, such as agricultural production, health trends, population distributions in high-risk areas, road and infrastructure maps for the delivery of goods, and other socio-economic variables.

Effective climate services should allow society to take advantage of opportunities as well as to build resilience to future changes, to limit climate-related economic, social and ecological damages and thereby to support a sustainable development and contribute to a climate-resilient society. Development of climate services requires co-development between information producers, translators and user communities.

This ERA4CS project will use the concept of **Climate Services in a broad sense**<sup>1</sup>: user-driven development and provision of knowledge for understanding the climate, climate change and its impacts, as well as guidance in its use to researchers and decision-makers in policy and business (incl. regions, cities and economic sectors).

It includes in particular the following items, as pin-pointed by the [European research and innovation Roadmap for Climate Services](#) (March 2015):

- transformation of climate-related data - together with other relevant information - into customised products ;
- projections, forecasts, information, trends;
- economic analysis, assessments (including technology assessment);

---

<sup>1</sup> As defined in the [JPI Climate Strategic Research Agenda](#)

- counselling on best practices, development & evaluation of solutions;
- any other service in relation to climate that may be of use for the society at large;
- data, information and knowledge to support climate adaptation, climate mitigation and disaster risk management.

Thus, the overall objective of ERA4CS is to improve user adoption of and satisfaction with CS, including climate adaptation services. It implies the development of tools, methods and standards to produce reliable information (projections with impact and vulnerability assessments) for various user needs to support smart stakeholder decisions and investment projects, encompassing public, private and community sectors.

ERA4CS aims to improve the scientific expertise on climate change risks and adaptation options, but also to connect the knowledge with decision making, e.g. by developing climate adaptation strategies for regions, cities and vulnerable sectors. It focuses on the development of a “climate information translation” layer including climate information production for CS as well as researching and advancing CS as such.

**Figure 1: The landscape of Climate Services and some key European initiatives.** Copernicus Climate Change Service (in pink), H2020 Societal Challenge 5 (in yellow), EIT Climate-KIC (in grey); 2015 JPI Climate Call (in blue) and proposed scope for the co-funded call of ERA4CS (in green).

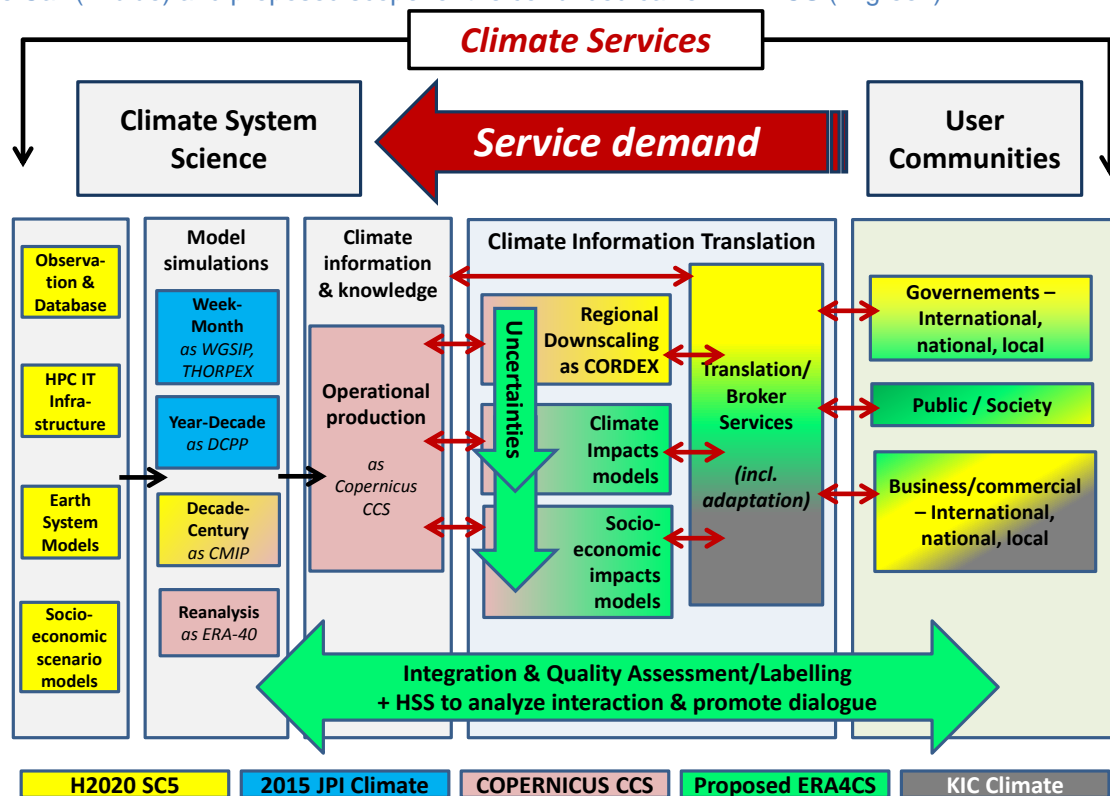


Figure 1, adapted from the [Horizon 2020 Societal Challenge 5 Advisory Group Report 2014](#), represents schematically the broad view of Climate Services linking the societal realm (right side) and the physics realm (left side) through two-way interactions. The links between natural and human/economic systems provide important drivers for market development from both business and decision-making perspectives. This creates the “service demand” which represents a strong feedback to future model development. The key features related to this figure are the following:

- “Climate system science” can and does provide lots of raw data, and also processed information aimed at end users, but often without direct two-way involvement with end users. These components already exist but require continuing investment in development and improvement.

- End users have access to large databases (such as [CMIP<sup>2</sup>](#) or [ERA-Interim](#)) but lack expert knowledge in using that raw data. Users are much more than just business and local governments: national and international level policy makers (for mitigation and adaptation) are also users, as well as communities and civil society at large.
- There is a requirement and some emerging activity to bridge this gap – shown here as “translation/broker services” which might be through large data providers, but should also include many smaller services (e.g. small and medium-sized enterprises) with local or sector-specific expertise. These consultancies will draw on information including, but not limited to, downscaled regional output and impact model output. There is a research and innovation requirement here for trans-disciplinary expertise in both user needs and data.
- “Climate Services” are much more than just this consultancy area – it has to encompass the whole continuum from data to users and include all the components of science which provide the data to start with. It is also vital to ensure that the service demand side gets a strong role to co-design research to strengthen CS. These services have to reflect societal needs both related to business activities and to public decision-making. It will require efforts in the initial phase of design and development in order to reveal user needs, to clarify also open access, legal issues and other critical framing issues.

While the [Copernicus Climate Change Service](#) is meant to support operational running of a European CS, there is a clear and central role for continued investment in research and innovation through complementary European initiatives such as:

- [Horizon 2020 Societal Challenge 5](#) for innovation and advanced research using large instruments (typically above 6M€);
- [EIT Climate-KIC](#) to bridge with private sectors;
- [JPI Climate](#) and its transnational activities on thematic issues, such as the [2013 Call](#) on Russian Arctic and Societal Transformation to face Climate Change or the [2015 Call](#) on Climate Predictability and Inter-regional Linkages (the latter also with the international [Belmont Forum](#)).

The proposed co-funded call we propose in ERA4CS will aim to complement previous initiatives by mobilizing more deeply, within EU Member States and Associated Countries, the research performing and funding organizations, the national climate services and the various disciplines of academia to fill the research gap between the needs of user communities and climate system science. Figure 1 displays the areas targeted by the ERA4CS Consortium (details are given in the following sections), highlighting:

- modelling of impacts and associated uncertainties;
- translation services (incl. adaptation);
- CS quality assessment and labelling;
- CS integration;
- Humanities and Social Sciences to analyse and promote dialogue.

The co-funded call will target two complementary topics:

- a *cash* topic, supported by research funding organizations (RFOs), on co-development for user needs and action-oriented projects. It will target a large mobilization of field actors and academics (incl. Humanities and Social Sciences), with small (0.5M€) to medium (5M€) sized projects;
- an *in-kind* topic, supported by research performing organizations (RPOs), on institutional integration of the research components of national CS. It will target the development of common methodologies and tools, the propagation of climate projections and scenario variability & uncertainties along the CS continuum, around some specific sectors where there is strong common interest between the RPOs (e.g. hydrology, cryosphere, urban infrastructure...).

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<sup>2</sup> Coupled Model Intercomparison Project



These two topics will be complementary and in coherence with the European research and innovation Roadmap for Climate Services (March 2015):

- Research to enable CS market growth
  - [Assessing the nature of CS market \(cash RFO\)](#)
  - [Promoting CS \(in kind RPO\)](#)
  - [Demonstrating the added value \(cash RFO\)](#)
- Research to build the CS market framework
  - [Communities and infrastructures to support and grow the CS market \(in kind RPO\)](#)
  - [Standards, quality assurance and control, access and legal aspects \(cash RFO\)](#)
  - [International cooperation \(in kind RPO\)](#)
- Research to enhance the quality and relevance of CS
  - [Information frameworks in support of CS \(in kind RPO\)](#)
  - [Strengthening the scientific basis and relevance of CS by co-development with users \(cash RFO\)](#)
  - [Strengthening the scientific basis and relevance of CS by institutional integration \(in kind RPO\)](#)

Overall, ERA4CS will undertake research actions to develop better tools, methods and standards on how to produce and use reliable data, new sets of projections, impact indicators, vulnerability and risk maps relevant for user needs and capabilities. It will bring knowledge and opportunities for users to assess impacts and to develop adaptation responses to current and future climate variability and extreme conditions for specific regions, sectors and relevant time periods (seasonal-to-decadal) at a regional and local scale. It includes specific requests for services and multi-driver risk analyses, which require an inter- and trans-disciplinary two-way dialogue between scientists, information providers and end-users.

Finally, important efforts will be made to establish links between ERA4CS and others European and international initiatives related to climate services in order to work towards a common vision and implementation strategy, including better co-alignment of national activities, building on the synergy created by our consortium. These links will be built on existing links from many of our partners with these initiatives and they will be strengthened.

## **1.2 Relation to the work programme**

This application relates to topic SC5-2-2015 “ERA for Climate Services” of the H2020 “Climate action, environment, resource efficiency and raw materials” work programme for 2014-2015 and Societal Challenge 5 “Growing a low carbon, resource efficient economy with a sustainable supply of raw materials”.

ERA4CS will pool the resources that are available for transnational collaboration from national programmes in 16 countries, involving both RFOs bringing *cash* support and RPOs bringing *in-kind* support, complemented by the European Commission (EC) for a total of around 75M€ to fund research on climate services, with particular attention to implement the objectives of the JPI Climate.

Under an overall coordination (WP1) to avoid conflict of interest between RFOs and RPOs, a co-funded call will be prepared (WP2 for *cash* topic and WP3 for *in-kind* topic) and launched according to the selection procedure and to the guidelines of the EC (WP4).

Information on the compliance with [JPI Climate governance principles](#) (Sustainability, Stakeholder orientation, Adaptability, Transparency, Cost efficiency) will be clearly stated in the call text and all communication documents related to the call, and also along monitoring and assessment of the projects (WP5) and communication, exploitation and dissemination (WP6).

The objectives of JPI Climate will be further pursued by developing additional activities (WP7 and WP8) to contribute to update the Strategic Research Agenda and Implementation Plan of JPI Climate, to widen international and European cooperation, and to launch national co-alignment test case(s) in the field of research to strengthen climate services.

Overall, ERA4CS will foster dialogue between scientists, disciplines, various user sectors for co-design and co-development (i.e. multi-, inter- and trans-disciplinary). Beyond strengthening

European integration through more effective exchange and transfer of climate-related knowledge across Europe, ERA4CS will support the development and widening of the JPI Climate.

ERA4CS activities will contribute to the development of [Copernicus Climate Change Service](#), [Climate-KIC Adaptation Service](#) and [ClimateAdapt](#) platform, by regular interaction with representatives of these key European initiatives. More broadly, it will bring advanced research to the international [Global Framework for Climate Services](#), the [Future Earth Programme](#) and relevant actions launched by the [Belmont Forum](#). Overall, ERA4CS will support the implementation of the [EU Strategy on Adaptation to Climate Change](#).

### **1.3 Concept and approach**

The ERA4CS consortium is based on solid, competent and internationally recognized RFOs and RPOs. Key RFOs, members of the JPI Climate Governing Board, have already established and agreed on a flexible model of joint calls and evaluation procedures whose efficiency is acknowledged by both recurrent calls in 2013 and in 2015 (the latter with the international Belmont Forum). This experience is of high added value to stimulate or evaluate activities made by RPOs in the field of climate-related research. Thus, the consortium was extended to key RPOs (incl. members of the JPI Climate) to constitute a highly visible initiative in Europe and beyond, with complementary co-funded topics and additional activities. With 13 RFOs and 28 RPOs, ERA4CS is the largest consortium ever built in the field of research for climate services.

ERA4CS will complement other funding programmes and activities on climate services research at European level (such as e.g. H2020, Copernicus and KIC Climate) and at the international level (such as GFCS, Future Earth and Belmont Forum). It will focus its efforts on planning, implementing and monitoring a joint transnational call between Members States and Associated Countries, increasing their scope through top-up funding from the EC. ERA4CS is designed in close collaboration with JPI Climate and aims to include new partners and countries, to better co-align activities and reduce fragmentation of the research landscape to enable the relevant stakeholders to make better use of the available climate knowledge. The main objectives of this project are divided in two parts. Part A is dedicated to the activities related to the co-funded call (WP1 to WP6) and Part B is dedicated to additional activities (WP7 and WP8).

This proposal is based on the preparatory work already undertaken by JPI Climate during the last 5 years, including especially the Working Group 2 on “Climate Services” and the Strategic Research Agenda that was agreed upon, as well as the preparatory work undertaken by the ad-hoc Governing Board Task Force on “ERA-Net on Climate Services” established in Copenhagen, December 2013.

#### **Part A: Activities related to the co-funded call and the consortium management**

The overall coordination and management structure (WP1) is tailored to coordinate the mobilization of both the main research funding organizations (RFOs) and the main research performing organizations (RPOs) that support research for Climate Services in Europe. The co-funded call will be organized in 2016 and will result, after a two-step selection process, in funding the most excellent transnational research projects for climate services (WP4). As described above (1.1 Objectives), this call will be developed in two distinct but coherent topics:

- a *cash* topic, supported by RFOs, on co-development for user needs and action-oriented projects;
- an *in-kind* topic, supported by RPOs, on institutional integration of research components of national CS.

12 RFOs<sup>3</sup> institutions from 12 countries have indicated their intention to support projects up to circa 25 M€; while 28 RPOs institutions from 15 countries have indicated their intention to support

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<sup>3</sup> The 13th RFO will not be taking part in the co-funded call but only in the Additional Activities.



projects up to circa 50M€. In addition to the maximum EC support of circa 24M€, the co-funded call planned in ERA4CS targets a global investment of circa 75M€ within the European Research Area.

For the co-funded call, particular attention will be given during the writing and the selection process to avoid redundancies and potential conflicts of interest, as RPO research teams will be able to apply to both the *cash* topic and the *in-kind* topic.

Precautions will be taken under the responsibility of the Joint Call Secretariat (JCS), hosted at the Coordination Unit (CU) at the French National Research Agency (ANR), by giving different roles and responsibilities to the Cash Management Board (CMB, grouping the RFOs), the In-Kind Management Board (KMB, grouping the RPOs) and the independent Scientific Evaluation Committee (SEC). For example, the SEC will be established by the JCS, using expert propositions from CMB and from the Transdisciplinary Advisory Board (TAB) of JPI Climate, but not from KMB to avoid conflicts of interest. The overall evaluation procedure will follow good practices and documentation developed by RFOs for the previous JPI Climate calls in 2013 and 2015, as well as available good practices recommended by the [ERA-LEARN 2020 project](#) (the new H2020 project taking up the work of the ERA-LEARN FP7 project, NETWATCH and JPIs ToCoWork, to support ERA-NETs).

All co-funded projects will be monitored, assessed and disseminated through the activities delineated in WP5 and WP6 and in which both RFOs and RPOs will take part.

### Part B: Additional activities

In parallel with the call, ERA4CS additional activities are planned throughout the 5 years of the ERA4CS project. These activities are dedicated to assess and develop JPI Climate activities contributing to research for CS.

It will take strong advantage on the complementarity between research funders (RFOs) and performers (RPOs) of the ERA4CS consortium. It is on line with the overall target of Joint Programming, i.e. towards better alignment between funders and performers in Europe. In practice, ERA4CS Additional Activities target both a “common vision” and a “pilot experiment” for co-alignment. It will contribute to develop a strong partnership between Member States as well as Associated Countries, key research organizations and key European initiatives up to 2020 and beyond, to contribute on sustainable development goal to face climate change.

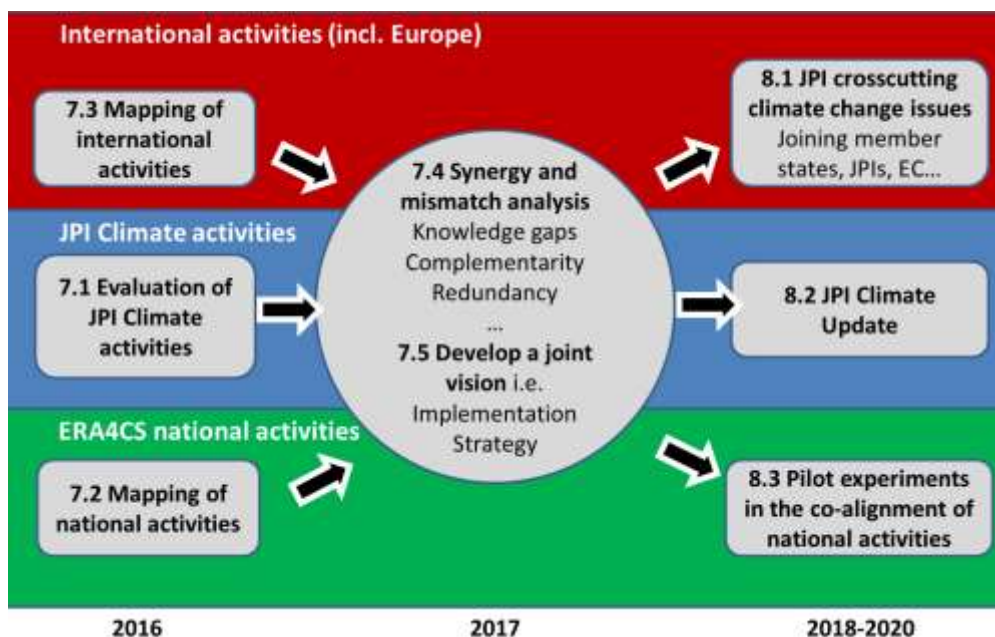


Figure 2: Description of the additional activities planned in ERA4CS in order to root JPI Climate into national and international contexts

Figure 2 displays the various tasks that will be carried out by the additional activities in ERA4CS and how they will work together in synergy:

- In a first step (on the left side), an ex-post evaluation of JPI Climate activities and a mapping of others initiatives at national, European and international levels will aggregate and update the information related to research for CS;
- In a second step (in the middle area), ERA4CS will develop a joint vision between its partners and the Members States involved in JPI Climate, in conjunction with others relevant initiatives in Europe or worldwide, to forge a common implementation strategy up to 2020;
- In a third step (on the right side), parts of this implementation strategy will be developed at national, European and international levels, including a pilot experiment for co-alignment.

This approach is ambitious but it is based on the existing skills of ERA4CS partners that are already involved in structuring or performing national activities as well as European and/or international activities. Our approach will rely on building trust between the partners and sharing common interests to co-design and make ours a common vision towards a realistic step-by-step implementation. Each task will be led by different actors to cover the diversity of organizations and countries.

### **Gender issues**

Throughout ERA4CS activities, a special care will be taken for gender balanced roles and responsibilities, including [co-]leaders of WPs or tasks as well as members of boards and committees. Furthermore, gender balance will be one of the indicators for the assessment of the funded projects in the co-funded call.

## **1.4 Ambition**

Since its creation in 2011, JPI Climate is a collaboration between European countries that aims to coordinate jointly their national climate research and fund transnational research initiatives. JPI Climate contributes to the overall EU objective of developing a European Research Area in support of one of the greatest societal challenges of our times, which is climate change. Within this challenge, the development and deployment of Climate Services is a major challenge in itself in order to increase resilience of societies and develop opportunities for adaptation and mitigation measures to face climate change.

However, such ambitions of JPI Climate need to be implemented in gradual steps to gain visibility, attractiveness and trust. Our ambition with ERA4CS is to strengthen JPI Climate activities by building a consortium that gathers potential commitments almost up to 75M€, almost an order of magnitude higher than the first JPI Climate call in 2013, which reached 9,7 M€.

On line with the JPI Climate SRA, the ERA4CS consortium will play a key role to:

- facilitate the coordination, collaboration and exploitation of synergies in climate change research, learning and innovation while working against fragmentation and duplication of efforts;
- connect different disciplinary approaches in natural and social sciences leading to interdisciplinary research efforts of higher quality and relevance;
- connect top researchers and research groups from different European countries, leading to high quality and efficient research efforts, long term collaborations and a stronger global position;
- connect scientific insights with the demands of policy makers, decision makers and other stakeholders from local to international levels, leading to more effective policies.

By including 41 partners from 16 countries, ERA4CS already enlarges the JPI Climate influence to new partners and countries (Portugal, Greece and Romania) and will continue to do so (e.g. Bulgaria, Poland). On the longer term, ERA4CS will open the way to co-align national activities of both RPOs and RFOs, thanks to its structure that allows cash and in-kind support to work together in a coherent manner. It will impulse more effective European research for Climate Services, with a

better balance between the required diversity of approaches at EU level and a smarter approach of collaboration and specialization, agreed between countries or institutions, to reduce fragmentation and to optimize the overall effort of European tax payers.

Finally, beyond its large mobilization and deployment, this consortium opens the way for future collaboration at the European level, towards a larger partnership including other climate-relevant JPIs, potentially with annual ERA-NETs in the next 5 years, and at the international level with global initiatives such as GFCS, Future Earth and the Belmont Forum.

## **2. Impact**

### **2.1 Expected impacts**

Research for climate services (including adaptation services) requires inter- and trans-disciplinary approaches to improve usable knowledge and at the same time foster dialogue, trust building and cooperation between the various actors and stakeholders. Within this broad context, ERA4CS will contribute specially to the following:

- Facilitate climate-smart public and private decision-making, thereby reducing the impact of climate related hazards and promoting climate-proof management of European resources

This will be achieved through the transnational projects that will be funded by the call, up to circa 75M€. In particular, ERA4CS will make a difference by i) enhancing the usability of state-of-the-art climate information and data, ii) defining quality standards regarding climate services, iii) integrating community knowledge and establishing a demand-driven “climate services” science; iv) establishing a sustainable stakeholder dialogue as an essential step towards capacity building.

- Strengthen European integration through more effective exchange and transfer of climate-related knowledge across the EU

This will be achieved through the transnational projects that will be co-funded by the call, in particular those of the in-kind topic that target the institutional integration of the research component of national climate services in Europe. Furthermore, within its additional activities, ERA4CS aims to better align national programs and activities between Member States, by first evaluating, mapping and analysing existing activities and then forging a common vision and implementation strategy involving both performers (RPOs) and funders (RFOs).

By including 41 partners from 16 countries, ERA4CS will make a difference and bring together expertise from different sectors and disciplines to work on this global challenge. ERA4CS will also make a more efficient use of the available resources within European Members States, or Associated Countries, and certainly raise climate services as an area where European cooperation is of particular value, providing international leadership.

- Support to the development and widening of the JPI Climate

The enlargement of the consortium to new partners and countries has been (e.g. Portugal, Greece Romania) and will continue to be (e.g. Bulgaria, Poland) an effective way to enlarge the role and impact of JPI Climate activities throughout Europe, including Eastern and Southern parts.

By promoting a joint vision and new co-alignment steps at national, European and international levels, additional activities will give strong visibility to JPI Climate activities throughout scientific disciplines, institutions, stakeholders and communities. It will bring trust and legitimacy to JPI Climate in a fragmented research landscape at national and European level.

The role of the JPI Climate Central Secretariat, based at BELSPO in Brussels, will be also confirmed and strengthened by its participation in various tasks of different WPs and its coordination function in close cooperation with the CU and JCS.

- Scientific support to the development of Copernicus operational activities and ClimateAdapt platform

ERA4CS will give direct research support to the development of Copernicus operational activities; by the development of a “climate information translation” layer between “User Communities” and “Climate Science System” (see Figure 1). In particular, the social sciences will bring their highlights

in a context actually dominated by natural sciences, clarifying climate service demands for effective usefulness by field actors (from public, private and communities) in their actual daily life. To optimize the interaction with Copernicus Climate Change Service, we plan to regularly invite a representative for advice on ERA4CS activities.

Furthermore, following the JPI Climate Governance Principles, ERA4CS will promote the accessibility and openness of CS information and knowledge, supported by public funds, in particular via the European Climate Adaptation Platform

- European contribution to the Global Framework for Climate Services (WMO/GFCS), the Future Earth Programme and relevant actions launched by the Belmont Forum

ERA4CS will strengthen and improve collaborations not only at the national and European levels, but also at the international level by strengthening the cooperation already initiated between JPI Climate and Belmont Forum with the 2015 joint call on “Climate Predictability and Inter-Regional Linkages”. Moreover, this call focusses on a timescale from month to decade, which is highly relevant for CS. This cooperation raises the European leadership to forge the international agenda of a large programme such as Future Earth, at a time where emergent countries (as Brazil, India and China) intensify their climate research.

Moreover, all ERA4CS efforts are contributing directly to the implementation of a Global Framework of Climate Services, following the statement of the United Nations World Climate Conference-3 (Geneva, 2009) to develop “climate services over the coming decades that would help ensure that every country and every climate-sensitive sector of society is well equipped to access and apply the growing array of climate prediction and information services made possible by recent and emerging developments in international climate science and technology.”

- Support to the implementation of the EU Strategy on Adaptation to Climate Change<sup>4</sup> and the European research and innovation Roadmap for Climate Services

ERA4CS is directly on line with the EU Strategy on Adaptation to Climate Change and the new research and innovation roadmap for CS, by integrating directly elements of the roadmap in the topics that will be co-funded by the ERA4CS co-funded call, including research to i) enable CS market growth, ii) build the CS market framework, iii) enhance the quality and relevance of CS.

By emphasizing the co-development for user needs and action-oriented projects, ERA4CS will boost Climate Services in a broad sense, including services for climate adaptation, mitigation and disaster risk management. It will provide state-of-the-art guidance for decision-makers in policy and business, including vulnerable regions and cities, and key economic sectors.

ERA4CS will take particular attention to contextualize climate-related data into other relevant information that drive societies (such as economic analysis, technology assessment, governance, social issues, culture...), and thus be effectively relevant for best practices, development and evaluation of solutions.

## **2.2 Measures to maximise impact**

### **a) Dissemination and exploitation of results**

With the co-funded call of ERA4CS, around 30 and 60 transnational projects might be funded. The dissemination of knowledge and achievements obtained by the ERA4CS co-funded projects will contribute to enhance the quality of climate services and contribute to raise the demand at the user's side in the view of taking adequate decisions such as for investment projects. Communication and dissemination of results towards the scientific community will also help enhancing the visibility and outreach of JPI Climate and strengthening the networks.

The communication and dissemination plan is presented in the table below which shows the main target groups and dissemination channels identified.

The overall objective is to connect climate service research outputs to decision-relevant questions and support high-level capacity building to anticipate, plan for and adapt to climate fluctuations;

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<sup>4</sup>[http://ec.europa.eu/clima/policies/adaptation/what/index\\_en.htm](http://ec.europa.eu/clima/policies/adaptation/what/index_en.htm)

building capacities and communities, and engaging stakeholders for enabling growth in the market of Climate Services.

The granted consortia will have to comply with governance principles developed and implemented by JPI Climate (<http://www.jpi-climate.eu/programme/goverance/governance-principles>):

- **Sustainability:** to contribute to mitigate the carbon footprint of their work and activities.
- **Adaptability:** to respond to novel scientific insights and research requirements, current states of societal transformations and potential demands due to sudden social-ecological crises.
- **Transparency:** to develop and implement notions of openness, mutual learning, mutual dependency and joint creativity; and foster the free flow and sharing of information, experiences and opinions.
- **Cost efficiency:** to limit superfluous duplication of scientific/technical outputs, research and funding activities.
- **Stakeholder orientation:** to improve the utilisation of scientific knowledge and research outputs on climate change in societal decision-making processes.

**Table 1: Preparation for the design of the communication strategy**

Audience	Characteristics	Communication Needs
European Commission and other programme owners	Entities that finance projects addressed to specific research fields previously decided.	Incorporating climate services information in decision-making processes.
European Global Producing Centers of Climate Services	WMO-certified centres that provide operational long-range forecasts at the global scale as input for regional and national climate services.	Adopting well-defined standards and improving consistency and usefulness of the output.
Stakeholders: Potential users	Public and private entities that are interested in the application of outcomes of co-funded projects and are ready to provide feedback on their development.	Capacity building, guidance, incorporating tailored climate information in development, humanitarian and business activities. Continuous updates of the research performed in co-funded projects.
Scientists from various disciplines	Research and scientific community.	Synergies with similar co-funded projects. Wide dissemination of co-projects research, incl. open access journals and special sessions on key conferences
Policy makers	International, national and regional public bodies involved in environmental policy definition.	Incorporating tailored climate information in decision-making processes. Awareness of the tools and outcomes provided by co-funded projects to meet policy guidelines.
General public	Citizens and other specific groups such as NGO's interest groups, City Networks (i.e Polis, Eurocities, Council of European Municipalities and Regions...)	Fact sheets and general introductory information about climate prediction and the concept of climate services and their relevance to their own interest.

In order to have an appropriate dissemination and exploitation of results, the ERA4CS strategy is made up of the following key measures that will be implemented in the view of having a long term societal impact:

- To define needs and characteristics, target groups have been considered for the design of the communication strategy and the use of specific communication channels (see Table 1).

- The number of participating countries and partners ensures a wide area of dissemination and facilitates the involvement of different potential users of the results. The ERA4CS consortium will promote the awareness and the necessity for cooperation in climate service research. The fact that this consortium is composed of a wide range of agencies and research centres strongly linked to international climate service initiatives will help to increase the exchange and transfer of climate-related knowledge, which is also one of the objectives of the Additional Activities.
- To promote the dialogue between the different actors involved in climate services research, WP6 is planning to organize events. These events will create relevant fora to find synergies and collaborations among the co-funded projects as well as to increase the connections between science, policy and users.
- To ensure the relevance for users of co-funded projects results, the monitoring activities foreseen in WP5 and the reports resulting from these activities will help programme owners and policy makers to reorient or adjust the research fields of their programmes and political measures in order to adapt them to future climate variability.

The plan on communication and dissemination of results is designed to raise awareness of the scientific outcome and societal relevance of the projects and thereby strengthening the networking and fostering societal impact. The ERA4CS consortium will take advantage of the existing tools from other ERA-NETs, as foreseen in tasks 5.1, to better implement the afore-mentioned measures. The dissemination activities will be based on existing communication tools and channels already developed in the JPI Climate framework and in the ERA-LEARN 2020 project. Synergies with the ERA-LEARN 2020 project will be explored to maximise the impact of the ERA4CS outcomes, as this H2020 project aims to investigate trans-national coordination experiences and acquire know-how with the perspective to identify good examples and to develop a set of recommended procedures, which can be used in the framework of ERA4CS communications.

The dissemination of the results of the co-funded projects will be done according to the different target audiences and their needs. Particular emphasis will also be given to open knowledge. The specific guidelines developed by JPI Climate in combination with general application of open access rules under H2020 will help long term dissemination and knowledge transfer. A general “open data access” policy will be encouraged throughout the period of the co-funded projects in order to ensure the open access of the data they produce. The co-funded call text will detail these aspects as well as the Intellectual Property Rights issues. These principles will be anchored in the ERA4CS Consortium Agreement and also in the co-funded project agreements.

### ***b) Communication activities***

Beyond the usual production of articles in scientific journals (using open access) and presentations at conferences (using regular or special session), communication activities to feature/promote the research achievements and impact of the co-funded projects will be a central knowledge translation activity that will reach out to the broader public, trans-disciplinary climate services research community and key stakeholders including decision makers.

In the communications of ERA4CS, WP6 will start from existing tools developed by JPI Climate (website, newsletter, social media tools) to support the dissemination of the research achievements and impact of the projects, tailoring the message and means employed towards two distinct target audiences: the broad public, decision-makers at different levels and stakeholders on the one side, and the trans-disciplinary climate services research community on the other side. As a first step, a communication and dissemination strategy will be developed aiming at bringing closer the outcomes of the funded projects under ERA4CS and the key end-users of this knowledge. This strategy will also identify key stakeholders and target groups, making use of existing networks of stakeholders related to climate that may be subsequently enlarged.

Dissemination activities will include elements such as:



- **ERA4CS website** embedded within the [JPI Climate website](#). On this website, the co-funded call and then the *factsheets* of the co-funded projects (administrative data and project summary) will be presented as well as contact data of the consortia and links to individual project websites. Regular updates on the projects' progress and up-to-date targeted information on other opportunities (including national opportunities that may be co-aligned, international and European programmes) will also be available. A special section will be meant specifically for stakeholders, showcasing the latest results or tools.
- **ERA4CS tailor-made newsletters** for the target audiences (the broad public, decision-makers at different levels and stakeholders; and on the other hand, the trans-disciplinary climate services research community) informing about the progress and outcomes of the projects.
- **ERA4CS events** to promote the co-funded projects and their outcomes in different arenas, like side events with other Climate research organisations (like the European Climate Research Alliance, ECRA), user workshops and stakeholder events organized by other climate services initiatives under H2020 and other programmes such as the European LIFE programme, meetings with stakeholders and decision makers, satellite sessions, side events at international conferences, e.g. splinter meetings at the European Geosciences Union meetings (EGU) and the European Meteorological Society (EMS) general assemblies, the International Conference on Computational Science (ICCS) or the final conference of the co-funded projects.

The dissemination will also be performed using different tools:

- Printed communication material, such as ERA4CS brochures in multiple European languages (in particular to reach out to new Member States), summary brochures and research highlights and an ERA4CS leaflet showcasing the outcomes of the projects.
- Social media (e.g. Twitter, LinkedIn)
- A video explaining the results and the scientific information obtained by the co-funded projects
- Contribution to the [European Climate Adaptation Platform](#)
- Other climate research or service platforms at national, European and international level, with open and sustainable access
- Offering training and education activities, including a training school aimed at facilitating the creation of an exchange platform among PhD students, scientists and practitioners, to the co-funded projects in how to improve the science-practice interface



**Table 2: Dissemination and communication of results plan**

<b>ERA4CS programme results</b>	<b>Purpose</b>	<b>Means of dissemination and communication tools</b>	<b>Audience</b>	<b>WP</b>
Launch of co-funded joint transnational call	<ul style="list-style-type: none"> <li>• Increased knowledge and understanding of (funding) research on climate services</li> <li>• Awareness on ERA4CS and JPI Climate</li> <li>• Contribution to the objectives of JPI Climate</li> </ul>	<ul style="list-style-type: none"> <li>• ERA4CS, JPI Climate and consortium member websites</li> <li>• ERA4CS newsletter</li> <li>• EU portals: Netwatch; participant portal</li> <li>• Social media (Twitter, LinkedIn)</li> <li>• Advertisement in research journals</li> <li>• ERA4CS or JPI Climate ambassadors</li> </ul>	<ul style="list-style-type: none"> <li>• Stakeholders</li> <li>• Researchers</li> <li>• ...</li> </ul>	4, 6
Achievements of the co-funded research projects	<ul style="list-style-type: none"> <li>• Facilitate climate-smart public and private decision-making</li> <li>• Data sharing and networking</li> <li>• Contribution to the objectives of JPI Climate</li> </ul>	<ul style="list-style-type: none"> <li>• Open access publications</li> <li>• JPI Climate and ERA4CS website</li> <li>• ERA4CS newsletter</li> <li>• ERA4CS scientific meetings and Sessions at Conferences</li> <li>• Presentation in climate service meetings or dedicated sessions or side-events</li> <li>• JPI Climate public reports and leaflets</li> <li>• ERA4CS or JPI Climate ambassadors</li> <li>• Social media (Twitter, LinkedIn)</li> </ul>	<ul style="list-style-type: none"> <li>• Stakeholders</li> <li>• Researchers</li> <li>• Programme owners and managers</li> <li>• European Commission</li> <li>• General public</li> <li>• ...</li> </ul>	4, 6, 7
ERA4CS (funding) activities	<ul style="list-style-type: none"> <li>• Increased knowledge and understanding of (funding) research on climate services</li> <li>• Awareness on ERA4CS and JPI Climate</li> <li>• Action in motivating key stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• ERA4CS scientific meetings</li> <li>• ERA4CS newsletter</li> <li>• ERA4CS final conference</li> <li>• Leaflets and activity reports</li> <li>• Social media (Twitter, LinkedIn)</li> </ul>	<ul style="list-style-type: none"> <li>• Policy makers</li> <li>• Programme owners and managers</li> <li>• European Commission</li> <li>• General public</li> <li>• ...</li> </ul>	6, 7
Involvement of other European initiatives	<ul style="list-style-type: none"> <li>• Increased cooperation</li> <li>• Developing effective solutions for research</li> <li>• Development and widening of the JPI Climate</li> </ul>	<ul style="list-style-type: none"> <li>• ERA4CS or JPI Climate website dedicated pages</li> <li>• Webinars</li> <li>• JPI Climate scientific meetings and other climate services dedicated events</li> <li>• ERA4CS Newsletter</li> </ul>	<ul style="list-style-type: none"> <li>• Stakeholders</li> <li>• Researchers</li> <li>• Programme owners and managers</li> <li>• European Commission</li> <li>• ...</li> </ul>	7



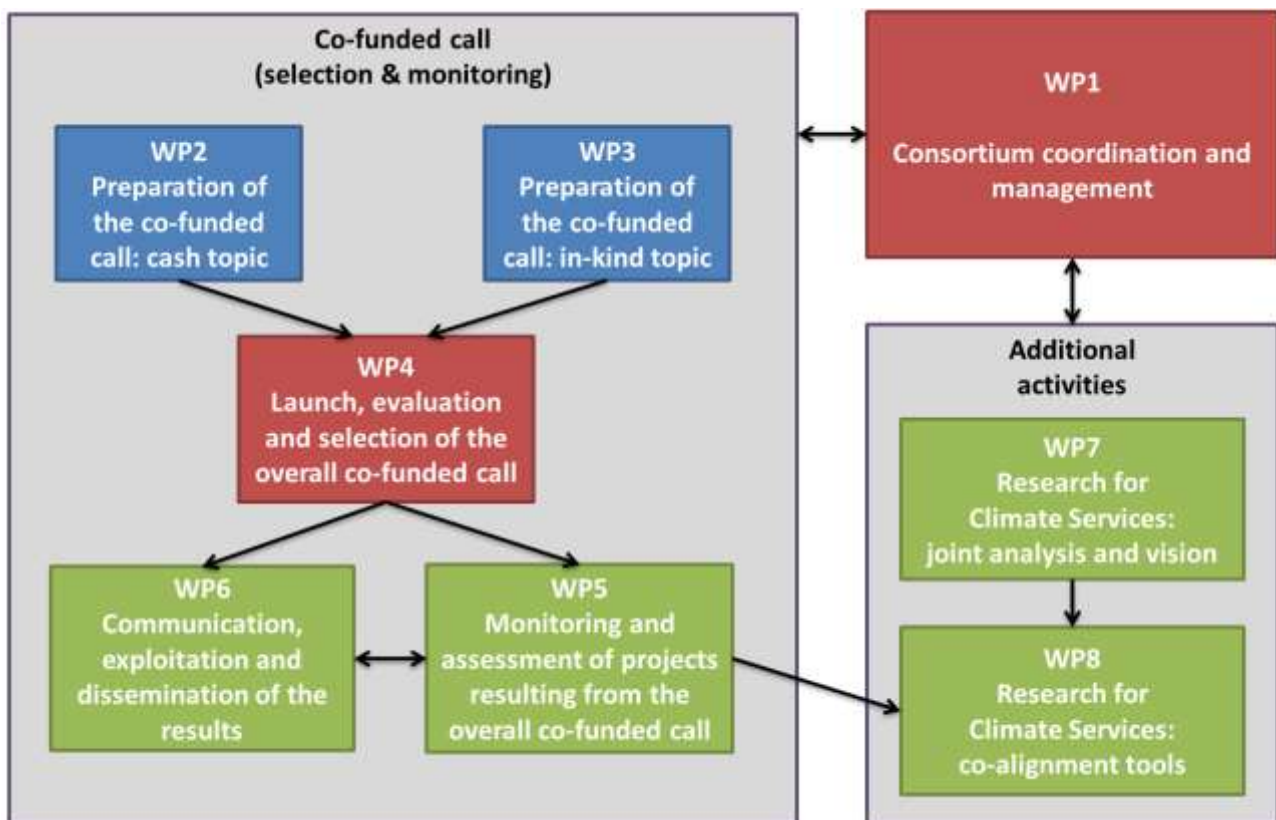
### 3. Implementation

#### 3.1 Project plan

##### *Overall structure of the work plan*

The work plan consists of two parts (see Figure 3). Part A describes the work packages related to the co-funded call and the consortium management (WP1 to WP6). Part B describes the additional joint activities (WP7 and WP8).

**Figure 3: Pert chart of WPs and deliverables**



##### *Timing of the different Work Packages and their components*

The timeline for the activities planned in each WP and task is detailed in Table 3.

It is worth noting that work on WPs 1, 2 and 3 has already started while building this proposal and it will continue up to the official start of the ERANET, using in-kind participation from all partners to enable finalization of the call by the General Assembly in early 2016, with the aim of opening the call in March 2016.

##### *Detailed work description*

A detailed description of each WP can be found below.

**Table 3: Timeline of the Work Packages and Tasks of ERA4CS.**

WP & Tasks	2016				2017				2018				2019				2020			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	M3	M6	M9	M12	M15	M18	M21	M24	M27	M30	M33	M36	M39	M42	M45	M48	M51	M54	M57	M60
WP1 Consortium coordination and management	D1.1									D1.2										D1.3
1.1 Implementation of the working infrastructure																				
1.2 Coordination of the co-funded call																				
1.3 Communication among ERA4CS partners and internal reporting																				
1.4 Communication and reporting to the European Commission																				
1.5 Communication with JPI Climate																				
WP2 Preparation of the co-funded call: cash topic																				
2.1 Cash topic focus and sub-topics selection	D2.1																			
2.2 Preparation of the cash topic specificities for the call documents	D2.2																			
WP3 Preparation of the co-funded call: in-kind topic																				
3.1 In-kind topic focus and sub-topics selection	D3.1																			
3.2 Preparation of the in-kind topic specificities for the call documents	MS1																			
	D3.2																			
WP4 Launch, evaluation and selection of the overall co-funded call					D4.1															
4.1 Launch of the call and establishment of the submission and evaluation portal																				
4.2 Establishment of the international Scientific Evaluation Committee (SEC)																				
4.3 National or partner-specific eligibility of cash pre-proposals																				
4.4 National or partner-specific eligibility of in-kind pre-proposals																				
4.5 Transnational eligibility, evaluation by SEC and decision for pre-proposals																				
4.6 Eligibility, SEC evaluation and grading of full proposals																				
4.7 Funding decisions and communication					MS2															
4.8 Retrospective evaluation of the call procedures						D4.2														
WP5 Monitoring and assessment of projects resulting from the overall co-funded call																				
5.1 Definition of the monitoring indicators and ex-post assessment methodology			D5.1									MS5								
5.2 Implementation of a monitoring tool					MS3															
5.3 Follow up of the progress of the co-funded projects						MS4							D5.2				MS6			
5.4 Assessment of the outcomes of the co-funded projects																			D5.3	
WP6 Communication, exploitation and dissemination of the results	D6.1	D6.2			MS2												D6.4			
					MS4												MS6			
6.1 Communication and dissemination towards the broad public, decision-makers and stakeholders																				
6.2 Communication and dissemination towards the trans-disciplinary climate services research community												D6.3								
WP7 Research for Climate Services: joint analysis and vision								D7.5												D7.6
7.1 Evaluation of JPI Climate activities				D7.1																
7.2 Mapping of national activities of ERA4CS consortium				D7.2																
7.3 Mapping of European and international activities				D7.3																
7.4 Synergy and mismatch analysis				MS7		D7.4														
7.5 Develop a joint vision																				
WP8 Research for Climate Services: co-alignment tools																				
8.1 Promoting a EU framework												MS9								
8.2 JPI Climate update												D8.1								
8.3 Pilot experiments for co-alignment of national activities									MS8											D8.2

## Part A: Activities related to the co-funded call and the consortium management

Work Package Number	1	Start Date or Starting Event	Month 1
Work Package Title	Consortium coordination and management		
Participant Number	1	3	
Short Name of participant	ANR	BELSPO	
Country of participant	FR	BE	

### Objectives

The objective of this WP is to set up the management structures and ensure the overall coordination of the ERA4CS programme, in particular the coherence and complementarity between the two call topics (cash and in-kind), and as well as within the additional activities. Consortium management, network coordination and communication will be crucial activities for the efficient day-to-day follow-up on the commitments between partners including timelines and deadlines. In addition, further enlargement of the consortium will be an objective, especially to include more Eastern and Southern European countries for future collaborations.

### Description of work

#### Task 1.1. Implementation of the working infrastructure (*ANR/FR*)

At the beginning of the project, each ERA4CS partner will appoint or confirm their proxy representative to be part of the General Assembly (GA). An Executive Board (EB) will also be set up, composed of the Coordinator and the WP leaders (for details on these structures, see 3.2

Management structure and procedures). The JPI Climate Transdisciplinary Advisory Board<sup>5</sup> (TAB) will be consulted as a source of external advice by the General Assembly when needed. The Coordination Unit (CU) will consist of the Coordinator, a project manager and a financial and administrative project officer and will carry out the day-to-day operational management of ERA4CS. CU will be the main contact for all ERA4CS partners, as well as the European Commission and other interested parties.

The CU will manage the following issues:

- Preparation of the project management guidelines, describing tools and procedures for the management and reporting activities ensuring the quality and consistency of ERA4CS outcomes, including financial issues;
- Helpdesk for the consortium concerning H2020 rules;
- Preparation of the EB and GA meetings and their minutes;
- Monitoring ERA4CS progress and fulfilment of deliverables and milestones;
- WP coordination and support;
- Management of intellectual property, legal and ethical issues;
- Promotion of JPI Climate governing principles within ERA4CS;

#### Task 1.2. Coordination of the co-funded call (*ANR/FR*)

This task corresponds to the specificity of this ERA-NET Cofund: the publication of two topics funded by different groups ("cash" and "in-kind") within the co-funded call. A number of the tasks listed below would usually appear within the "Preparation and launch of the co-funded call" but in the case of this proposal it would mean redundancies between WP 2 (preparation of the cash topic) and WP 3 (preparation of the in-kind topic). Indeed to avoid conflict of interest and/or redundancies, it is necessary to supervise eventual [sub-]topic overlaps between WPs 2 and 3 and coordinate overall procedure of the co-funded call. To achieve this task the CU will act as the Joint Call Secretariat (JCS).

Moreover, the CU/JCS will establish the Cash Management Board (CMB) and the In-Kind Management Board (KMB), based on partners of the GA committed to contribute to the co-funded

<sup>5</sup> <http://www.jpi-climate.eu/programme/governance/TAB>

call (RFOs for cash topic; RPOs for in-kind topic).

Using the basis of previous calls from the JPI Climate in 2013 and insuring compliance with H2020 rules, the CU/JCS will draft the call documentation to be adapted by the CMB within task 2.2 for the cash topic and by the KMB within task 3.2 for the in-kind topic. The CU/JCS will also control the coherence of the adapted documents and interact with either Management Board if adjustments seem to be needed. The call documentation consists of a short Memorandum of Understanding (MoU) that summarizes practices and commitments, complemented by:

- 00 an Implementation Plan, including detailed description of evaluation process, grant administration, communication, reporting, financial contributions, detailed call timeline;
- 01 the call for proposals;
- 02 Partner-specific regulations;
- 03 the roles and responsibilities of call funders;
- 04 Guidelines for applicants (step 1);
- 05 Guidelines for applicants (step 2);
- 06 Guidelines for reviewers;
- 07 Guidelines for SEC members;
- 08 Conflict of Interest declaration.

CU/JCS will also supervise launch, evaluation and selection of the overall co-funded call (see WP4)

Details on processes and interactions, between the various actors of the co-funded call, to be managed by the Coordinator CU/JCS are displayed in Table 4.

A “firewall” approach is controlled by the CU/JCS between the two topics. Indeed, partners involved in preparing the cash topic will not be eligible to submit a proposal in that topic. This firewall involves i) a signed confidentiality agreement by persons involved in the writing of this proposal and ii) separate meetings to discuss the two topics independently. At the same time, there is an iteration process through the CU/JCS, led by the Coordinator, to avoid redundancy and ensure coherence between the two topics and the two sets of topic documents. Moreover, the KMB’s actions prior to project funding are limited to writing the in-kind topic, defining its specific functioning and checking the eligibility of proposals. In order to insure excellence and avoid conflict of interest, the KMB will not take action during the evaluation of full proposals or make the final funding decision. The final funding decision for the in-kind topic will be made based on the pre-defined functioning agreed on by the KMB.

### **Task 1.3. Communication among ERA4CS partners and internal reporting (*ANR/FR; BELSPO/BE*)**

The ERA4CS partners will meet at least once a year: it is proposed that ERA4CS project follow-up, TAB, GA and JPI Climate Governing Board would take place in a given location over a week (see Figure 4) in order to avoid fragmentation and travel within ERA4CS and JPI Climate actors, since many of the same people are involved in the different groups.

Moreover, communication between ERA4CS partners will be established through regular telephone conferences, exchange of e-mails and additionally supported via tools such as an extranet. While preparing this proposal an extranet has already been set up via the JPI Climate extranet system and with the help of JPI Climate Central Secretariat (hosted at BELSPO, BE) that is involved in this proposal. This secured bank of documents is accessible to all ERA4CS partners and gives them access to all the documents necessary for the activities of the consortium. In particular, the Executive Board will meet regularly, either physically or virtually, to help the Coordinator monitor the WPs and tasks and ensure coherence of the ERA-NET as a whole, with its call, its additional activities and the interactions between the two.

### **Task 1.4. Communication and reporting to the European Commission (*ANR/FR*)**

The CU will be responsible for any communication and contact between the EC and ERA4CS partners, including:

- Transaction of funds;
- Collection of cost statements and audit certificates from partners;
- Preparation of scientific reports;

- Informing the EC of changes and if necessary propose amendments to the Grant Agreement.

#### **Task 1.5. Communication with JPI Climate** (*ANR/FR, BELSPO/BE*)

Interactions with JPI Climate via its Central Secretariat, hosted at BELSPO, will be promoted by mutual exchange of information on related activities and results, in particular with actual Working Group 2 on “Researching Climate Service Development and Deployment”<sup>6</sup>. These exchanges will be maintained by annual meetings described in task 1.3 as well as by telephone conferences and e-mail.

#### **Deliverables**

- D1.1 ERA4CS kick-off meeting (month 1)
- D1.2 Project management guidelines (month 2)
- D1.3 Mid-term progress report of ERA4CS (month 30)
- D1.4 Final progress report of ERA4CS (month 60)

**Figure 4: Proposed annual back-to-back meetings structure to avoid fragmentation and travel for ERA4CS and JPI Climate actors**

	Monday	Tuesday	Wednesday		Thursday	Friday
AM	ERA4CS Project monitoring symposium	ERA4CS Project monitoring symposium	TAB meeting		ERA4CS General Assembly	JPI Climate Governing Board
PM	ERA4CS Project monitoring symposium	ERA4CS Activities synthesis session	TAB meeting	ERA4CS General Assembly	JPI Climate Governing Board	

<sup>6</sup> <http://www.jpi-climate.eu/jpi-themes/research-agenda/theme2>

**Table 4: Summary of processes and interactions to be managed by the CU/JCS between cash and in-kind topic of the co-funded call**

Process name	Cash topic	In-kind topic
Call text writing	Written by CMB (Task 2.1)	Written by KMB (Task 3.1)
	Interaction with JCS to avoid redundancy with in-kind topic, providing details of its content if necessary (Task 1.2)	Interaction with JCS to avoid redundancy with cash topic, but without providing details of its content (Task 1.2)
Associated documentation	General documentation provided by JCS (Task 1.2)	
	Specificities developed by the CMB (Task 2.2)	Specificities developed by the KMB (Task 2.2)
Launch and submission guidance	Made by JCS and CMB partners (Task 4.1)	Made by JCS and KMB partners (Task 4.1)
SEC	Establishment by JCS and CMB with help of TAB (Task 4.2)	
Step 1 Evaluation	Eligibility check by JCS (Task 4.5) and by CMB (Task 4.3)	Eligibility check by JCS (Task 4.5) and by KMB (Task 4.4)
	Independent evaluation by SEC (Task 4.5)	Redundancy check by SEC between In-kind pre-proposals and cash topic, to avoid eventual conflict of interest (Task 4.5)
	Decision by CMB (Task 4.5)	Decision by KMB, engaging RPO to fund full proposal if selected in step2 (Task 4.5)
Step 2 Evaluation	Eligibility check by CMB & JCS (Task 4.6)	Eligibility check by KMB & JCS (Task 4.6)
	Evaluation by SEC and final grading	
Funding decision	Decided by CMB (Task 4.7) to maximize budget use and country participation taking into account target guidelines (defined in Task 2.2)	Limited by top-up money available or by the end of the list. Supervised by JCS (Task 4.7).
Communication	Organized by JCS in association with WP6	



Work Package Number	2	Start Date or Starting Event			Month 1
Work Package Title	Preparation of the co-funded call: cash topic				
Participant Number	4	5	8		
Short Name of participant	DLR	IFD	NWO	ALL CASH PARTNERS	
Country of participant	DE	DK	NL		

### Objectives

The aim of this WP is to prepare the “cash” topic and accompanying call documents for the co-funded call, resulting in grants to third parties. This will be done coherently with the preparation of the in-kind topic of the call.

Decisions will be made collectively by the Cash Management Board (CMB), based on RFO partners of the GA committed to contribute with cash support to the co-funded call.

### Description of work

WP leader: DLR/DE. Co-leader: IFD/DK. Contributing: all “cash” partners participating in the co-funded call.

The main focus of the cash part of ERA4CS will be on the development of a “climate information translation” layer, respectively on the interaction between scientists and stakeholders, providers and users. It aims for a large mobilization of disciplines (incl. Humanities and Social Sciences) via small to medium size instruments (0.5 to 5M€), complementary to H2020. Focus research areas are based on the JPI Climate Strategic Research Agenda and in line with the European research and innovation Roadmap for Climate Services. They are complementary with those of the in-kind topic developed in WP3: (i) assessing the nature and demonstrating the added value of CS market; (ii) standards, quality assurance and control, access and legal aspects of CS and (iii) strengthening the scientific basis and relevance of CS by co-development with users.

This WP will prepare the cash topic, which is part of the co-funded call text, and will provide input to the respective call documents, including evaluation criteria. To achieve the tasks the WP2 leader will act as the CMB Chair. The CMB will be the main working and decision body for this WP.

#### Task 2.1. Cash topic focus and sub-topics selection (DLR/DE, IFD/DK)

The WP leader and co-leader will prepare a first draft of the call text based on the preparatory work already undertaken by JPI Climate Task Force, highlighting the focus of the cash topic and a selection of sub-topics. It will consider the roadmap for Climate Services, the JPI Climate SRA as well as related activities from other initiatives.

This draft will be circulated among the CMB to reach consensus. Resulting comments will feed into a second draft of the call. This process will be accompanied by telephone and video conferences as well as physical meetings when necessary to reach consensus among the funding agencies about the funding priorities from the thematic perspective.

As the Coordinator is part of the CMB and will also be aware of the in-kind topic developments, it is insured that there will be no overlaps with the in-kind topic (task 3.1) and coherence of the call as such is guaranteed.

#### Task 2.2. Preparation of the cash topic specificities for the call documents (DLR/DE, NWO/NL)

This task will be developed in coordination with the JCS to insure overall coherence, while ensuring the required confidentiality between the two topics (WP2 and WP3). The documents to adjust will be based on the existing joint call documentation developed by JPI Climate in 2013 and adapted by the JCS (Task 1.2) to be compliant to H2020 rules. The specific adjustments on this documentation for the cash topic will be developed and approved by CMB within this task.

### Deliverables

D2.1 Cash topic text (month 2)

D2.2 Accompanying cash topic documents (month 2)

<b>Work Package Number</b>	<b>3</b>	<b>Start Date or Starting Event</b>	<b>Month 1</b>
<b>Work Package Title</b>	Preparation of the co-funded call: in-kind topic		
<b>Participant Number</b>	<b>33</b>	<b>21</b>	
<b>Short Name of participant</b>	<b>CMCC</b>	<b>UC-IHC</b>	<b>ALL IN-KIND PARTNERS</b>
<b>Country of participant</b>	<b>IT</b>	<b>ES</b>	

### Objectives

The aim of this WP is to prepare the in-kind topic and accompanying call documents for the co-funded call, resulting in projects carried out within the partner RPOs. This will be done coherently with the preparation of the cash topic of the call.

Decisions will be made collectively by the in-Kind Management Board (KMB), based on RPO partners of the GA committed to contribute with in-kind support to the co-funded call.

### Description of work

WP leader: CMCC/IT. Co-leader: UC-IHC/ES. Contributing: all “in-kind” partners participating in the co-funded call.

This WP will prepare the in-kind topic, which is part of the call text for the co-funded call and provide input to the respective call documents, including evaluation criteria. To achieve the tasks the WP3 leader will act as the KMB Chair. The KMB will be the main working and decision body for this WP.

The main focus of the in-kind part of ERA4CS will be on the institutional integration of the research components of national or regional-level climate services. Focus research areas are in line with the European research and innovation Roadmap for Climate Services and complementary with those of the cash topic developed in WP2:

- Research to promote the CS market
- Research to build the CS market (incl. communities, infrastructures and international cooperation)
- Information frameworks in support of CS
- Strengthening the scientific basis and relevance of CS by institutional integration

### Task 3.1. In-kind topic focus and sub-topics selection (*CMCC/IT, UC-IHC/ES*)

By involving a large number of countries and leading national players, the in-kind topic will target the *development of common methodologies and tools*, the *representation and spread of projections and scenario uncertainties* on the Climate Service products, the production of *localized and customized information for specific sectors* where the RPO partners find strong common interests (e.g. hydrology, cryosphere, urban infrastructure, coastal areas, ...). These sub-topics should address issues that should be boosted by transnational cooperation and avoid any collection of usual national activities.

The WP leaders will organise an in-depth review meeting/scoping workshop with the KMB on the domains of the EU research & innovation Roadmap for Climate Services identified above. All RPOs will be asked to contribute and provide a review on current activities performed at national and institutional level on those domains. An ad-hoc questionnaire will be developed and sent in advance to collect the information and it will form the basis for the discussion during the meeting. As result of the meeting, areas of common interest will be clearly identified. The common areas of interest will form the basis of the call sub-topics.

For each area, a transnational team of the most interested parties will be identified and these teams will work in parallel to refine the sub-topics with a specific attention to transnational interests and added values. The WP leaders will inform the Coordinator to ensure coherence with the *cash* topic prepared in task 2.1.

As a result of this task, the text of the in-kind topic and sub-topics will be prepared, including requirements on important features such as specific eligibility criteria (e.g. minimum number of countries represented in the partnership) and budget limits. Where necessary, country specific information will be considered in the respective documents prepared under task 3.2.



**Task 3.2. Preparation of the in-kind topic specificities for the call documents (*CMCC/IT, UC-IHC/ES*)**

This task will be developed in coordination with the JCS to insure overall coherence of the call and topic specificities, while ensuring the required confidentiality between the two topics (WP2 and WP3).

The documents to adjust will be based on the existing joint call documentation developed by JPI Climate in 2013 and adapted by the JCS (Task 1.2) to be compliant to H2020 rules. It includes a short MoU, adapted from the 2013 JPI Climate Call MoU, complemented by annexes (see list on Task 1.2).

The specific adjustments on this documentation for the in-kind-topic will be developed and approved by the KMB within this task.

**Deliverables**

D3.1 In-kind topic text (month 2)

D3.2 Accompanying in-kind topic documents (month 2)

**Milestone**

MS1 Scoping workshop (month 1)

Work Package Number	4	Start Date or Starting Event				Month 1
Work Package Title	Launch, evaluation and selection of the overall co-funded call					
Participant Number	1	3	4	8	11	33
Short Name of participant	ANR	BELS PO	DLR	NWO	UEFISCD I	CMCC
Country of participant	FR	BE	DE	NL	RO	IT

### Objectives

The aim of this WP is to launch the co-funded call, evaluate the submitted proposals and select excellent proposals for funding for both the cash topic and the in-kind topic. Proposal evaluation will be performed in a two-step procedure based on common international scientific peer review and compliant to H2020 rules.

### Description of work

WP leader: ANR/FR. Contributing: all partners participating in the co-funded call. Only task leaders are mentioned above.

The evaluation will be implemented in a two-step procedure (see Table 4 and Figure 5).

In the first step, applicants are invited to submit pre-proposals, which describe a short outline of the proposed work. The pre-proposals will be verified for formal criteria and eligibility of the applicants. The applications passing this check will then be submitted to the Scientific Evaluation Committee (SEC). The SEC will meet and:

- grade the most promising applications from the cash topic;
- advise on potential redundancy between the in-kind pre-proposals and the cash topic to avoid possible conflicts of interest;
- if needed, make recommendations to applicants for the second step.

In the second step of the evaluation, the submitted full proposals from both topics will be reviewed by at least three independent external experts. In a second meeting of the SEC, taking into account all this information, the SEC will agree on scores for all proposals. The evaluation of full proposals will be aligned on the scoring system and criteria ('excellence', 'impact' and 'quality and efficiency of the implementation') given in Annex H of the General Annexes of the H2020 Work Programme 2014-2015.

The consortium will take all lawful steps to ensure confidentiality of information and documents obtained during the evaluation and selection procedures of this joint call.

### Task 4.1 Launch of the call and establishment of the submission and evaluation portal (ANR/FR)

The call for proposals will be published on the JPI Climate website and by the national funding organizations via their national publishing routines such as websites, newsletters, press announcements. The publishing instruments of the EC like the participant portal and Netwatch will be used as well. Additional routes may include relevant scientific meetings. If feasible and necessary, a call pre-announcement will be published to maximize the early mobilization of the climate services research community. The EC will be duly notified of the call and its content at least 30 days before the expected date of publication. The call will be opened for the submission of proposals for at least 60 days. A specific electronic portal for proposal submission as well as evaluation will be set up, using either a new system being finalized at the time this proposal is written at ANR or via subcontracting to an adequate organization if needed.

The JCS will act as a central helpdesk to the applicants regarding all aspects of proposal drafting and submission. In addition, each partner organization participating in the call will establish a "national" contact point (NCP). Potential applicants will be strongly encouraged to contact their adequate representative for advice on partner-specific rules and regulations, including eligibility and financial budget regulations. Advice will be available continuously by telephone and e-mail throughout the entire period of call implementation.

**Task 4.2. Establishment of the international Scientific Evaluation Committee (*NWO/NL, ANR/FR, contributors: all cash partners*)**

The JCS will be responsible for the establishment of the SEC. Its composition will be based on the propositions from the CMB with additional input from the TAB. The SEC members will be internationally recognized scientists chosen for their scientific, technical and/or specific expertise in the field of climate services. The Committee will be as far as possible gender and geographically balanced, including experts from countries participating or not in the call. Reviewers will be carefully selected with regard to any potential conflict of interest. To ensure the necessary expertise to review the proposals, the SEC will consist of around 20 members. The effective number will be adjusted according to the number and content of the submitted pre-proposals.

**Task 4.3. National or partner-specific eligibility of cash pre-proposals (*DLR/DE, contributors: all cash partners*)**

The CMB chair will coordinate the “national” eligibility checks for all partners involved in the cash topic. Each partner will perform a verification of compliance to their specific rules for all pre-proposals requesting their funds.

**Task 4.4. National or partner-specific eligibility of in-kind pre-proposals (*CMCC/IT, contributors: all in-kind partners*)**

The KMB chair will coordinate the “national” eligibility checks for all partners involved in the in-kind topic. Each partner will perform a verification of compliance to their specific rules for all pre-proposals requesting their funds.

**Task 4.5. Transnational eligibility, evaluation by SEC and decision for pre-proposals (*ANR/FR*)**

*Formal check of pre-proposals*

The JCS will check all pre-proposals (cash and in-kind topic) to ensure that they meet the call formal criteria (date of submission; number and country distribution of participating research groups; inclusion of all necessary information in English, page length). The JCS will forward the proposals to the CMB and KMB members who will perform a verification of compliance to national or partner-specific rules (see task 4.3 and task 4.4). Pre-proposals not meeting the formal conditions will be rejected without further review and with no possibility of appeal.

*First Scientific Evaluation Committee meeting*

All pre-proposals meeting the eligibility requirements will be sent to the SEC. Each pre-proposal will be sent to at least two reviewers of SEC (to do so, JCS will be helped by SEC Chair and CMB). The SEC members will be asked:

- for cash topic pre-proposals, to score them based on the scoring system and criteria mentioned above;
- for in-kind topic pre-proposals, to check eventual redundancy with the cash topic to avoid conflicts of interest.

The written statements from the reviewers will be collected by the JCS. The SEC will meet to forge a consensus after a contradictory debate: scoring for cash-topic pre-proposals and redundancy check for in-kind pre-proposals. SEC recommendations will be sent to CMB for cash pre-proposals and to KMB for in-kind pre-proposals. CMB and KMB will make the final decision on the invitation for full proposal submission. CMB and KMB should follow agreed rules established in Task 2.2 and 3.2, in particular to adapt the financial overpressure for each funder (e.g. selection ratio limited to 1:3 for cash topic and to 2:3 for in-kind topic).

*Invitation for full proposal submission*

Finally, the JCS will invite the project coordinators of the selected pre-proposals to submit full proposals for the second step of the evaluation process, including possible recommendations from SEC, CMB or KMB. For the rejected pre-proposals, the SEC members will prepare a brief written summary of the panel discussions, which will be collected by the JCS and if necessary iterated

with CMB or KMB. This summary will be anonymized and sent to the coordinators of the rejected pre-proposals.

#### **Task 4.6. Eligibility, SEC evaluation and grading of full proposals (*ANR/FR*)**

*Note: KMB partners will not take part to this task except for eligibility before evaluation.*

##### *Formal criteria check and external reviews*

The JCS will check the submitted full proposals to ensure that they meet the call formal criteria and have not changed substantially from the respective pre-proposals, with the help of CMB and KMB if needed. For both topics, under the responsibility of the SEC Chair, each proposal will be assigned to at least two SEC members for review. These members will name external reviewers for each proposal, which will be contacted between step 1 and step 2 to take part in this process. At least three external reviews must be submitted for each proposal. All reviewers will be asked to use a common evaluation form for the written reviews and to score the proposals according to the evaluation criteria and scoring system mentioned above.

##### *Second Scientific Evaluation Committee meeting*

The JCS will send the full proposals and external reviews to the SEC members. The SEC will meet to discuss each proposal, taking into account the external reviews and their own expertise. As in the first step for the cash topic, the evaluation for both topics will follow the scoring system mentioned above. Finally, the SEC will make a classification of the proposals by grade for both topics. For the cash topic, no decimals will be used, allowing a *coarse ranking* with ex-aequo. For the in-kind topic, decimals might be used for *fine ranking*. The SEC members will prepare a brief written summary of the panel discussions for all proposals, which will be collected by the JCS. The anonymized written summary will be forwarded to the applicants after funding decisions have been announced.

Some members of the CMB (and eventually of the TAB) will be present at the SEC meeting as observers. In addition, an independent expert will be invited as official observer to the second SEC meeting to assess the conformity of the general implementation of the joint call and specifically the proper implementation of the international peer review and establishment of the list of transnational projects ranked by grade. The assessment of the observer will be provided in a report to the European Commission.

#### **Task 4.7. Funding decisions and communication (*ANR/FR*)**

After removing the costs for WPs, the EC top-up funds will be split proportionally to total in-kind commitments after selection (estimated ≈60%) and to total cash commitments after selection (estimated ≈40%).

##### *Cash topic funding decision*

The CMB will meet to make its final funding decision based strictly on the scientific recommendation of the SEC (list of transnational projects ranked by grade). As many full proposals as possible with a funding recommendation (grade higher than a set minimum) will be funded, taking into account the available budget. Each eligible applicant will be funded by the organization it has applied to and according to its administrative regulations (virtual common pot model). The final distribution of the EC top-up funding will be discussed and agreed by the CMB in order to maximize the number of high quality proposals to be funded by filling funding gaps and/or topping up the partner contributions (mixed model using guidelines defined in Task 2.2, to avoid for each given RFO that the EC contribution ratio of top-up funds over total funds is within a minimum and a maximum, e.g. between 15% and 50%). If proposals have identical grades, i.e. ex-aequo ranking, the proposals coming from participating Member States or associated countries with still available funding will be given precedence, in order to further maximize the number of selected projects and/or country participation. The joint selection list of projects to be funded will be communicated to the EC. The applicants will be informed about the final funding decision and possible recommendation, and then the national negotiations will begin.

#### *In-kind topic funding decision*

The KMB will not meet to make the final funding decision, because:

- the KMB will have insured after the first step the availability of funds for all proposals invited to the second step.
- the KMB has already decided to use a virtual common pot model with a fixed ratio of EC contribution for each RPO funding of a given project.

Thus, the selection will stop automatically once there is no more EC top-up funding to share, following the distribution of top-up defined in Task 3.2 or once there are no more projects proposed for funding by the SEC. The joint selection list of projects to be funded will be communicated to the EC. The applicants will be informed about the final funding decision and eventual recommendation, and then there will be no negotiations.

#### *Communication*

The final funding lists (one for the cash topic and one for the in-kind topic) will be prepared by the JCS and provided to WP6 for publication on the ERA4CS website, the relevant EC portals as well as the JPI Climate webpage.

#### **Task 4.8. Retrospective evaluation of the call procedures (*BELSPO/BE, UEFISCDI/RO*)**

An evaluation of the call procedures will be done once the final funding lists are published. This will be carried out by the task leaders, who will not be directly involved in the JCS and have an external point of view. All the necessary data (priority themes covered, number of received proposals, budget requested, scores and ranking, followed evaluation procedures and reports, feedback from the TAB and the SEC) will be made available to the task leaders by the JCS. An overall report (D4.5) will be prepared on the mapping and analysis of all evaluation steps and the particular interactions between cash and in-kind topics, JCS and management boards. A general conclusion and suggestions to improve future calls will be included and the final report will be communicated within the consortium but also with the JPI Climate and the [ERA-LEARN 2020](#) project. To avoid double work, the ERA-LEARN 2020 consortium will be consulted prior to the analysis for any methodological experience they can contribute.

#### **Deliverables**

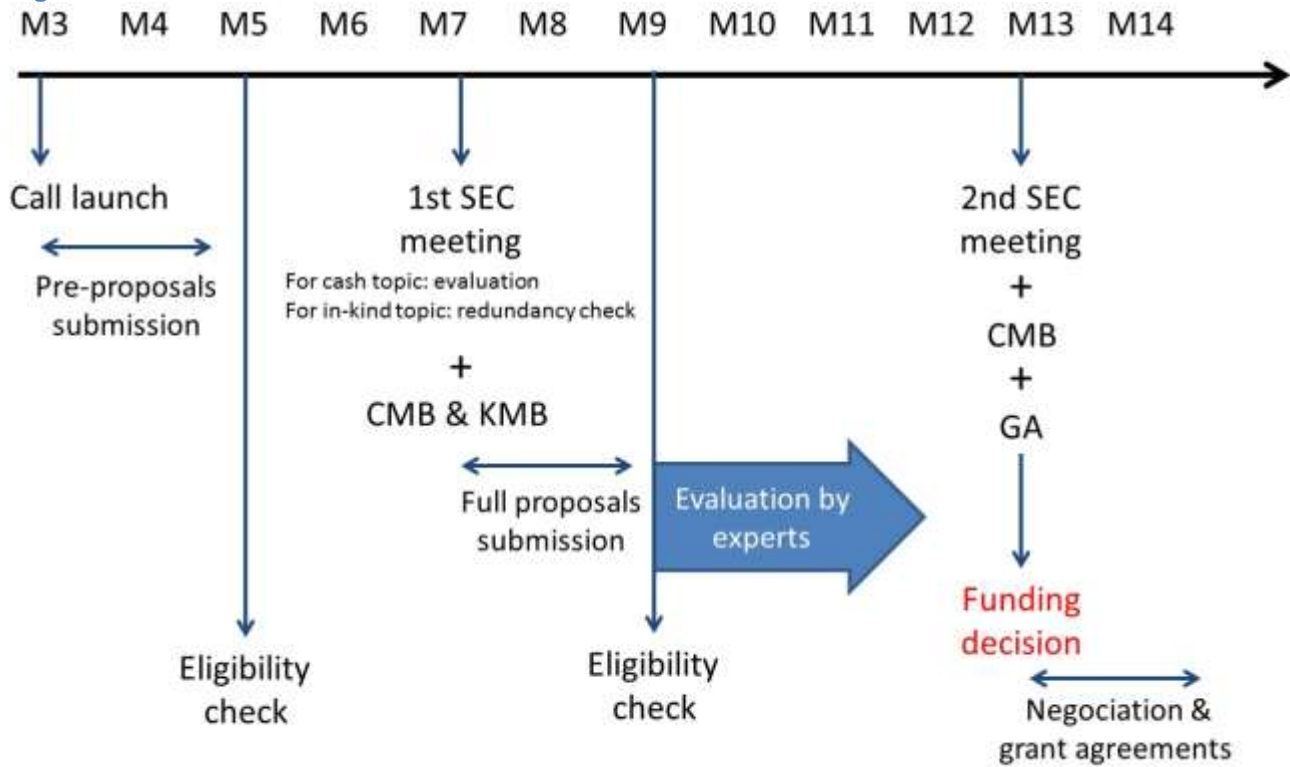
D4.1 Deliverable for the EC with: (i) the ranking lists of the projects; (ii) the observers' report on the evaluation; (iii) the joint selection list of the projects to be funded; (iv) from each partner participating in the call, a formal and duly signed commitment on availability of funds for the selected projects (month 15).

D4.2 Report on the retrospective evaluation of the call procedures (month 18)

#### **Milestone**

**MS2** Publication of the list of co-funded projects on the website (month 15 – jointly with WP6)

Figure 5: Call timeline



Work Package Number	5	Start Date or Starting Event			Month 1	
Work Package Title	Monitoring and assessment of projects resulting from the overall co-funded call					
Participant Number	19	11	3	5	7	
Short Name of participant	BSC	UEFISCDI	BELSPO	IFD	EPA	
Country of participant	ES	RO	BE	DK	IE	
Participant Number (cont.)	18	23	24	33	34	
Short Name of participant (cont.)	AEMET	FMI	SYKE	CMC C	CNR- DTA	
Country of participant (cont.)	ES	FI	FI	IT	IT	

### Objectives

The objective of this WP is to:

- Prepare the list of indicators to monitor and assess the co-funded projects
- Implement a monitoring tool for the follow-up and monitoring of the co-funded projects
- Follow-up their progress
- Assess their outcomes with regard to their proposed working plan

### Description of work

WP leader: BSC/ES. Co-leader: UEFISCDI/RO.

Assessing the results of the ERA4CS co-funded call is essential to evaluate its contribution towards the development of climate services in the European Research Area. The systematic monitoring and ex-post assessment strategy will be organized around four tasks:

- Definition of the monitoring indicators and ex-post assessment methodology
- Implementation of a monitoring tool
- Follow up of the progress of the co-funded projects
- Assessment of their outcomes

This WP relies on the complementary expertise of several partners in the assessment and monitoring of consortium activities. The organizations have extensive experience in implementing and monitoring programmes in the fields of research, development and innovation at both national and international levels, including public-private partnerships and their assessment.

Furthermore this WP will take advantage on good practises and tools developed by the [ERA-LEARN Platform](#) and will develop interactions with [the ERA-LEARN 2020 project](#), (incl. process for monitoring & impact assessment).

#### **Task 5.1: Definition of the monitoring indicators and ex-post assessment methodology (UEFISCDI/RO, BSC/ES)**

A list of indicators is required to design the templates for intermediate and final reports of the co-funded projects. This set of indicators (e.g. publications, patents, collaboration with public or private decision makers, exchange of personnel, societal visibility of the project, training and capacity building, number of PhD and post-doctoral fellowships, etc.) will also be used to establish the ex-post analysis. The experience of different models and monitoring systems represented by the ERA4CS partners will contribute to the development of indicators to monitor the socio-economic impact of the funded projects and other important parameters such as: means of dissemination, data sharing and material exchange, gender balance, increase in the level of education, job creation, etc.

After consulting the ERA-LEARN2020 project, a first list of indicators will be prepared and circulated within the consortium. The TAB and the SEC will also be invited to contribute. The stabilized set of indicators (D5.1) will be validated by GA and it will be embedded in the design of the common reporting forms to be used in the follow-up and monitoring activities of the co-funded call.

### **Task 5.2: Implementation of a monitoring tool (BSC/ES)**

The aim of this task is to implement an online tool for reporting, monitoring, and assessing the co-funded projects. This tool will enable the easy collection and management project data to ensure an efficient centralization of data handling and a small administrative burden. The tool will take into account the following requirements:

- Rapid implementation
- Application of the [JPI Climate governance principles](#)
- Guaranteed secured storage of data
- Real-time monitoring and analysis of the projects
- Upload of complementary documents (deliverables, technical reports)
- Possibility of low-effort online monitoring questionnaire
- Sending automatic notifications to project holders combined with notifications to the administrator when new data appears in the system

To achieve this, a mapping of existing tools used by ERA4CS partners and ERA-LEARN2020 suggestions based on other ERA-NETs will be made. Depending on the results, either a novel tool will be set up, tailored to ERA4CS specificities or an existing tool will be adapted. The final approval of the most appropriate tool will be made by the GA.

Once the monitoring tool is available, it will be tested in order to ensure its proper functioning. An important milestone of this task is the delivery of the monitoring tool before the start of the projects. Access to the monitoring tool will be possible directly from the ERA4CS website.

Together with this tool, common templates in English for project reporting will be designed in order to unify national requirements, to gather the information for the set of indicators defined in task 5.1 and to edit publishable summary of project status. This common approach will avoid to have for one co-funded project multiple and fragmented reports using different template and language.

As much as possible, this will make use of good practises and tools from the ERA-LEARN 2020 project. For example, the final reports will compile information on the performance of the project on the following aspects, among others: i) scientific activities and outcomes, ii) dissemination of results and knowledge transfer, iii) uses and impacts, iv) data management and timeline for open access and v) added value of international cooperation. Overall, it will provide a corporative image of ERA4CS to each co-funded project and their associated researchers and stakeholders.

As the evaluation and impact of publicly funded projects/programmes is a strategic priority for funders as well as the European Commission, the obligation to participate to the *monitoring requirements* (such as the list of indicators, reporting forms, joint kick-off and final meetings<sup>7</sup>) will appear clearly in the call text. These *monitoring requirements* will be put *mandatory* in their grant agreements, and induced cost (as for meetings) should be *integrated in each project budget*.

### **Task 5.3: Follow up of the progress of the co-funded projects (BSC/ES; UEFISCDI/RO, AEMET/ES)**

This task aims at evaluating the progress of the projects. Monitoring will start from the co-funded project kick-off meeting (month 18) and continue until the end of the funding period with major milestones at mid-term and at the end.

As there will be a monitoring team, project coordinators can reach an observer at short notice. The monitoring team will contact directly the project coordinators for information delivery, reporting requests and reporting analysis. The monitoring team will also follow project progress through deliverables and might attend some meetings and workshops organized by the projects to ensure adequate interactions. The results of the monitoring and assessment will be presented to the ERA4CS GA at mid-term and at the end. The number of observers will depend on the number of projects approved.

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<sup>7</sup> these meetings will be co-organized by WP5 and WP6



**Task 5.4: Assessment of the outcomes of the co-funded projects (*BELSPO/BE, UEFISCDI/RO*)**

This task aims at assessing the outputs of the co-funded projects and will be carried out in close collaboration WP6 leaders. The list of indicators (D5.1) will have been distributed to the coordinators at the onset of the co-funded projects, creating awareness of the future requests for the assessment of these projects. Answering the low-effort online monitoring questionnaire to analyse how the projects contribute to the overall strategic aim of ERA4CS will be requested twice (at mid-term and at the end). Results will be a common resource for funders and act as a database of the co-funded projects and their annual progress from a technical point of view.

The data from the questionnaires will be analysed and summarised by the task leaders and presented during the final meeting to highlight the impacts of the co-funded projects and their potential for emergence and innovation. The final assessment results (D5.3) will be made available on the ERA4CS website and a wider dissemination through other relevant means will be carried out as described in WP6.

**Deliverables**

D5.1 List of monitoring indicators (month 8)

D5.2 Report on the mid-term assessment of the co-funded projects (month 38)

D5.3 Report on the final assessment of the co-funded projects (month 59)

**Milestones**

MS 3 Delivery of the monitoring tool (month 12)

MS 4 Kick-off meeting of the co-funded projects (month 18 - jointly with WP6)

MS 5 Refined list of monitoring indicators (month 36)

MS 6 Final conference of the co-funded projects (month 54 - jointly with WP6)

Work Package Number	6	Start Date or Starting Event			Month 1	
Work Package Title	Communication, exploitation and dissemination of the results					
Participant Number	3	34	18	19		
Short Name of participant	BELSPO	CNR-DTA	AEMET	BSC		
Country of participant	BE	IT	ES	ES	ES	
Participant Number (cont.)	22	23	33	39		
Short Name of participant (cont.)	URV-C3	FMI	CMCC	UREAD		
Country of participant (cont.)		FI	IT	UK		

### Objectives

Dissemination activities featuring/promoting the research achievements and impact on society of the research funded projects will be a central knowledge translation activity that will reach out to the trans-disciplinary climate services research community on one hand, and the broader public focussing on key stakeholders including decision makers on the other hand. Attention will be paid to tailoring the message and means employed towards these two respective audiences. The added value of this work package will be to raise awareness of the scientific outcome and societal relevance of the projects, thereby strengthening the networking and fostering societal impact. The overall objective will be to connect climate-services research outputs to decision-relevant questions and support capacity building to anticipate, plan for, and adapt to climate variability and change. Particular attention will be paid to on liaising with the related activities within WP1, WP5 and Additional Activities in order to ensure a corporate identity of the activities of this ERA-NET on Climate Services under the umbrella of JPI Climate; to identify the commonalities between the different co-funded projects in their dissemination strategies; and to foster coherent communication approaches with other European and international initiatives.

The activities within this work package will be based on existing communication tools and channels already developed in the JPI Climate framework.

### Description of work

This WP will be developed in direct synergy with the **JPI Climate Central Secretariat**, hosted at BELSPO, BE.

The communication and dissemination process performed in this WP will be organised in a two-fold way to address the target audiences: Firstly, the broad public, decision-makers at different levels and stakeholders (Task 6.1); and secondly, the trans-disciplinary climate services research community (Task 6.2). This separation of activities will not hamper the learning and collaboration of the two tasks within WP6.

We will pursue a variety of measures to communicate to the different audiences and disseminate the results of the co-funded projects, using both conventional and new/emerging technologies, such as social media. Communication will involve the creation of a website, newsletters, brochures in multiple European languages and visual dissemination tools and events as listed below.

#### **Task 6.1 Communication and dissemination towards the broad public, decision-makers and stakeholders (BELSPO/BE, UREAD/UK)**

This task aims at reinforcing key stakeholder awareness, interest and involvement during the whole period of the call. The task will disseminate the knowledge and experiences from the co-funded projects to maximize their exposure and visibility and to ensure the long term impact of their outcomes. Synergies with the ERA-LEARN 2020 project will be explored to maximize the impact of the ERA4CS outcomes and to promote the work carried out in the framework of JPI Climate. Following actions are proposed:

- Creation and running of an ERA4CS website, embedded in the current JPI Climate website, with regular updates on the funded projects under the corporate identity label of JPI Climate; and with up-to-date targeted information on other opportunities (including national opportunities that may be co-aligned, international and European programmes).
- Identification and engagement of key stakeholders and target groups, making use of

existing networks of stakeholders related to climate, gathered in a contact list for communication purposes.

- Production of an ERA4CS tailor-made newsletter for the defined target audiences (e.g. promoting science results and usage and policy-impact summaries), brochures in multiple European languages, fact sheets of the projects selected for funding including data on each participant and abstracts of the project proposals for the broader public, and an ERA4CS leaflet showcasing the outcomes of the projects.
- Organization of an event in a Brussels based institution linked with the kick-off meeting of the funded projects in collaboration with WP5, and side events with other Climate research organisations (such as the European Climate Research Alliance ECRA). This event would possibly be combined with the organisation of an “info day” in South-Eastern Europe, in cooperation with WP7.
- Co-organization of and/or contribution to user workshops and stakeholder events organized by other climate services initiatives under H2020 and other programmes such as the European LIFE programme.
- Participation in meetings with stakeholders and decision makers.
- Organisation of a final conference of the co-funded projects to report on their results.
- Coordination with WP5, WP7 and the call secretariat (WP1) to ensure coherent monitoring and communication of the projects activities, results, outcomes.

### **Task 6.2 Communication and dissemination towards the trans-disciplinary climate services research community (CNR-DTA/IT, AEMET/ES)**

This task aims at disseminating and spreading scientific knowledge of the co-funded projects, fostering knowledge sharing through network building and facilitating new and improved connections between science, policy and users communities, increasing the impacts on the landscape of the scientific knowledge produced with the co-funded projects. Special attention will be paid to promote synergies through guidance of the dissemination strategies of the different co-funded projects, facilitating the uptake of the results.

- Guidance to the projects on how to present and communicate activities and results, in line with the [JPI Climate governance principles](#), using templates among others.
- Participation in externally organized events, incl. organizing satellite sessions and side events at international conferences, e.g. splinter meetings at the European Geosciences Union meetings (EGU) and the European Meteorological Society (EMS) general assemblies.
- Promotion of and support to build capacity to improve the science-practice interface, and offering training and education activities related to the co-funded projects. Among the education activities a science/training school will be organised to facilitate the creation of an exchange platform among PhD students, scientists and practitioners.
- Dissemination of the results and the scientific information obtained by the co-funded projects via user-friendly visual tools (including a video), fostering among others social media use, as well as summary brochures and research highlights, the final conference and via other climate research or service platforms at national, European and international level.
- Coordination with WP5, WP7, WP8 and WP1 to ensure coherent monitoring and communication of the projects activities, results, outcomes.

### **Deliverables**

**D6.1** ERA4CS website (month 2)

**D6.2** Communication and dissemination Strategy (month 5)

**D6.3** Summer school for early-career researchers (month 36)

**D6.4** Video presenting project outcomes (month 54)

### **Milestones**

**MS2** Publication of the list of co-funded projects on the website (month 15 - jointly with WP4)

**MS4** Kick-off meeting of the co-funded projects (month 18 - jointly with WP5)

**MS5** Final conference of the co-funded projects (month 54 - jointly with WP5)

## Part B: Additional Activities

Work Package Number	7		Start Date or Starting Event			Month 1	
Work Package Title	Research for Climate Services: joint analysis and vision						
Participant Number	1	4	2	3	5	6	7
Short Name of part.	ANR	DLR	BMFWF	BELSPO	IFD	MINECO	EPA
Country of part.	FR	DE	AT	BE	DK	ES	IE
Part. Number (cont.)	8	9	10	11	12	16	18
Short Name of participant (cont.)	NOW	RCN	FCT	UEFISCDI	Formas	HZG	AEMET
Country of participant (cont.)	NL	NO	PT	RO	SE	DE	ES
Part. Number (cont.)	23	33	35	40	41		
Short Name of participant (cont.)	FMI	CMCC	KNMI	MetOffice	NERC		
Country of participant (cont.)	FI	IT	NL	UK	UK		

### Objectives

ERA4CS additional activities are dedicated to assess and develop JPI Climate activities contributing to research for CS. It will take advantage on the complementarity between research funders (RFOs) and performers (RPOs) of the ERA4CS consortium. As mentioned before, Figure 2 presents the different tasks developed within ERA4CS Additional Activities (WP7 and WP8) and their articulation.

In a first step (tasks 7.1, 7.2, 7.3), based on ex-post evaluation of [JPI Climate Fast Track Activities \(FTA\)](#) and mapping of others initiatives, this WP will aggregate and analyse information, at Member State, European and international levels, to identify current strengths and failures.

In a second step (tasks 7.4, 7.5), this WP will develop a joint vision between the partners of ERA4CS and the Members States involved in JPI Climate, in conjunction with others relevant initiatives in Europe or worldwide, to forge a common implementation strategy up to 2020.

Finally, implementation of elements of this strategy is developed within WP8 (tasks 8.1, 8.2, 8.3).

### Description of work

WP leaders: ANR/FR, DLR/DE

An inclusive approach is necessary for the EU Member States as well as for the RFOs and RPOs themselves to develop a coherent and strategic coordination of both their own national and EC coordinated research in the field of Climate Services.

ERA4CS will foster dialogue between scientists, disciplines, various user sectors for co-design and co-development (i.e. multi-, inter- and trans-disciplinary). Beyond strengthening the European integration through more effective exchange and transfer of climate-related knowledge across the EU, ERA4CS will support the development and widening of the JPI Climate.

#### Task 7.1 Evaluation of JPI Climate activities (DLR/DE, RCN/NO, Formas/SE)

This task is meant to hold a retrospect and evaluation of what has been accomplished by JPI Climate in the field of Climate Services during the last years, in particular within the Work Group 2 that captured, through mapping and literature exercises, partial activities of CS providers in Europe. The JPI Climate TAB will give advice for this task. It will result in a synthesis report that will analyze successes and limitations and be useful input for Task 7.4.

#### Task 7.2 Mapping of national activities of ERA4CS consortium (HZG/DE, BMFWF/AT, MINECO/ES)

Despite existing effort of JPI Climate, in depth mapping of European CS is yet fragmented across disciplinary researchers, CS providers and sectorial users. This task will extend the mapping of climate services in all participating countries by collecting and labeling the various projects, programs and agendas developed within each RFO and each RPO of the ERA4CS consortium. The result of this mapping will be synthesized in a report that will be useful input for Task 7.4.

**Task 7.3 Mapping of European and international activities** (*FMI/FI, ANR/FR, HZG/DE, AEMET/ES, MetOffice/UK*)

To extend the mapping of “who does what” in the Climate Services landscape, ERA4CS and JPI Climate activities will be related to key other initiatives at European level (as other relevant JPIs, EIT Climate-KIC, Copernicus Climate Change Service, programs and projects from FP7, H2020, COST...) or at international level (as WMO, GEO, GFCS, Climate Services Partnership, Future Earth, Belmont Forum...). This will result in a synthesis report, which is planned in interaction with the proposed 2015 CSA “European Climate Observations, Modelling and Services - 2”. The result of this mapping will be synthesized in a report that will be useful input for Task 7.4.

**Task 7.4 Synergy and mismatch analysis** (*NERC/UK, EPA/IE*)

ERA4CS will organize a suite of workshops or webinars that will help identifying research and knowledge gaps, including quality control and standards for CS, as well as complementarity, redundancy or synergy potential between national, European and international programs or initiatives. A particular attention will be made to co-design for user-needs, by arranging specific workshops for transdisciplinary interactions between sectorial actors, CS providers and researchers.

To take advantage of the outputs from the three previous tasks and to track the ERA4CS analysis, progresses will be uploaded on the JPI Climate website and on <http://www.climate-knowledge-hub.org> to gather on-line contribution and feedback from users, stakeholders and researchers.

**Task 7.5 Develop a joint vision** (*ANR/FR, DLR/DE, IFD/DK*)

Taking gain from the previous analysis on research for CS, ERA4CS will organize a scoping symposium between the ERA4CS partners and the key European/International initiatives to forge a common vision on research for CS that could be implemented by the different national, European and international funders and performers, following subsidiarity principle where relevant. This task plans to establish a report for 5yrs Implementation Strategy, which could be implemented with ad-hoc instruments by the various actors from national to European and international level (see WP8). A revised report is planned to be made at end of the project. Trust building and added value will be key components to develop all along the process.

This vision and implementation strategy will serve the Board of the JPI Climate, to share information and optimize funding of Research Funding Organizations and to ensure political recognition, and will associate a number of complementary actors, as Research Performing Organizations - including the individual researchers - to provide feed-backs, others JPIs relevant for climate impact/adaptation/mitigation, EIT Climate-KIC for connection to private sectors, Copernicus Climate Change Service for providers/purveyors, H2020 for innovation, infrastructures and excellence.

**Deliverables**

- D7.1** Report on JPI Climate activities for CS (month 12)
- D7.2** Report on the mapping of ERA4CS member states national activities for CS (month 12)
- D7.3** Report on the mapping of European/International activities for CS (month 12)
- D7.4** Report on the synergy and mismatch analysis on CS research (month 18)
- D7.5** Initial report on Implementation Strategy for CS research (month 24)
- D7.6** Revised report on Implementation Strategy for CS research (month 60)

**Milestone**

- MS7** Workshop from task 7.4



Work Package Number	8	Start Date or Starting Event			Month 1
Work Package Title	Research for Climate Services: co-alignment tools				
Participant Number	6	1	4	2	3
Short Name of participant	MINECO	ANR	DLR	BMFWF	BELSPO
Country of participant	ES	FR	DE	AT	BE
Participant Number (cont.)	16	21	27	33	41
Short Name of participant (cont.)	HZG	UC-IHC	CNRS	CMCC	NERC
Country of participant (cont.)	DE	ES	FR	IT	UK

### Objectives

This WP will decline the implementation strategy for 2018-2020 developed in WP7 (see Figure 2) at (i) the European level to impulse common framework joining MS, JPIs, and EC; (ii) the JPI Climate level by upgrading its Strategic Research Agenda and Implementation Plan; (iii) the national level by pilot experiment(s) for co-alignment.

Overall, ERA4CS consortium will encourage all JPI Climate members to get involved in co-alignment activities, as well as to attract new partners from European or associated countries that are not yet members of JPI Climate.

### Description of work

Leaders: MINECO/ES, ANR/FR, DLR/DE

#### Task 8.1 JPI crosscutting climate change issues (ANR/FR, BELSPO/BE, UC-IHC/ES)

Acting to combat climate change and its impacts is a challenge at the global level, where Europe could make a difference if a framework partnership is developed between key actors. The research and funding landscapes in Europe are complex, but there is already a basis of coordinated efforts, through a number of JPIs that address various aspects of climate issues. Taking advantage from the common vision developed in WP7, this task proposes to update and strengthen the partnerships between JPI Climate and other JPIs relevant for climate issues on a given domain, such as JPI Water, JPI Oceans, JPI FACCE (food) or JPI Urban Europe. This action is planned to produce recommendations and impulse common actions (incl. ERA-NETs) for the third wave of H2020 and beyond, to strengthen and simplify cooperation between the European Commission, Member States and other national/regional programme managers and owners.

#### Task 8.2 JPI Climate update (HZG/DE, DLR/DE, BMFWF/AT, CMCC/IT)

The common vision and implementation strategy proposed by ERA4CS will help to update the SRA and the Implementation Plan of JPI Climate concerning the research for CS. It will be also crucial to strength the role of JPI Climate in CS landscape, beyond transnational co-funded projects. Following transnational activities are proposed:

##### *Internet-platform "Climate knowledge hub"*

The already existing [www.climate-knowledge-hub.org](http://www.climate-knowledge-hub.org), developed by JPI Climate Work Group 2, can be used as a means to further map the CS providers/purveyors landscape. However a Climate Knowledge Hub without quality control is of limited help as long as quality control mechanisms and standards are missing. This task therefore aims at developing further inventories of CS providers/purveyors and at the same time recommendations on quality control mechanisms and standards (taking advantage from the analysis performed in task 7.4). This shall result in the end in an update of the Climate Knowledge Hub, taking also into account progress from ERA4CS co-funded projects.

##### *Capacity Building*

Last but not least, capacity building and exchange of good practices among the project partners will be supported, with a special focus on new members, associated and less/least developed countries in order to facilitate their ability to participate fully in joint or co-aligned

activities.

### **Task 8.3 Pilot experiments for co-alignment of national activities** (*MINECO/ES, CNRS/FR*)

In recent years, great progress has been achieved in alignment of national activities within Joint Programming Initiatives in Europe, emphasizing its importance to better exploit the scarce resources and maximize societal impact. According with the report on this issue of the High Level Group for Joint Programming of European Council (GPC): "Alignment is the strategic approach taken by Member States to modify their national programmes, priorities or activities as a consequence of the adoption of joint research priorities in the context of joint programming with a view to implement changes to improve efficiency of investment in research at the level of Member States and ERA." In other words, joint programming requires alignment beyond just transnational calls.

This task will use mapping, analysis, common vision and proposed implementation strategy (see WP7) as an entry point, as well as from progresses within the co-funded projects (see WP5). However, if co-alignment concerns to all the ERA4CS participants alike, the deployment of pilot experiments for co-alignment will depend on particularities for a given area or theme of interest. In particular, it will be important to identify if overlap activities and redundancies insure the required diversity of approaches at EU level, or if a smarter approach of the collaboration/competitive ratio could be made by co-alignment (to optimize the overall effort of European tax payers).

Based on an updated survey of national programmes, one (or few) pilot experiments for co-alignment on a given area or theme will be developed by establishing guidelines and framework for aligning some ongoing programs, tools/instruments and/or research agendas across JPI Climate Member states. To align and negotiate, the alignment process will be build-up by workshops, which will gather representatives from ERA4CS consortium, RFOs and RPOs, public and private sectors, civil society and from ERA4CS co-funded projects where relevant. Working in teams, the participants will identify gaps and opportunities to strengthen research agendas, investment plans and confront productivity issues from a research and policy point of view. They also help clarify on how and who should be linked together among research suppliers, CS providers and CS users.

It will be also important to investigate the best instrument(s) to deploy. In particular this task would revise the actual JPI Climate Implementation Plan (adopted in Copenhagen in 2013) on alignment:

- *Joint follow-up*: Networking existing research efforts on a specific topic, possibly including funding of complementary research, to promote cross-fertilization and increased visibility, impacts and benefits.
- *Joint Capacity Building*: Building capacity of early career researchers with a focus on conducting multi-disciplinary, interdisciplinary and trans-disciplinary research at the transnational level (e. g., co-supervision).
- *Institutional Alliances/Pooling Capacities*: Co-developing a joint transnational research programme that promotes cooperation, and builds alliances and shared knowledge and expertise. This could include sharing infrastructure such as hardware (e.g. high-performance computing), equipment, software (community models) or data bases.
- *Smart Specialization*: Agreeing across countries or institutions on a strategic framework that promotes effective specialisation, aggregation of critical mass and reduction of redundancies whilst maintaining collaborative development of a joint research strategy within a given area or theme.

Finally, beyond the deployment of one (or few) pilot experiment(s) over one or two years, the progress will also be taken into consideration by developing a strategy that would allow measurable changes at member state level.

### **Deliverables**

**D8.1** Update of JPI Climate SRA and Implementation Plan for CS (month 36)

**D8.2** Pilot experiment for co-alignment of national research activities for CS (month 60)

### **Milestones**

**MS8** Guidelines and framework for co-alignment activities (month 30)

**MS9** Strengthening of framework partnership between JPIs relevant to CS (month 36)



**Table 5: List of Work Packages**

WP number	Work Package Title	Lead Participant No	Lead Participant Short Name	Start Month	End month
Part A: Activities related to the co-funded call and the consortium management					
1	Consortium coordination and management	1	ANR	1	60
2	Preparation of the co-funded call: cash topic		DLR & IFD	1	3
3	Preparation of the co-funded call: in-kind topic		CMCC & UC-IHC	1	3
4	Launch, evaluation and selection of the overall co-funded call	1	ANR, DLR & CMCC	1	18
5	Monitoring and assessment of projects resulting from the overall co-funded call		BSC, BELSPO & UEFISCDI	1	60
6	Communication, exploitation and dissemination of the results		BELSPO & CNR-DTA	1	60
Part B: Additional Activities					
7	Research for Climate Services: joint analysis and vision	1	ANR & DLR	1	60
8	Research for Climate Services: co-alignment tools		MINECO, ANR & DLR	1	60

**Table 6: List of Deliverables**

Deliverable (number)	Deliverable name	WP number	Short name of lead participant	Type	Dissemination level	Delivery date
1.1	Project Management Guidelines	1	ANR	R	CO	2
2.1	Cash topic text	2	DLR & IFD	R	PU	2
2.2	Accompanying cash topic documents	2	DLR & IFD	R	PU / CO	2
3.1	In-kind topic text	3	CMCC & UC-IHC	R	PU	2
3.2	Accompanying in-kind topic documents	3	CMCC & UC-IHC	R	PU / CO	2
6.1	ERA4CS website	6	BELSPO & CNR-DTA	DEC	PU	2
6.2	Communication and dissemination Strategy	6	BELSPO & CNR-DTA	R	CO	5
5.1	List of monitoring indicators	5	BSC & UEFISCDI	R	PU	8
7.1	Report on JPI Climate activities for CS	7	ANR & DLR	R	CO	12

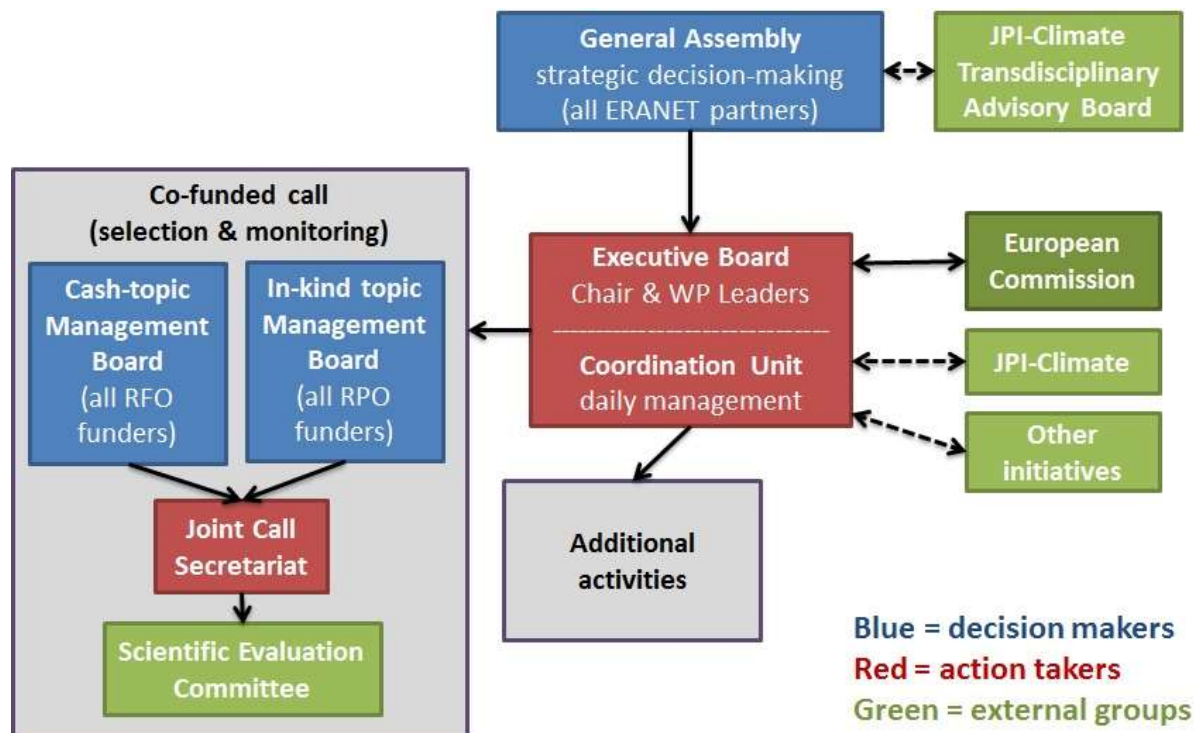


<b>Deliverable (number)</b>	<b>Deliverable name</b>	<b>WP number</b>	<b>Short name of lead participant</b>	<b>Type</b>	<b>Dissemination level</b>	<b>Delivery date</b>
7.2	Report on the mapping of ERA4CS member states national activities for CS	7	ANR & DLR	R	CO	12
7.3	Report on the mapping of European/International activities for CS	7	ANR & DLR	R	CO	12
4.1	Deliverable for the EC with selection results from the co-funded call	4	ANR, DLR & CMCC	R	PU	15
4.2	Report on the retrospective evaluation of the call procedures	4	ANR, DLR & CMCC	R	PU	18
7.4	Report on the synergy and mismatch analysis on CS research	7	ANR & DLR	R	CO	18
7.5	Initial report on Implementation Strategy for CS research	7	ANR & DLR	R	PU	24
1.2	Mid-term progress report of ERA4CS	1	ANR	R	CO	30
6.3	Summer school for early-career researchers	6	BELSPO & CNR-DTA	OTHER	PU	36
8.1	Update of JPI Climate Strategic Research Agenda and Implementation Plan for CS	8	MINECO, ANR & DLR	R	PU	36
5.2	Report on the mid-term assessment of the co-funded projects	5	BSC & UEFISCDI	R	PU	38
6.4	Video presenting project outcomes	6	BELSPO & CNR-DTA	DEC	PU	54
5.3	Report on the final assessment of the co-funded projects	5	BSC & UEFISCDI	R	PU	59
1.3	Final progress report of ERA4CS	1	ANR	R	CO	60
7.6	Revised report on Implementation Strategy for CS research	7	ANR & DLR	R	PU	60
8.2	Pilot experiment for co-alignment of national research activities for CS	8	MINECO, ANR & DLR	OTHER	PU	60

## 3.2 Management structure and procedures

### 3.2.1 Decision making mechanisms

Figure 6: Representation of the governance structures of ERACS and their connexions



#### General Assembly (GA)

- The GA will be composed of one representative from each partner organization participating in the ERA4CS Consortium.
- The GA will be chaired by the ERA4CS Coordinator, with vice-chair(s) identified and elected by the consortium at the first GA.
- Decision-making will take place within the CMB and KMB (see below for their description) for all call aspects specific to the respective groups.
- For aspects affecting both groups, the GA will represent the ultimate decision-making body of ERA4CS and as much as possible decisions will be made by consensus. If not possible, a voting procedure will be followed, as defined in the Consortium Agreement.
- Example of situations addressed by the GA:
  - Monitoring of the work plan and decision on corrective actions (if needed)
  - Agreement on modification of tasks (if needed)
  - Approval of ERA4CS reports (for the European Commission, for specific stakeholders, for the general public)
  - Adjustment of budget for WPs and Tasks (≈3M€, i.e. ≈4% of total budget) (if needed)
  - Consent on dissemination activities
  - Approval of new partners joining ERA4CS (if needed)
  - Appointment of a new coordinator in case of vacancy or low performance
- Depending on the amendments proposed, such items as consortium agreement amendments or budget distribution modifications could also affect the split between the two groups. For such aspects that would affect this split, there will be a specific voting procedure defined in the Consortium Agreement to ensure equilibrium between the two groups.

- The GA will meet at least once a year. The first meeting will be for the kick-off of the ERANET in early 2016. A second meeting could take place as early as end of 2016 if decisions are needed at the end of the call process.

### **Executive Board (EB)**

- The EB will be composed of the Coordinator and the Work Package leaders
- The EB will supervise the work made by the Coordinating Unit (CU) and will report to the GA. It will help the Coordinator supervise the WPs and tasks and ensure coherence of the ERA-NET as a whole, with its call, its additional activities and the interactions between the two.
- The EB will meet regularly, either physically or virtually depending on the needs.
- If useful, the Task leaders could be invited to specific meetings of the EB.

### **Coordination unit (CU)**

- The CU will be constituted at ANR by the ERA4CS coordinator, the project manager and the financial & administrative officer, as well as the JCS.
- The CU will continuously support the GA, the JCS, the WP leaders and all other partners of ERA4CS in fulfilling their duties according to the proposed work plan.
- The CU will be supervised by the EB.
- The Coordinator together with the project manager will be responsible for the day-to-day operational management and the financial & administrative officer will provide the executive and financial advice support.
- In general, the Coordinator is responsible for the overall timely management of the ERA-NET project, comprising the content of the work plan, the finances and the administration.
- The Coordinator makes sure that all relevant information is provided to the GA in a timely fashion.
- In case of problems (e.g. delays in and/or low quality of deliveries) the Coordinator will analyse the situation with the EB and suggest corrective actions. If needed, decision will be iterated with the GA.

### **JPI Climate Transdisciplinary Advisory Board (TAB)**

- It is an already existing structure in the context of the JPI Climate. It consists of national and international members from academia and from relevant stakeholder groups.
- Where relevant, this TAB will be complemented by representatives of [Copernicus Climate Change Service](#), [Climate-KIC Adaptation Service](#) and [ClimateAdapt](#).
- The TAB will bring an independent vision of stakeholders on developments and new challenges on Climate Services.
- Discussion points specific to this ERA-NET will be added to the pre-existing regular TAB meetings
- Coordinating with JPI Climate Central Secretariat, these meetings could be in conjunction with annual GA meetings, where important strategic decisions will be made (see Figure 4).
- For specific purposes, the TAB will be consulted for evaluation or assessment aspects. For example, the TAB can propose experts to the JCS for the SEC.

### **Joint Call Secretariat (JCS)**

- The JCS, part of the Coordination Unit at ANR (see above), will be in charge of coordinating the preparation and evaluation of the joint call (WP2, WP3, WP4).
- The coordinator will monitor all actions taken by the JCS, within the CU.
- The implementation will be streamlined according to the documents and lessons learned from the 2013 JPI Climate Call, but adapted to the specificities of the co-funded call by the CMB within WP2 and the KMB within WP3.
- The JCS will be careful to separate information on the cash topic and on the in-kind topic, and to avoid conflicts of interest during the preparation of the call, the evaluation and the funding of the projects.

### Cash Management Board (CMB)

- It is composed of:
  - one representative per each RFO member of the consortium taking part in the call,
  - if relevant, a representative for each of the additional cash partners outside the consortium which may join the call.
- Before the first CMB meeting, a more specific “confidentiality agreement” will be settled and signed by each of its members.
- Similar to the GA decisions, agreements shall usually be reached by consensus and, if not possible, voting mechanisms will be decided at the first CMB meeting (one vote per consortium partner, simple majority principle, ...)
- For the Cash Topic, the CMB will adapt the specific call documents based on the information prepared by the JCS, check the eligibility of proposals at both steps and make the funding decisions
- The CMB will propose experts for the SEC to the JCS.

### In-Kind Management Board (KMB)

- For the in-kind topic of the co-funded Call, the decisions will be taken by the In-Kind Management Board (KMB)
- It is composed of:
  - One representative per each RPO member of the consortium taking part in the call
  - A representative for each of the additional partners outside the consortium which may join the call without top-up funding from the EC.
- Before the first KMB meeting, a more specific “confidentiality agreement” will be settled and signed by each of its members.
- Similar to the GA decisions, agreements shall usually be reached by consensus and, if not possible, voting mechanisms will be decided at the first KMB meeting (one vote per consortium partner, simple majority principle, ...)
- For the in-kind topic, the KMB will adapt the specific call documents based on the information prepared by the JCS and check the eligibility of the proposals at both steps
- The KMB will not propose experts for the SEC to the JCS, to avoid conflicts of interest

### Scientific Evaluation Committee (SEC)

- The SEC is an independent committee of experts to evaluate ERA4CS co-funded projects
- The SEC will be established under the responsibility of the JCS with the help of the specific Task leader (Task 4.2)
- The JCS will take all lawful steps to ensure confidentiality of information and documents obtained during the evaluation and selection procedures of the joint call.

**Table 7: List of milestones**

Milestone number	Milestone name	Related work package(s)	Estimated date	Means of verification
1	Scoping workshop	3	1	In-kind topic published
7	Workshop from task 7.4	7	12	Report of the meeting published
2	Publication of the list of co-funded projects on the website	4, 6	15	List of funded projects published and report sent to EC
3	Delivery of the monitoring tool	5	15	Tool “up and running”

Milestone number	Milestone name	Related work package(s)	Estimated date	Means of verification
4	Kick-off meeting of the co-funded projects	5, 6	18	Report of the meeting published
8	Guidelines and framework for co-alignment activities	8	30	Report published
5	Refined list of monitoring indicators	5	36	Online publication
9	Strengthening of the framework partnership between JPIs relevant to CS	8	36	
6	Final conference of the co-funded projects	5, 6	54	Report of the meeting published

### 3.2.2 Risk assessment

The ERA4CS project, aiming at European collaboration between national RFOs and RPOs, carries potential risks as encountered in previous ERA-NETs or in any other international project that gathers national administrations with different goals and cultures. Based on the experience of JPI Climate and taking into account further enlargement of the consortium, we attempt to describe below the possible problems that may occur during the course of ERA4CS and envision contingency plans to overcome these problems in Table 8.

Overall, the ERACS programme is structured to be able to face the various implementation risks:

1. The structure of ERA4CS is built to optimize communication between partners. This will be done with support of the Coordination Unit (CU), which will identify difficulties and/or pitfalls through day-to-day contacts with the partners and regular conference calls to personalize the contacts and assess progress of the work plan.
2. Main ERA4CS RFO members have already successfully collaborated for the last 5 years within JPI Climate, and have carried out in 2013 and 2015 joint transnational calls, including international cooperation with the Belmont Forum. Furthermore, a number of ERA4CS RPO members have already successfully collaborated in different research consortia as well as in Fast Track Activities or within the Management Board and Work Groups of JPI Climate.
3. JPI Climate has a strong tradition of consensus-oriented collaboration and most of the ERA4CS partners have a large experience with successful network management, as most of them are also actively involved in other ERA-NETs and have established over the years organizational, administrative and scientific links with other research funding agencies/ministries that work in the field of climate research.
4. The role and responsibilities are spread between a number of RFOs and RPOs from various countries. Wherever possible, two co-leaders were identified for a WP or a task, increasing governance resilience in case of departure or incapacity of people over the course of this 5-year project.

**Table 8: Critical implementation risks**

<b>Description of risk</b>	<b>Work package(s) involved</b>	<b>Proposed risk-mitigation measures</b>	<b>Final risk rating</b>
National financial bottlenecks for funding joint research projects	4	<ul style="list-style-type: none"> <li>• Earmarked national budgets</li> <li>• Increase of national budget and/or negotiations with successful applicants</li> <li>• Cash topic specific safeguards defined by CMB</li> <li>• In-kind topic specific safeguards defined by KMB</li> </ul>	Low
Withdrawal of a partner	All	<ul style="list-style-type: none"> <li>• Experience of the Coordinator in mediation</li> <li>• In case of WP leader or task leader withdrawal: Substitution by another partner as WP and task leading are often shared by several partners</li> <li>• Strong commitment from the partners</li> </ul>	Low
Withdrawal of a partner after official announcement of call to the research community	4-6	<ul style="list-style-type: none"> <li>• A consortium agreement will be set up</li> <li>• A Memorandum of Understanding will be set up</li> </ul>	Low
Failure of one or more partners to do the expected work or to observe deadlines	All	<ul style="list-style-type: none"> <li>• WP content and tasks designed by the partners, and dates for deliverables chosen to be as feasible as possible with regard to the workload</li> <li>• Other partners may take over a part of the work upon agreement of the decision-making body</li> <li>• Experience of Coordinator to overcome difficulties to deliver work package results</li> <li>• Previous experience of WP and task leaders to work together</li> <li>• Careful monitoring of WP work by the Executive Board</li> </ul>	Low
Misuse of resources	All	<ul style="list-style-type: none"> <li>• Most partners' institutions are equipped with internal financial accounting and auditing office, which manages several EC budgets</li> <li>• Quality and reputation of partners' institutions (all public bodies)</li> <li>• Regular audit expenditure</li> <li>• Experience of the institutions</li> </ul>	Low
Incapacitation or departure of Coordinator	1, 4, 7, 8	<ul style="list-style-type: none"> <li>• High quality of the Executive Board with possibility of an interim by another RFO WP leader</li> <li>• Replacement of the coordinator by a representative of a partner</li> <li>• Strong commitment of the Coordinator</li> </ul>	Low
Cash and in-kind topic separation	2,3,4	<ul style="list-style-type: none"> <li>• See on Table 4 the summary of processes and interactions between actors to be managed by the CU/JCS to insure a clear separation between cash and in-kind topics of the co-funded call</li> </ul>	Low

### **3.3 Consortium as a whole**

The ERA4CS project has been built to extend and strengthen the transnational cooperation on climate service research funding. It comprises 41 full partners, from 16 countries, and gathers most of the major European and European-Associated research funding organisations as well as research performing organisations interested in climate services. A significant number of partners are members of the JPI Climate Governing Board or have been engaged within the various Working Groups of the JPI Climate since 2011. Three countries, not members of JPI Climate, are also involved in ERA4CS Consortium (Romania, Greece and Portugal), while contact with others Eastern countries is on-going to enlarge the consortium (e.g. Bulgaria, Poland).

ERA4CS partners have participated in the elaboration of this proposal and taken responsibilities matching their expertise and their potential commitment. They have agreed on the scientific and technical objectives of ERA4CS and will work together to produce results of quality, which will contribute to facilitate climate-smart decision-making and to build a large and sustainable transnational research funding programme on climate services. Furthermore, [JPI Climate governance principles](#) (Sustainability, Stakeholder orientation, Adaptability, Transparency, Cost efficiency), already agreed by partners member of JPI Climate, will be applied whenever possible in the context of ERA4CS.

The consortium will be a driving force for the development of national and transnational strategies for research on climate services. ERA4CS constitutes a unique consortium linking research funding organisations and research performing organisations from 16 European and Associated countries on a collaborative research programme entirely dedicated to research for climate services. Main RFO and RPO members are leading organizations that fund, manage, implement or perform research programmes in the field of climate. All have skills on international cooperation (e.g. bi-lateral, multi-lateral), and all participate into numerous international and European initiatives that match their national strategic issues on research. The combination of RFOs and RPOs expertise in one consortium is a major strength of ERA4CS. Another strength of the consortium lies in the previous commitments of RFOs to collaborate in the joint call of JPI Climate and the significant commitment that most of the organisations have already made during the preparation phase of this application to participate to the ERA4CS co-funded joint transnational call. These commitments have been essential for the building of the present application.

### **3.4 Resources to be committed**



**Table 9: Summary of national/regional call contributions**

<b>Part. nb</b>	<b>Short name</b>	<b>(a) Initial national call contribution [€]</b>	<b>(b) indicative possible additional national call contribution (optional) [€]</b>	<b>(c) Requested EU Contribution [€]</b>	<b>Minimum total call budget [€] (a + c)</b>	<b>Maximum total call budget [€] (a + b + c)</b>
1	ANR	4 000 000,0	1 000 000,0	1 957 316,1	5 957 316,1	6 957 316,1
2	BMFWF	320 000,0	80 000,0	156 585,3	476 585,3	556 585,3
3	BELSPO	500 000,0	500 000,0	244 664,6	744 664,6	1 244 664,6
4	DLR	8 000 000,0	2 000 000,0	3 914 632,5	11 914 632,5	13 914 632,5
5	IFD	800 000,0	200 000,0	391 463,3	1 191 463,3	1 391 463,3
6	MINECO	400 000,0	100 000,0	195 731,6	595 731,6	695 731,6
7	EPA	500 000,0	300 000,0	244 664,6	744 664,6	1 044 664,6
8	NWO	1 360 000,0	340 000,0	665 487,6	2 025 487,6	2 365 487,6
9	RCN	2 000 000,0	500 000,0	978 658,2	2 978 658,2	3 478 658,2
10	FCT	320 000,0	80 000,0	156 585,3	476 585,3	556 585,3
11	UEFISCDI	400 000,0	100 000,0	195 731,6	595 731,6	695 731,6
12	FORMAS	1 600 000,0	400 000,0	782 926,6	2 382 926,6	2 782 926,6
13	UNIGRAZ	149 325,0	76 925,0	73 069,3	222 394,3	299 319,3
14	RMI	478 500,0	246 500,0	234 143,8	712 643,8	959 143,8
15	AWI	165 000,0	85 000,0	80 739,3	245 739,3	330 739,3
16	HZG	5 197 500,0	2 677 500,0	2 543 287,7	7 740 787,7	10 418 287,7
17	DMI	825 000,0	425 000,0	403 696,6	1 228 696,6	1 653 696,6
18	AEMET	825 000,0	425 000,0	403 696,6	1 228 696,6	1 653 696,6
19	BSC	2 475 000,0	1 275 000,0	1 211 089,4	3 686 089,4	4 961 089,4
20	CSIC	1 320 000,0	680 000,0	645 914,2	1 965 914,2	2 645 914,2
21	UC-IHC	1 875 000,0	625 000,0	917 492,0	2 792 492,0	3 417 492,0
22	URV-C3	594 000,0	306 000,0	290 661,6	884 661,6	1 190 661,6
23	FMI	2 475 000,0	1 275 000,0	1 211 089,4	3 686 089,4	4 961 089,4
24	SYKE	247 500,0	127 500,0	121 108,8	368 608,8	496 108,8
25	BRGM	330 000,0	170 000,0	161 478,6	491 478,6	661 478,6
26	CEA	330 000,0	170 000,0	161 478,6	491 478,6	661 478,6
27	CNRS	1 188 000,0	612 000,0	581 322,7	1 769 322,7	2 381 322,7
28	IGN	684 750,0	352 750,0	335 068,1	1 019 818,1	1 372 568,1
29	INRA	1 435 500,0	739 500,0	702 431,9	2 137 931,9	2 877 431,9
30	Météo-France	825 000,0	425 000,0	403 696,6	1 228 696,6	1 653 696,6
31	NCSRD	450 000,0	300 000,0	220 197,9	670 197,9	970 197,9
32	Met Eireann	412 500,0	212 500,0	201 848,1	614 348,1	826 848,1
33	CMCC	1 650 000,0	850 000,0	807 392,8	2 457 392,8	3 307 392,8
34	CNR-DTA	1 650 000,0	850 000,0	807 392,8	2 457 392,8	3 307 392,8
35	KNMI	625 000,0	625 000,0	305 830,8	930 830,8	1 555 830,8
36	MET Norway	825 000,0	425 000,0	403 696,6	1 228 696,6	1 653 696,6
37	Meteo-Ro	123 750,0	63 750,0	60 554,4	184 304,4	248 054,4
38	SMHI	825 000,0	425 000,0	403 696,6	1 228 696,6	1 653 696,6
39	UREAD	990 000,0	510 000,0	484 435,9	1 474 435,9	1 984 435,9
40	MetOffice	330 000,0	170 000,0	161 478,6	491 478,6	661 478,6
41	NERC	0,0	0,0	0,0	0,0	0,0
<b>Total</b>		<b>49 501 325,0</b>	<b>20 724 925,0</b>	<b>24 222 437,5</b>	<b>73 723 762,5</b>	<b>94 448 687,5</b>



**Table 10: Summary of work package participation and number of years with coordination costs**

Participant number	Short name	Participation in WP								Number of years for which coordination costs are declared on the basis of unit costs
		A. Co-funded call and management						B. Additional activities		
		WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8	
1	ANR	Y	Y	N	Y	Y	Y	Y	Y	5
2	BMWFW	N	Y	N	Y	N	N	Y	Y	5
3	BELSPO	Y	Y	N	Y	Y	Y	Y	Y	5
4	DLR	N	Y	N	Y	N	N	Y	Y	5
5	IFD	N	Y	N	Y	Y	N	Y	N	5
6	MINECO	N	Y	N	Y	N	N	Y	Y	5
7	EPA	N	Y	N	Y	Y	N	Y	N	5
8	NWO	N	Y	N	Y	N	N	Y	N	5
9	RCN	N	Y	N	Y	N	N	Y	N	5
10	FCT	N	Y	N	Y	N	N	Y	N	5
11	UEFISCDI	N	Y	N	Y	Y	N	Y	N	5
12	FORMAS	N	Y	N	Y	N	N	Y	N	5
13	UNIGRAZ	N	N	Y	Y	N	N	N	N	N/A
14	RMI	N	N	Y	Y	N	N	N	N	N/A
15	AWI	N	N	Y	Y	N	N	N	N	N/A
16	HZG	N	N	Y	Y	N	N	Y	Y	N/A
17	DMI	N	N	Y	Y	N	N	N	N	N/A
18	AEMET	N	N	Y	Y	Y	Y	Y	N	N/A
19	BSC	N	N	Y	Y	Y	Y	N	N	N/A
20	CSIC	N	N	Y	Y	N	N	N	N	N/A
21	UC-IHC	N	N	Y	Y	N	N	N	Y	N/A
22	URV-C3	N	N	Y	Y	N	Y	N	N	N/A
23	FMI	N	N	Y	Y	Y	Y	Y	N	N/A
24	SYKE	N	N	Y	Y	Y	N	N	N	N/A
25	BRGM	N	N	Y	Y	Y	Y	N	N	N/A
26	CEA	N	N	Y	Y	N	N	N	N	N/A
27	CNRS	N	N	Y	Y	N	N	N	Y	N/A
28	IGN	N	N	Y	Y	N	N	N	N	N/A
29	INRA	N	N	Y	Y	N	N	N	N	N/A
30	Météo-France	N	N	Y	Y	N	N	N	N	N/A
31	NCSRD	N	N	Y	Y	N	N	N	N	N/A
32	Met Eireann	N	N	Y	Y	N	N	N	N	N/A
33	CMCC	N	N	Y	Y	Y	Y	Y	Y	N/A
34	CNR-DTA	N	N	Y	Y	Y	Y	N	N	N/A
35	KNMI	N	N	Y	Y	N	N	Y	N	N/A
36	MET Norway	N	N	Y	Y	N	N	N	N	N/A
37	Meteo-Ro	N	N	Y	Y	N	N	N	N	N/A
38	SMHI	N	N	Y	Y	N	N	N	N	N/A
39	UREAD	N	N	Y	Y	N	Y	N	N	N/A
40	MetOffice	N	N	Y	Y	N	N	Y	N	N/A
41	NERC	N	N	N	N	N	N	Y	Y	5
Total										65

## Section 4: Members of the consortium

### 4.1. Participants (applicants)

**Table 4.1: Description of participants and participating programmes**

<b>Name of organisation</b>	<b>Agence Nationale de la Recherche</b>		
<b>Short name</b>	ANR	<b>Country</b>	France
<b>Brief description of the legal entity</b>			
<p>The French National Research Agency (ANR) was established by the French government in 2005 to fund research projects, based on competitive schemes giving researchers the best opportunities to carry out their projects and paving the way for ground-breaking new knowledge. The main mission of ANR is to fund the best basic research, but also targeted and applied research in particular through partnerships between companies and public sector laboratories. Its action is thus intended to support French research excellence at both academic and technological levels by means of a rigorous selection process based on evaluation by peer review. Since 2014, ANR's annual Work Programme is developed in coordination with the "France Europe 2020" Strategic Agenda presented by the Minister for Higher Education and Research. In the context of these annual Work Programmes, ANR funds all scientific fields, for both fundamental and industrial research, including European and international cooperation.</p> <p>Since 2010, ANR has also been the principal operator of the "Investments for the Future" programme in the field of higher education and research. In this role it ensures the selection, funding and monitoring of projects relating to the centers of excellence, health, biotechnologies, and the transfer of technology and the creation of value from research. Finally, it is also the ANR's mission to strengthen international cooperation by contributing in particular to the funding of international consortia in partnership with other funding agencies in Europe and beyond :</p> <p><a href="http://www.agence-nationale-recherche.fr/en/international-cooperation/">http://www.agence-nationale-recherche.fr/en/international-cooperation/</a></p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p> <p>Developing European and international collaborations is one of the priorities of ANR. ANR has participated or is participating in the following multi-national initiatives:</p> <ul style="list-style-type: none"> <li>- 35 ERA-NET and CSA from FP7 including 4 ERA-NET that ANR is currently coordinating (CHIST-ERA II, EuroNanoMed II, Infect-ERA and FLAG-ERA);</li> <li>- 8 ERA-NET Cofund and CSA from H2020, including 1 Cofund that ANR is currently coordinating (E-Rare 3)</li> <li>- 8 out of the 10 JPIs, including JPI Water chaired by ANR and JPI Climate co-</li> </ul>			

chaired by ANR.

- the article 185 AAL “Ambient Assisted Living”
- [numerous bi- and multi-lateral collaborations](#).

In the context of climate research, ANR has funded research projects through thematic programmes (2006-2008 “Vulnerability: Environment, Climate & Societies”; 2009-2011 “Global Environmental Changes & Societies”; 2012-2013 “Facing Societal, Climate & Environmental Changes”), as well as through its Blue Sky programme since 2005. Since 2014, climate-related issues are addressed mostly through the ANR Societal Challenge “Efficient resource management and adaptation to climate change”.

Between 2005 and 2014, some 300 research projects related to climate research have been funded with a budget circa 150 M€. At the transnational level, ANR has participated in Belmont Forum joint calls (yearly from 2012 to 2015) and has initiated the first calls of JPI Climate in 2013 as call secretariat, then again in 2015 through a joint Belmont Forum-JPI Climate call.

**Main tasks** attributed the proposed action and the previous experience relevant to those tasks

ANR will be the coordinator of ERA4CS. It will be leader of WP1 (coordination), WP4 (call evaluation) and also of WP7 (joint analysis and vision of research for CS). Of course, it will be involved in all work packages to order to make sure the various actions are carried out according to plan or adapted if needed.

In addition to the information above, the “Environment, Biological Resources, Ecology, Earth Science and Astronomy” Department of ANR is currently participating in two ERA-NET Cofund programmes: BiodivERsA3 where we will be leading the call work packages and FACCE SURPLUS.

**Short profile of staff member(s) who will be undertaking the work**

**Dr Patrick Monfray** is Deputy Head of “Environment, Biological Resources, Ecology, Earth Science and Astronomy” Department at ANR. CNRS Research Director, he developed in the 1990’s French WMO atmospheric CO2 monitoring network and innovative coupled climate-carbon simulations, now a reference for IPCC. He co-founded the Integrated Marine Biogeochemistry and Ecosystem Research within ICSU/IGBP and SCOR. In the 2000’s, he headed the Laboratory of Space Geophysics and Oceanography (Toulouse), then the Ocean-Atmosphere Department at CNRS/INSU (Paris), supervising 30 French laboratories. In 2010, he joined ANR to supervise the global environmental change programmes. He is vice-chair of JPI Climate since 2013, and also co-chair of Belmont Forum from 2012 to 2015. He is the Coordinator of this ERANET Cofund programme and will be assisted in doing so by the following people at ANR:

**Dr Chloé Deygout** is a scientific project manager at ANR in the “Environment, Biological Resources, Ecology, Earth Science and Astronomy” Department since 2012. She obtained her PhD in theoretical ecology in 2009 from AgroParisTech and then worked 2 years as a research fellow at Inria. She is following the national part of the global environmental change programmes at ANR mentioned above. Among other things, she was also following the 2 FLASH programmes launched by ANR following the 2010 earthquake in Haiti (involving the 2 main Haitian universities) and the 2011 NaTech disaster in Japan (bilateral programme with JST, the Japan Science and Technology Agency) and contributed to both final symposiums in Haiti (2014) and Japan (2013). She was deeply involved during the preparation of this ERANET Cofund programme and will contribute in the operational coordination of ERA4CS.

**Dr Johann Muller** is a scientific project manager at ANR in the “Environment, Biological Resources, Ecology, Earth Science and Astronomy” Department since 2012. He obtained his PhD in Environmental Sciences in 2010 from Paris VI University and then worked as project officer for the Group of Ecological Engineering Actors. He is following the international part of the global environmental change programmes at ANR, in particular the calls of the Belmont Forum since 2012 and of JPI Climate 2013. He has robust experience to manage Join Call Secretariat, including call documentation, set-up and follow-up of both steering and scientific committees, up to the research projects funding. He has in particular developed the Collaborative Research Action Handbook to document the processes of international joint calls of Belmont Forum, now adapted to 2013 and 2015 JPI Climate calls.

**Mrs Dalar Hamon-Arslanyan** has joined ANR in February 2015 as administrative & financial officer for ERA-NETs projects. She graduated in European Project Management in 2006 and has been working since then as administrative and financial research project manager at Inria (France’s public research organization dedicated to computational sciences). She currently assists the scientific project managers and coordinators at ANR for the administrative and financial management of ERA-NETs projects.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

No maximum amount of financial support is defined under ANR’s national funding rules. The initial amount for call contribution will be 4 M€.

Does the participant envisage that part of its work is performed by a linked third party	N
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Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	Y
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Patrick Monfray is seconded at 80% from CNRS to ANR against payment.

<b>Name of organisation</b>	Federal Ministry of Science, Research and Economics		
<b>Short name</b>	BMWFW	<b>Country</b>	Austria
<b>Brief description of the legal entity</b>			
The Federal Ministry of Science, Research and Economy (BMWFW) creates the best possible framework for enterprises and represents at international levels the interests of Austria as a business location. One of the main objectives is to accelerate structural change by actively supporting research, technology and innovation.			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			Y
Programme Manager			N
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
International cooperation			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>BMWFW supports the development of climate services and relevant products especially on the national but also on the international level by facilitating (European) cooperation of Austrian research facilities. Therefore the BMWFW will be actively involved in WP2 of this proposal in order to develop the cash call.</p> <p>BMWFW supports the installation and development of the Climate Change Centre Austria (CCCA) with focus on its Service centre as knowledge broker between science and end-users by basic and project related funding. The CCCA with its head of the Service Centre Matthias Themessl is actively involved in JPI "Climate" working group 2 on Climate Services as Austrian representative and has contributed to the proposed Fast Track Activities of "Mapping climate services in Europe" as well as of "Mapping of user requirements: what do we know and what not".</p> <p>At an international level, BMWFW is involved e.g. in the Belmont Forum and GEO and has taken a leading role in the European JPI Climate Joint Call for Transnational Collaborative Research Projects JPI Call on Societal Transformation in the Face of Climate Change, open in 2013.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p>Dr. Irene Gabriel holds a Ph.D. in Biology from the University of Vienna and a Masters of Business Administration from Arizona State University, USA. She has longtime experience in Climate Change Research policy, strategy and funding issues and is in charge of Climate Change Research at the Austrian Ministry for Science, Research and Economy. Among others, she leads the Austrian delegation to the Programme Committee of Challenge 5 in Horizon 2020, is a member of the Governing Board of JPI CLIMATE and a member of the Belmont Forum and IGFA.</p> <p>Mag. Dr. Matthias Themessl is head of the Service Centre of the climate change centre Austria (CCCA) with emphasis on interfacing and facilitating knowledge exchange between science and end-user such as decision makers and the society in general. He holds a master degree in environmental system sciences with emphasis on physical geography and</p>			

<p>a PhD in geophysics with focus on regional climate modelling using statistical models. He worked in various national as well as international projects on climate modelling and climate impacts assessments. He is the Austrian representative in module 2 "Researching Climate Service Development and Deployment" of the joint programming initiative "Climate".</p>	
<p>Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.</p>	
<p>No maximum amount of financial support is defined under BMWF's national funding rules. The amount for call contribution is 400.000 €.</p>	
<p>Does the participant envisage that part of its work is performed by a linked third party.</p>	<p>N</p>
<p>Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)</p>	
<p>The climate change centre Austria (CCCA) is the Austrian alliance of climate change research institution. Founded in 2011, the CCCA counts 23 members and envisions strengthening the Austrian climate research community, to facilitate the education of a new generation of researchers, to support knowledge transfer and to advise society and decision makers.</p> <p>Founded in May 2012, the CCCA with its secretariat and Service Centre are strongly involved in international research coordination activities as the Joint Programming Initiative "Climate", national research activities (e.g. assessing the costs of inaction – called COIN <a href="http://coin.ccca.at">http://coin.ccca.at</a> – for Austria) and the organisation of the annual Austrian climate day conference or regional workshops. The CCCA Service Center is administered by University of Graz.</p> <p>The CCCA will support the BMWF in fulfilling the tasks within this ERA Net on Climate Services, especially in WP2 developing the cash call, all required management and coordination work along with this ERA Net as well as in coordinating the proposed additional activities co-aligning the national as well JPI "Climate" related activities with the ERA Net objectives and activities.</p>	

<b>Name of organisation</b>	Public Planning Service Science Policy		
<b>Short name</b>	BELSPO	<b>Country</b>	Belgium
<b>Brief description of the legal entity</b>			
BELSPO is a federal administration that is responsible for the preparation and implementation of research programmes in several fields (fundamental research, sustainable development, social cohesion, information society, space technology...). Furthermore, it is also responsible for 10 Research Institutions. BELSPO manages an annual budget of over 520 million euro.			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
BELSPO launched in 2012 the first phase of a recurrent framework programme for research called Belgian Research Action through Interdisciplinary Networks (BRAIN-be). This framework programme allows through the funding of research projects based on scientific excellence and European and international anchorage to meet the needs for scientific knowledge of the federal departments and to support the scientific potential of the Federal Scientific Institutions. BELSPO is also partner in several other ERA-Nes and JPIs such as JPI Connecting Climate Knowledge for Europe.			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p><b>Frederik De Bruyn:</b> Engagement as task leaders for <b>Task 4.8</b> and <b>Task 5.4</b>. BELSPO has a solid experience with evaluation of call procedures and project assessment. Moreover, BELSPO was recently ISO9001 certified, ensuring standardized procedures.</p> <p><b>Petra Manderscheid:</b> Engagement as Work Package leader for WP 6 . BELSPO has a solid experience in communication and dissemination activities in similar European projects like the BIODIVERSA ERA-Nets.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p>Frederik De Bruyn has a master's degree in Bio-engineering sciences and holds a PhD in applied life sciences. He currently works as manager of the Research Programmes at BELSPO, in particular those related to geosystems, universe and climate.</p> <p>Petra Manderscheid has a master degree in social and economic administration and has previous work experience in European research politics as well as communication experience in the private sector. She is currently in charge of JPI "Climate Knowledge for Europe" affairs at BELSPO.</p>			
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.			
No maximum amount of financial support is defined under BELSPO's national funding rules. The initial amount for call contribution will be 500 000 €.			
Does the participant envisage that part of its work is performed by a linked third party?			<b>N</b>

Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)?	Y
The Royal Meteorological Institute of Belgium (RMI) is a scientific institute, engaged in meteorology carrying out scientific research in the field of climate, meteorological satellites, radars and ICT- programs. The RMI will make resources available to fulfil tasks in WP5 and WP6 by means of persons seconded to BELSPO against payment.	



<b>Name of organisation</b>	<b>Deutsches Zentrum für Luft- und Raumfahrt e.V.</b>		
<b>Short name</b>	DLR	<b>Country</b>	Germany
<b>Brief description of the legal entity</b>			
<p>The German Aerospace Center DLR is a non-governmental, non-profit German Research Organization. Its Project Management Agency, DLR, is mandated by the Federal Ministry of Education and Research (BMBF) and other ministries with regard to implementation and management of governmental programs for research funding. DLR has specialized on services promoting research, innovation and education. The agency currently manages 8 764 projects and above 1.1 billion € of research funds (2013). Being a trustee for the funding budget, DLR administers, with a staff of over 870, approximately 650 million € p.a. on its own authority. Fields covered - amongst others – are environment, life sciences, information technology, and education.</p> <p>DLR's department "Environment, Culture, Sustainability" is managing research programs in global change research for BMBF, administering a total of more than 215 Mio € and 1 500 projects annually in several governmental programs aiming at fostering research-infrastructure as well as internationally competitive research. Focal areas are Climate Change, Land Management and Urban Development. International tasks include a. o. supporting BMBF regarding UN-Conventions, participating in JPIs and ERA-nets, as well as hosting the German IPCC and IPBES coordination unit.</p> <p>The quality of the work of DLR, an equal opportunity employer with more than 50 % scientist, is certified according to ISO 9002 standards.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner			
<b>Federal Ministry of Education and Research (BMBF)</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>DLR is involved in a wide array of activities of the BMBF Research Framework Program "Research for Sustainability", FONA, related to biodiversity, climate change, sustainable land and water management, social-ecological research, economics for sustainability, as well as European and international cooperation.</p> <p>FONA integrates the entire research process from basic research to application. Its main objectives by 2020 are:</p> <ul style="list-style-type: none"> <li>• Achieve ambitious national climate protection goals</li> <li>• Transform energy sector: increase share of renewable energies, double energy productivity</li> <li>• Double resource productivity, reduce rate of land consumption to 30 hectares per day</li> <li>• Stop worldwide loss of biodiversity, preserve ecosystem functions and services</li> </ul> <p>Understanding and shaping social change in terms of sustainable development</p> <p>DLR has participated in several ERA-nets, including co-funded ones under H2020, e.g. TRANSSCAN, JP-CofuND, E-RARE, HERA, BiodivERsA3. Within the field of Climate</p>			

Change it has played a major role in the EU FP7 ERA-net CIRCLE 1/2 on “Climate Impact Research and Response Coordination for a larger Europe” (2005-2014) with 34 partners.

During the last 5 years DLR has to a large extent been involved in building up and establishing the Joint Programming Initiative “Connecting Climate Knowledge for Europe” (JPI-Climate) with 14 partners. This includes running the Central Secretariat, providing coordination of and participation in the CSA, and being part of the Management Committee of JPI Climate. Furthermore DLR has been chairing JPI Climate WG2 and CSA task 2.2. on “Researching and Advancing Climate Services Development” since the very beginning of JPI Climate.

**Main tasks** attributed the proposed action and the previous experience relevant to those tasks

DLR aims to be WP-leader of WP2 (Preparation and launch of the co-funded call – cash topic) and as such be part of all of the WP2 tasks. A large experience could be gained on the topic of Climate Services at DLR within the last 5 years, while chairing the respective JPI Climate Working Group and CSA task. This will help finalizing the call topic. Beyond that DLR is involved in the corresponding WPs in other H2020 Co-fund ERA-nets already. Furthermore DLR intends to participate in WP 4 (Proposal submission, evaluation and selection of the co-funded call) to the extent at which all partners will be involved. Regarding additional activities DLR intends to lead the WP “Evaluation of JPI Climate activities related to Climate Services “and as such evaluate, continue and extend the work currently undertaken by JPI Climate WG2. DLR intends also to take part in the additional activities on international cooperation, as they have established a lot of international contacts already in the field of Climate Services within the framework of JPI Climate WG2 (e.g. GFCS, CSP, ECSP, Copernicus...).

**Short profile of staff member(s) who will be undertaking the work**

**Dr. Dagmar Bley** studied Geography, Agriculture and Informatics at Free University and Technical University of Berlin. She holds a Diploma in Geography and a PhD in natural sciences. After finishing her PhD she joined for 8 years a large consulting engineering company in the fields of water management and ecology as group leader. During the last 13 years Dagmar has worked in science administration with a focus on environmental sciences. Since 2007 she is working at DLR supporting BMBF in developing concepts for international cooperation in the fields of Water Research and Climate Research. Dagmar has been involved in JPI Climate from the very beginning on (since 2007). She is spokesperson of the JPI-Climate WG 2 on Climate Services and member of the Management Committee of JPI Climate. Furthermore she is leading task 2.2. “Researching and advancing climate service development” of the JPI Climate CSA and acts as member of the advisory board for the FP7 Project ClipC.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

No maximum amount of financial support to a third party is defined. Call contribution will be maximum 10 Mio € from BMBF.

Does the participant envisage that part of its work is performed by a linked third party.	N
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Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
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<b>Name of organisation</b>	Innovation Fund Denmark		
<b>Short name</b>	IFD	<b>Country</b>	Denmark
<b>Brief description of the legal entity</b>			
Innovation Fund Denmark invests in promoting and realizing ideas, knowledge and technology creating value for Denmark. Entrepreneurship, collaboration and an international perspective ensure that ideas, knowledge and technology develop into viable companies and innovative solutions for the benefit of society			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>IFD has a Programme on Sustainable Energy and Environment. The programme funds projects within:</p> <ul style="list-style-type: none"> <li>• Research, development and commercialisation of sustainable energy and environmentally sustainable and innovative energy solutions.</li> <li>• Knowledge that secure efficient utilisation of investments in energy system correlations</li> <li>• Energy technologies that contribute to the reduction of the impact on climate changes</li> <li>• Research and development with in energy infrastructure</li> <li>• Solutions for societal-, regulatory-, behavioural- and market-related conditions both as individual projects or as part of other projects</li> <li>• Research, development and commercialisation which can lead to application of competitive environmental technologies and solutions.</li> <li>• Optimisation of adaptation to climate changes</li> <li>• Resource utilisation, reuse of waste and waste products from households and other sectors</li> <li>• Research and development which can contribute to a strengthened monitoring-, surveillance- and mapping technologies, and improved evaluation tools.</li> </ul> <p>IFD participates in several initiatives, in relation to this ERA-net the following can be mentioned:</p> <ul style="list-style-type: none"> <li>• Joint Programming Initiatives: JPI Climate, JPI Water, FACCE – JPI, JPI-Oceans, JPI-Urban Europe</li> <li>• ERA-NETs: WaterWorks2014, COFASP, FACCE – ERA-NET+, FACCE – ERA-NET cofund, ICT-AGRI, ERA-MBT</li> <li>• BONUS</li> </ul>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
IFD expect to lead/co-lead Work Package 2 and participate in Work Packages 4, 5 and 7 (in particular IFD will co-lead task 7.5). Participation in these tasks is supported by the experience of this institution in the above mentioned initiatives.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			

**Anitha K Sharma** is Scientific officer at the Danish Innovation Foundation, where she deals with the Programme on Sustainable Energy, Environment and Climate. Currently she is the Danish GB member in two JPI's: JPI Water and JPI Climate. She is an environmental engineer and has a Ph.D. degree.

**Anja Skjoldborg Hansen** is Chief Consultant at the Danish Centre for Environment and Energy (DCE) at Aarhus University. Where she works with research strategy and external funding within the areas of environment, climate, nature and energy. She serves as the national expert for IFD on the Governing Board of JPI Climate. And she has been appointed to participate on behalf of IFD in the ERA-net on Climate Services.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

Contribution to the Call: 1,000,000 €

Does the participant envisage that part of its work is performed by a linked third party.

Y

Anja Skjoldborg Hansen is chief consultant at Aarhus University, and serves as the national expert for IFD on the Governing Board of JPI Climate. She will work as leader/co-leader of WP2 in the ERA-net working under instructions by IFD.

Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)

N

<b>Name of organisation</b>	<b>Ministerio de Economía y Competitividad. Secretaría de Estado de Investigación, Desarrollo e Innovación Ministry of Economy and Competitiveness</b>		
<b>Short name</b>	MINECO	<b>Country</b>	SPAIN
<b>Brief description of the legal entity</b>			
<p>The Ministry of Economy and Competitiveness, MINECO, has the competences on scientific/technical research, development and innovation, and constitutes today the main actor in the Spanish national landscape of R&amp;D funding.</p> <p>The State Plan constitutes the instrument to pursue the completion of public policies on RDI and is addressed to agents responsible of a) carrying out RDI activities, b) management of RDI activities, and c) RDI services providers. All different players of the national RDI arena (public research centres, technological centres and platforms, stake-holders, enterprises and businesses associations, social agents, etc.) participated on its elaboration. Its design considers the big challenges and opportunities addressed by EU and Member State policies in Horizon 2020.</p> <p>The State Plan revolves around four national programmes (State Program For The Promotion Of Talent And Its Employability, State Programme For The Promotion Of The Excellence On Scientific And Technical Research, State Programme Of Enterprise Leadership On RDI, State Programme On RDI Oriented To The Societal Challenges) that are in turn deployed in a total of 18 sub-programmes developed according to the thematic focus and nature of RDI activities. The grant of public funding follows a competitive process in which the selection of proposals is made according to scientific/technical criteria and, that being the case, according also to the technological, corporative and commercial feasibility of the proposals. These assessments are driven through transparent standardized proceedings based on peer review evaluations.</p> <p>The Directorate General for Scientific and Technical Research is in charge of most part of national calls for grants (DGICT). Beyond its national commitment MINECO also holds a devoted unit, (under de DGICT) for international project management, having been an active promoter of the European Research Area since its beginnings.</p> <p>To date MINECO has participated in 40 ERA-NETs investing more than 28.6 M€ in joint transnational calls.</p>			
<b>Identification of the role:</b>			
<b>Programme Owner and Manager</b>			<b>Y</b>
Programme Owner			N
Programme Manager			N
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p> <p>The <i>State Programme for the Promotion/Development of Scientific-technical Research of Excellence</i> pursues, through competitive and not thematically oriented calls, the generation of scientific knowledge and the development of emerging technologies. This programme has a special emphasis on international collaboration and on infrastructure and equipment acquisition.</p> <p>Within this frame programme, the <i>State Sub-programme for Knowledge Generation</i> aims at the promotion of basic research projects and other initiatives which objectives represent a meaningful advance in new approaches and methodologies of transversal and basic nature.</p>			

Additionally, The *State Programme for RDI oriented to the Societal Challenges* pursues i) to stimulate the generation of a critical mass of interdisciplinary and multisectorial RDI; ii) the promotion of a close relation between the scientific/technical research, the development of new technologies and the implementation of new ideas and techniques ; iii) the reinforcement of the international leading capacity of the Spanish RDI system and its agents, contributing to empower the business network ; iv) to articulate the capacities on RDI and the instruments to develop in depth a joint programming with other regional, national and international bodies.

Within this frame programme, the objective of the *Challenge Of Actions Upon Climate Change And Efficiency In The Use Of Resources And Raw Materials* is to promote the generation of scientific knowledge on the causes and effects of the Climate Change, including processes and mechanisms of interaction among the oceanic, ground and atmospheric systems.

**Main tasks** attributed the proposed action and the previous experience relevant to those tasks

In the present action, the MINECO will participate in the WP9, Co-alignment of national activities.

**Previous experience:**

In the framework of the BiodivERsA2 project, MINECO has led the task 2.4 conducting an analysis of the European biodiversity landscape of research infrastructures and aiming ultimately at the development of a strategy for cooperation with and integration of research infrastructures in BiodivERsA research programmes.

Within the current BiodivERsA3 proposal MINECO holds a leading role in Task 1.2, the link with national and European research infrastructures for biodiversity and ecosystem services. The objective of this task is exploring how the additional joint calls planned in BiodivERsA3, i.e. without EC top-up, could promote the use of existing research infrastructures.

**Short profile of staff member(s) who will be undertaking the work**

**Dr. Estrella Fernández García**

Dr. Fernández got his PhD in Chemistry at the Universidad Autónoma de Madrid in 1990. Since December 2011, she has been Deputy Director Assistant of International Projects at the Ministry of Economy Competitiveness. She was Deputy Director Assistant of International Programmes since 2010 and had other responsibilities in the former Ministry of Science and Innovation, mainly related with the management of scientific projects of the ERA-Net scheme, and as representative in International Organizations at the European and International level, such as OECD and the ESF.

Dr. Fernández has research experience in the area of Food Technology at the Institute of Agricultural and Food Research and Technology (INIA) and at the Research Council (CSIC).

**Dr. Esteban Manrique Reol**

Esteban Manrique Reol is CSIC Research Professor at the National Museum of Natural Sciences of the Spanish Research Council, Madrid. PhD from the Autonomous University of Madrid (1979), he did postdoctoral stages at the Universities of Newcastle Upon Tyne (UK), Free University (Berlin) and Riverside University (USA). His research interests focus on physiological and functional plant ecology, air pollution effects on plants and soil, and community dynamics. Centered mainly on Mediterranean environments and Sierra Nevada in Spain. Author of over 70 research articles, reviews, and divulgation papers, he is responsible for several research projects, is reviewer for scientific journals. Regular

member of panels in the Spanish Ministry of Science (MINECO, MICINN, MICYT, MEC), he is secretary of the DIVERSTAS Spanish Committee.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
No maximum amount of financial support to a third party is defined. Call contribution will be 500 000 €.	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>Environmental Protection Agency</b>		
<b>Short name</b>	EPA	<b>Country</b>	Ireland
<b>Brief description of the legal entity</b>			
The Environmental Protection Agency (EPA) ensures that Ireland's environment is protected. It monitors changes in environmental trends to detect early warning signs of neglect of deterioration. The Agency is an independent public body with a wide range of functions and responsibilities including environmental research development.			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
JPI-Climate Topic 1 Societal Transformation in the Face of Climate Change EPA Research Programme JPI-Water EIONET Circle1 and Circle 2 FP7			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
The EPA has statutory responsibility for funding, management and coordination of research on environmental topics in Ireland. EPA Research provides essential scientific support for environmental policy development, implementation and broader decision making. EPA Research has provided integrated solutions for many of the complex environmental challenges facing Ireland. EPA Research is built around 3 pillars: climate; water and; sustainability.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p><b>Dr Frank McGovern</b>, leads the Climate Change research programme for the Environmental Protection Agency, Ireland. He has a Ph.D. in atmospheric physics and has significant research experience in the areas of climate change and air pollution. He joined the EPA in 2000. He is a regular delegate to the Intergovernmental Panel on Climate Change (IPCC) and meetings of the UN Framework Convention on Climate Change (UNFCCC) and a member of JPI Climate Governing Board.</p> <p><b>Dr Margaret Desmond</b> has a PhD in geography and has been working on climate change adaptation since 2008. She is currently working as a climate change research specialist (Research Fellow) for the EPA research Programme. She is active at national, EU and international levels on climate change impacts and adaptation.</p>			
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.			
No maximum amount for financial support under national rules. Approximate maximum call contribution €500k			
Does the participant envisage that part of its work is performed by a linked			Y



third party.	
Met Eireann, official weather and climate service of Ireland, will provide support to the EPA in the technical and scientific aspects of the call process, evaluation and review.	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	Y
Met Eireann, official weather and climate service of Ireland, will contribution expertise, data and analytic support to EPA and projects.	

<b>Name of organisation</b>	<b>Netherlands Organization for Scientific Research</b>		
<b>Short name</b>	NWO	<b>Country</b>	The Netherlands
<b>Brief description of the legal entity</b>			
<p>The Netherlands Organisation for Scientific Research (NWO) is the national research council of the Netherlands. Funded by the Ministry of Education, Culture and Science, NWO is responsible for prioritising research topics and for setting-up and implementing grant schemes in a wide variety of funding schemes and programmes. The agency funds over a thousand new multi-annual research proposals, initiating interdisciplinary, thematic research programmes in co-operation with public agencies and the private sector.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p> <p>NWO Social Sciences has ample experience and specific expertise in the Management and Support of European programmes, for example in the ERA-NET NORFACE. NWO is dedicated to enhancing and facilitating international cooperation by strengthening European research cooperation, in particular by actively contributing to European partnerships. NWO Social Sciences has been actively involved in multiple European programmes such as ERA-NETs (Coordinator of NORFACE II), CSA's (Coordinator of BOOST and the Transatlantic Platform), JPI's (JPI Climate and Call Secretariat JPI Urban Europe) and the ESFRI initiatives ESS and SHARE.</p> <p>The ERA-NET Climate Services action will be embedded in the national knowledge and innovation programme on water and climate (NKKW). The programme involves the private and public sectors, as well as knowledge institutes, pooling their knowledge and innovation skills in order to make the Netherlands water-robust and climate-proof.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>NWO Social Sciences will in particular be responsible for the composition of the Evaluation Panel of the cash call. NWO Social Sciences has a lot of experience in coordinating joint international activities and in conducting Call Secretariats. At the moment NWO Social Sciences is coordinator of the ERA-NET NORFACE, the CSA BOOST and the Transatlantic Platform. In the former three Call for Proposals of JPI Urban Europe and NORFACE, NWO served as the Call Secretariat and therefore has a lot of experience with evaluation procedures and with establishing an Evaluation Panel.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p>Dr. Renée van Kessel-Hagesteijn is the Director of the NWO Division for the Social Sciences, Director of WOTRO Science for Global Development NWO, Managing Director of the National Initiative on Brain &amp; Cognition NWO, and Coordinator of the ERANET NORFACE and JPI Urban Europe. She is currently working on and responsible for: initiating, supporting, and managing bilateral and multilateral research programmes, networks and other activities nationally; within Europe; Trans-Atlantic; with Emerging Science Nations; and with developing countries. She is also involved in the co-ordination for scientific assessment procedures, evaluation, fund raising, setting-up and public-private partnerships</p>			

<p>Ms. Wieske Bressers is policy officer at NWO Social Sciences. She participated in initiatives on national, European and international level and has been responsible for setting-up and coordinating (inter)national research programmes, such as the first call of the JPI Climate. She also assists the coordinator in running the JPI Urban Europe programmes.</p>	
<p>Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.</p>	
<p>A maximum amount of M€ 1.7 will be dedicated to the ERA-NET Climate Services Action. National funding rules according to the contract with the VSNU (<a href="http://www.nwo.nl/contractvsnu">www.nwo.nl/contractvsnu</a>) apply. The budget for a maximum period of three years may not exceed k€ 250 (in case of co-funding by a potential user of research results a maximum of k€ 500 is allowed). Eligible applicants are Dutch Universities, Universities of Applied Sciences and Research and Technology Organizations.</p>	
<p>Does the participant envisage that part of its work is performed by a linked third parties.</p>	<p>N</p>
<p>Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)</p>	
<p>N</p>	

<b>Name of organisation</b>	<b>The Research Council of Norway</b>		
<b>Short name</b>	RCN	<b>Country</b>	Norway
<b>Brief description of the legal entity</b>			
<p>The Research Council of Norway (RCN) is Norway's official body for development and implementation of the national research strategy. It is responsible for enhancing Norway's knowledge base and for promoting basic and applied research and innovation in order to help meeting research needs within the society. They also work actively to encourage international research cooperation.</p> <p>They have three central areas of focus:</p> <ul style="list-style-type: none"> <li>• Serving as an advisory body on research policy issues, identifies research needs and recommends national priorities</li> <li>• Translation of national research policy objectives into action through establishment and implementation of targeted funding schemes</li> <li>• Serve as meeting place for researchers, funders and users of research findings, as well as for the different sectors and subject fields that are affiliated with the world of research</li> </ul>			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p> <p>Torill E. Skaugen, special advisor at the Research Council of Norway (RCN) is the national coordinator in Norway. She is the national programme coordinator of JPI Climate. She is involved in Working Group 1 and 2. She takes part in the JPI Climate/Belmont Forum call "Climate Predictability and Inter Regional Linkage" on behalf of the RCN.</p> <p>Torill E. Skaugen took part in on behalf of the RCN in the "Call for Proposals on Arctic Observing and Research for Sustainability" – 2014.</p> <p><u>Large-scale Programme on Climate Research (KLIMAFORSK), RCN.</u></p> <p>Torill E. Skaugen is involved in the Large Scale Programme on Climate research, KLIMAFORSK. She takes part in national calls and give advice regarding climate system and climate information in general.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>The RCN will not take a lead in the WPs/Tasks of this proposal. We will contribute to WP4, WP7 and WP9.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p>Brita Slettemark, special adviser at the research Council of Norway. Working as a program-coordinator for the Norwegian large scale research programme on climate change: <a href="#">KLIMAFORSK</a></p>			

Eivind Hoff-Elimari, special adviser at the research Council of Norway. He is involved in the Large Scale Programme on Climate research, KLIMAFORSK. He participates in JPI Climate Working Group 3. He has been involved in several calls for proposals on societal transformation in light of climate change.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
Allocated funds from the RCN cannot exceed 700 k Euro per selected project.	
Does the participant envisage that part of its work is performed by a linked third party.	N
The third party has to be eligible for funding from the RCN. The list of Norwegian institutions is available from RCNs webpages <a href="http://rcn.no">http://rcn.no</a> .	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>Fundação para a Ciência e a Tecnologia</b>		
<b>Short name</b>	FCT	<b>Country</b>	Portugal
<b>Brief description of the legal entity</b>			
<p>Fundação para a Ciência e a Tecnologia (Foundation for Science and Technology) is the national funding agency for science, technology and innovation, in all scientific and technological domains, under the responsibility of the Ministry for Education and Science. FCT pursues its mission by funding fellowships, studentships and research contracts for scientists, research projects, internationally competitive research centres and state-of-the-art infrastructures, via competitive calls with international peer-review. FCT ensures Portugal's participation in international scientific organisations, fosters the participation of the scientific community in international projects and promotes knowledge transfer between R&amp;D centres and industry. Working closely with international organisations, FCT coordinates public policy for the Information and Knowledge Society in Portugal and ensures the development of national scientific computing resources. FCT also provides the institutional framework for the Research Councils.</p> <p>FCT's budget encompasses funds from the Portuguese state budget and European structural funds. For 2014, FCT has a budget of circa €436 million for direct investment in science (this figure does not yet include structural funds from the current European programme, which are under negotiation with the European Commission). Funding is structured around the following schemes: Graduate Education and Career Development (studentships, fellowships and contracts), R&amp;D Projects (in all scientific domains), R&amp;D Centres (Associate Laboratories, R&amp;D Units), International cooperation (bilateral cooperation, membership of international organisations and international partnerships) and Others (includes <i>Science, Technology and Society Network</i>, Information Society, B-on, Support for Scientific Community Fund and Public Understanding of Science).</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p> <p><b>Research programme:</b></p> <p>The national call for scientific research and technological development projects in all scientific domains, launched every year, aims at promoting growth, reinforcement and consolidation of the National Scientific and Technological System in order to make it more competitive at national and international levels and encourage the transfer of scientific knowledge and technological innovation to the productive field.</p> <p>FCT also runs thematic programs under cooperation protocols with other organizations, like Massachusetts Institute of Technology (MIT)-Portugal Program in engineering systems, Carnegie Mellon University (CMU)-Portugal program in ICT, University of Texas at Austin (UT Austin)-Portugal program for emerging technologies, the International Iberian Nanotechnology Laboratory in collaboration with Spain, etc.</p> <p>Given the development of the National Strategy of Research and Innovation for Smart Specialization 2014-2020, it is foreseen in the upcoming years the creation and implementation of thematic R&amp;I funding programs in the strategic scientific and</p>			

technological areas such as new materials and raw materials.

**Previous experience and participation:**

Since FP6, FCT has experience in coordinated actions at transnational level and has participated in more than 60 FP6/FP7 ERA-NETs, 3 FP7 ERA-NETs plus and 6 H2020 ERANET (COFUND). In particular, it has been playing an active role in ERA-NETs given an international dimension of the European Research Area with Africa (FP7 ERAfrica), India (FP7 New INDIGO, FP7 Inno Indigo), Latin America (FP6 EULANEST and FP7 ERANet-LAC) and Mediterranean region (FP7 ERANETMED).

FCT is an active member at Strategic Forum for International STI Cooperation and participating actively on FP7 projects which promotes the EU-Africa S&T cooperation, the INCO-NET CAAST-NET, and the EU-Latin America S&T cooperation, the INCO-NET ALCUE-NET.

FCT is also an active member in OECD, UNESCO, CREST, COST, IBEROEKA (under CYTED multilateral program), EUREKA, AAL, EDCTP and EUROSTARS (Article 185°), 3 Joint Programming Initiatives (JPND, Water JPI, JPI Oceans and JPI Cultural Heritage) and 3 Joint Technology Initiatives: ARTEMIS, ENIAC and EXCEL(Article 187°). At bilateral level, FCT has strong inter-ministerial agreements with several African countries, such as Algeria, Morocco, Tunisia, Mozambique, Angola and also with other countries such as Argentina, Brazil, China and India.

FCT has produced “*The Analysis of the Portuguese Research and Innovation System*” as a contribution to the design of the “*Portuguese National Strategy of Research and Innovation for Smart Specialisation 2014-2020*”, articulating national and regional levels.

**Main tasks** attributed the proposed action and the previous experience relevant to those tasks

**Previous experience:**

- FCT was a partner and task leader in FP6 CIRCLE and FP7 CIRCLE 2 (2010-2014) in “Adaptation to Climate Change” and have participated in the CIRCLE-MED Joint Call 2013.

**Short profile of staff member(s) who will be undertaking the work**

**Dina Carrilho** holds a graduation in Chemistry (1993), a M.Sc. in Biochemical Engineering (1997) and a Ph.D in Agronomic Engineering (2007). Between 2001 and 2009 she has had short-term appointments as Assistant Professor in 4 Portuguese academic institutions and did a 2-years post-doc at the Institute for Chemical and Biological Technology, New University of Lisbon. Since 2009, she has worked as scientific officer at the Department of International Relations for initiatives and instruments of the European Research Area as leader for design, evaluation and implementation of joint calls, including the joint call secretariat, for mapping/benchmarking of funding programmes, international cooperation with countries outside Europe, namely 16 European FP6/FP7 ERA-NET /ERA-NET Plus/CSA projects: 8 in the NMP field, 5 in the environment field (FP7 SEAS-ERA, FP6 AMPERA, FP6 MARINERA, **FP6 CIRCLE and FP7 CIRCLE-2**), 1 in energy field and 2 in S&T international cooperation: with Latin America (FP6 EULANEST) and with technologically advanced countries in raw materials field (H2020 INTRAW). Until 2012, she has been representing Portugal in the Public Authorities Board of the two JTI (ARTEMIS JU and ENIAC JU) and managing the calls for proposals with EC co-funding at national level. In late 2013, she has contributed as co-author for the strategic documents in materials/raw materials and marine economy thematic areas under the development of the Portuguese National Strategy of Research and Innovation for Smart Specialisation 2014-2020.

**Ana Paula Castro** has a degree in Economics, a Master in International Cooperation and Development and experience in the financial Management of international/FP6/FP7 projects. She will be the financial officer at FCT for this project and other H2020 funded projects.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
The preliminary budget is 400.000 € for the co-funded call in cash.	
Does the participant envisage that part of its work is performed by linked third parties	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N



<b>Name of organisation</b>	<b>Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii</b> <b>(Executive Agency for Higher Education, Research, Development and Innovation Funding)</b>		
<b>Short name</b>	UEFISCDI	<b>Country</b>	Romania
<b>Brief description of the legal entity</b>			
The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI) is a public entity of the Central Administration under the ultimate authority of Ministry of Education and Research. UEFISCDI reached the current status in July 2010, through GO nr.62/1999, approved with amendments by Law 74/2010 and GEO nr.150/2000 by merging three organizations with responsibilities for the management and administration of various programs in the fields of higher education, research, development and innovation: Executive Agency for Higher Education and Research Funding (UEFISCSU), National Centre for Programme Management (CNMP), Management Agency for Research, Innovation and Technology Transfer (AMCSIT).			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner <b>Ministry of Education and Research</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
UEFISCDI was assigned by the Ministry of Education and Research to manage the following programs of the National Plan for Research, Development and Innovation: Human Resources (exploratory research), Ideas (exploratory research), Partnerships in Priority S&T Areas (applied research), Innovation (innovation and technology transfer), Capacities (R&D Infrastructures).			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>UEFISCDI has the necessary scientific and administrative capabilities to develop and implement activities in ACT project within Horizon 2020 by adding valuable inputs to each task and deliverable. A great part of UEFISCDI activity is based on development of new strategies and procedures for management and implementation of new R&amp;I oriented programs. Another pillar of our activity is based on design and monitoring the selection process of R&amp;I funding programs with regards to end-user implementation of projects, outputs and expected outcomes. Regarding transnational calls for proposals UEFISCDI implements ERA-NETs, JTIs and EUREKA – EUROSTARS programs.</p> <p>Based on this wide experience we developed an IT platform that includes all stages of program management from publication of the call to the evaluation, selection, monitoring and follow-up.</p> <p>The program management platform can be customized for any financial mechanism available and uses cutting-edge hardware in order to facilitate high user traffic. In the last two years, UEFISCDI evaluated over 4000 proposals, with 2500 international evaluators.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
Nicoleta DUMITRACHE graduated from the Faculty of Letters (2002) and has been involved in the implementation of several European Projects under FP6 and FP7. In 2005 she joined the National Centre for Programme Management as a Project Officer for projects in IT. Since 2010 she is a Head of Department of management and administration of thematic research programmes - Partnerships in S&T priority domains Programme within UEFISCDI.			
Please specify the maximum amount of financial support to a third party and the criteria for			

determining the exact amount under national funding rules.	
500.000 EUR call contribution	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning		
<b>Short name</b>	FORMAS	<b>Country</b>	Sweden
<b>Brief description of the legal entity</b>			
<p>FORMAS, the Swedish Research Council for Environment, Agricultural Sciences and spatial Planning, is a governmental research-funding agency under the Ministry of Environment; it is also related to other ministries, especially the Ministry of Enterprise and Innovation. FORMAS encourages and supports scientifically excellent and societally relevant research of importance for sustainable development within its areas of responsibility. These are environment, agricultural sciences and spatial planning. Funded research covers a wide range of approaches from basic research to more applied efforts. FORMAS research funding is primarily bottom-up, but inter- and transdisciplinary research is encouraged. The council also provides mechanisms for communication of research results and stimulates the public debate on issues of concern, originating from or related to research for sustainable development. FORMAS has shared responsibility for Swedish contacts with different EU programs under the 7<sup>th</sup> Framework Programme and now Horizon 2020 (especially SC2 and 5). The council also represents Sweden in several IEA programs and annexes, and promotes Nordic research co-operation within its areas of responsibility. It is also the Swedish representative at the International Institute for Applied System Analysis (IIASA). FORMAS is current member of several ERA-nets, of BONUS, FACCE-JPI, JPI Climate, JPI Oceans and JPI Urban Europe and with observer status in Water JPI. The total annual research budget is around 100 million Euros. FORMAS funds all scientific domains of climate research and the main funding instrument is FORMAS annual open call, which is a bottom up call.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			Y
Programme Owner			N
Programme Manager			N
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p> <p>FORMAS programme for international collaboration funds research and development projects within all areas of Formas responsibility, including climate research. The main objective of the programme is to support and initiate collaborations between Swedish and international scientists through participation in EU partnership programs as well as other international research programs.</p> <p>It has funded FORMAS participation in a range of ERA-nets and JPIs, e.g. CIRCLE1 &amp; 2, Era Net Snowman (Snowman Network), Biodiversa1&amp;2, JPI Climate, FACCE JPI and others.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
FORMAS will particularly contribute to work packages WP2 and WP4. FORMAS has experience from participation in many ERA-NET calls.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
Linda Bergqvist Ampel (Under employment contract), Senior Research Officer at Formas (PhD in Quaternary Geology). Main area of responsibility is funding of climate research.			
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.			

Contribution to the call 2 000 000 €.	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>University of Graz, Wegener Center for Climate and Global Change</b>		
<b>Short name</b>	UNIGRAZ	<b>Country</b>	Austria
<b>Brief description of the legal entity</b>			
<p>The University of Graz, which was founded in 1585, is Austria's second oldest university and one of the largest in the country. Many excellent scientists, amongst them six Nobel laureates, have taught and researched here.</p> <p>With 32,500 students and 4,000 employees the University of Graz contributes significantly to the vibrant life of the Styrian capital. Its location in Europe encourages a lively scientific, economic and cultural exchange with South-East Europe, from which not only the city benefits, but also its educational institutions.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
<p>In case you are a Programme Manager, please name the respective Programme Owner  <b>Austrian Federal Ministry of Science, Research and Economics.</b>          However, due to the autonomy of universities in Austria, Austrian universities are authorised to act as Programme Owner</p>			
<b>Identify and describe the research programme(s) with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>The Wegener Center for Climate and Global Change (WEGC) is an internationally recognised institute of the University of Graz (UNIGRAZ) working in the field of climate change research. Its embedded Regional and Local Climate Modelling and Analysis research group (ReLoClim; <a href="http://wegcenter.uni-graz.at/relocim">wegcenter.uni-graz.at/relocim</a>) investigates regional and local scale climate processes and their changes due to globally changing climate conditions, conducts regional and local scale climate modelling applications, and works on the interfaces to climate change impact research. Most relevant activities are listed below:</p> <p>EURO-CORDEX (<a href="http://www.euro-cordex.net">www.euro-cordex.net</a>) – non-funded initiative of the World Climate Research Programme; UNIGRAZ acts as co-coordinator and provides climate simulations</p> <p>ACQWA (<a href="http://www.acqwa.ch">www.acqwa.ch</a>) – EU-FP7 project (number 212250), UNIGRAZ contributes by simulating extreme precipitation events on convection-permitting scale and by developing an objective model selection method.</p> <p>IMPACT2C – EU-FP7 project (number 282746), UNIGRAZ is responsible for providing user-tailored climate data (including extremes) and for uncertainty in climate change impact assessment.</p> <p>ARANGE (<a href="http://www.arange-project.eu">www.arange-project.eu</a>) – EU-FP7 project (number 289437), UNIGRAZ is responsible for providing ensemble-based climate data and for uncertainty in climate change impact relevant for forest management.</p> <p>NHCM-2 (<a href="http://www.nhcm-2.eu">www.nhcm-2.eu</a>) – research project, funded by the Austrian Science Fund (FWF) (ID P 24758-N29); UNIGRAZ investigates the performance of convection permitting climate simulations in the European Alpine region.</p> <p>relic:century and reclip:century-II – regional climate modelling projects in the Alpine region funded by the Austrian “Klima- und Energiefonds” (numbers A760437 and A963768); UNIGRAZ conducted climate simulations covering the Alpine region with 10 km grid spacing until 2100.</p> <p>HighEnd:Extremes – is funded by the Austrian “Klima- und Energiefonds” (number B368608) and investigates the effects of high end global warming on extreme precipitation events and user relevant climate indices in the Alpine region by means of a small multi-model ensemble approach consisting of first convection-permitting long-term climate simulations.</p>			

<p>CHC-FloodS – is funded by the Austrian “Klima- und Energiefonds” (number B368584) and aims at developing a coupled climate/hydrology modelling system on catchment scale.</p> <p>Klimaszenarien AT – is funded by the Austrian Government and develops bias corrected climate projections until 2100 covering the Austrian territory on a 1 km grid from available EURO-CORDEX simulations. Climate change analyses (including uncertainty) are properly prepared for stakeholders, politicians, and decision makers as well as for the general public. The climate projections will be promoted by the upcoming call of the “Klima- und Energiefonds”.</p>	
<p><b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks</p>	
<p>UNIGRAZ will contribute to WP3 in order to develop the in-kind topic.</p>	
<p><b>Short profile of staff member(s) who will be undertaking the work</b></p>	
<p>1) Heimo Truhetz, Interim Head of ReLoClim, Senior Scientist, received a PhD in Physics in 2010 at the University of Graz and since then he is Vice Head of the ReLoClim research group. His research focus lies on high resolution regional climate modelling and model validation/evaluation, analysis of climate processes, interfaces between climate and hydrological models and climate change in the European Alpine region. He gained deep climate modelling experience and management skills during numerous national and international (EU FP7) research projects and is principal investigator of the projects NHCM-2 and HighEnd:Extremes. At the moment, his position is purely third party funded, however the position is planned to be covered by the budget of UNIGRAZ from 2016 onwards (according budget plans of the faculty, led by Prof. Dr. Barbara Gasteiger-Klicpera, are already fixed).</p> <p>2) N.N., Ass. Prof., this position is currently vacant, but it will be filled by end of April 2015. According to the job offer, the successful candidate is experienced in regional and local climate modelling as well as in climate change uncertainty and risk analysis.</p>	
<p>Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.</p>	
<p>N/A</p>	
<p>Does the participant envisage that part of its work is performed by a linked third party.</p>	<p>N</p>
<p>Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)</p>	
<p>N</p>	

<b>Name of organisation</b>	Royal Meteorological Institute of Belgium		
<b>Short name</b>	RMI	<b>Country</b>	Belgium
<b>Brief description of the legal entity</b>			
The Royal Meteorological Institute of Belgium (RMI) is one of the federal scientific institutes of Belgium. It has the leading role in providing weather and climate services, but it is also the main Belgian focal point for scientific research in meteorology and climatology. About 200 persons in total work at RMI, at the site in Uccle and in Dourbes.			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner <b>Belgian Science Policy office</b> As a federal Institute, RMI can act also as programme owner.			
<b>Identify and describe the research programme(s) with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>This project will take place in the department of the Meteorological and Climatological Research of the Royal Meteorological Institute. The research in this department is mostly focused on numerical modelling (upper-air, the surface interactions, hydrological processes, and model output statistics and data assimilation), fundamental research and impact studies (climate and extreme weather). Currently there are 23 scientists active in this department. The department has a very strong link with the other departments of the RMI, in particular department Operational Services, where many of the developments in the research department are implemented operationally. The RMI has a long-standing expertise in delivering services to end users for weather and climate; both in operational weather forecasting and for ad-hoc specific demands. Since 2011 it is making an increased effort to create Belgian climate services. Department II has been active over the past 5 years in the following projects that are funded by BELSPO and relevant for this project:</p> <ul style="list-style-type: none"> <li>• Participation in SSD and BRAIN projects: CCI-HYDR, FORBIO-climate, ECORISK, MASC, MERINOVA, PREDANTAR, STOCHCLIM, CORDEX.be.</li> <li>• Participation in ERA-ENVHEALTH project: ACCEPTED</li> <li>• Former BELSPO Action 1 projects: IPD (1/1/2007-31/12/2013), ASSIMDYN (1/1/2007-30/6/2011), FOCUS (1/1/2008-30/11/2011), MODERR (1/1/2009-31/12/2012), GLAMEPS (1/1/2010-31/12/2013).</li> <li>• One former BELSPO action 2 project (PhD): IMPCLIM (2012-2016).</li> <li>• Projects for an additional researcher: FOCUS2 (1/10/2009-30/9/2010), MODDYN (1/10/2011-30/9/2012)</li> </ul> <p>The department II regularly carries out specific studies on demand by the Flemish, Walloon region, the Brussels Capital Area, and by private companies.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Provide local information on climate change impact on urban infrastructures. Previous experience relevant to these tasks: <b>CORDEX.be, 1/3/2015-28/2/2017:</b> The goal of this project is to combine existing and new Belgian research activities in the domain of climate modelling to create a coherent scientific basis for climate services in Belgium, funded by the Belgian Science Policy (BELSPO). <b>MASC, 1/04/2014-31/12/2017:</b> The overall objective of this project is to study the feedbacks			

between climate changes and land surface changes in order to improve regional climate model projections at the decennial scale over Belgium and Western Europe and thus to provide better climate projections and climate change evaluation tools to policy makers, stakeholders and the scientific community.

**MERINOVA, 1/6/2012—31/5/2016:** Meteorological risks as drivers of environmental innovation in agro-ecosystem management, funded by the Belgian Science Policy (BELSPO). RMI is responsible for the work packages including extreme value analysis on climate change impacts on agriculture.

#### **Short profile of staff member(s) who will be undertaking the work**

##### **Rafiq HAMDİ (100%)**

Civil engineer in meteorology in June 2000 at Météo-France (Toulouse, France). Master Degree (DEA) at Catholic University of Louvain (Belgium) in June 2002, followed by a PhD in 2005 at the Institut d'Astronomie et de Géophysique G. Lemaître in the field of urban meteorology. Since December 2005, he is working at the research department of the Royal Meteorological Institute of Belgium. He is a member of the international ALADIN consortium that develops the atmospheric ALARO model used for both weather prediction and regional climate modelling. He is a member of the international Association for Urban Climate (IAUC) and also a member of the Urban Climate Change Research Network (UCCRN). He is also a member of the expert team on surface processes within the Short-Range Numerical Weather Prediction Programme (SRNWP). Since October 2014, he is a guest lecturer (10%) at UGent university, for the subject Surface Modelling in numerical weather prediction. His main interests are: regional climate modelling, surface modelling, urban meteorology, the urban climate under global warming and interaction surface/atmosphere. He has (co)-authored 30 peer reviewed publications.

##### **Hans VAN DE VYVER (100%)**

Hans Van de Vyver obtained a Master in Mathematics (option: pure mathematics) in 1997 at UGent, Belgium. Later on, he was research assistant at the Department of Applied Mathematics, Informatics and Statistics of UGent (2000-2003), and the Department of Mathematics of KULeuven, Belgium (2005-2006). In 2006, he obtained his PhD at KULeuven, with the thesis entitled Runge-Kutta type Methods for Periodical Initial Value Problems. His first contact with geosciences was in 2007, during a one-year post-doc at VUB, Belgium, where he modelled Antarctic ice sheet and grounding line migration. He finally joined the Royal Meteorological Institute of Belgium in November 2007. During the first year, he was involved in the HSAF-project, which belongs to the EUMETSAT network of satellite application facilities. He was mainly in charge with the validation of satellite derived rainfall products. His present position (from 2008) is researcher in statistical modelling of extreme values, with environmental applications. His current research interests are statistics of hydrological extremes, spatial extremes, droughts, trend analysis of climate extremes and future climate extremes. He is guest lecturer at VUB, for the subject Natural Hazards (Prof. dr. M. Kervyn). He has 34 articles in peer-reviewed international journals.

##### **Alex DECKMYN (5%)**

Alex Deckmyn obtained a PhD in theoretical physics at KULeuven in 1994. Since 2000 he is a member of the numerical modelling team of RMI. His past and present research includes data assimilation, ensemble prediction systems (EPS) and dynamical downscaling for local climatology. He is a core member of the development team of the European-wide ensemble system GLAMEPS. He teaches a course on predictability in weather models at UGent University. He has 11 articles in peer-reviewed international journals.

##### **Piet TERMONIA (5%)**

Piet Termonia is the Head (acting) of the Meteorological and Climatological Research Department of the RMI. He has a background in theoretical physics (PhD in 1997 at KULeuven) and switched to meteorology in 1999. He became head of the Hydrometeorological Modelling Unit in 2008 and head of the department in 2010. He is currently leading the international ALADIN consortium as the Program Manager. He is the chair of the educational committee of the postgraduate program Weather and Climate



Modelling in the Department of Physics and Astronomy at UGent University, where he is guest professor (10%). He is a member of several international advisory and steering committees. He has (co)-authored 38 peer reviewed publications.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	<b>N</b>
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	<b>N</b>

<b>Name of organisation</b>	<b>Alfred Wegener Institut Helmholtz Zentrum für Polar- und Meeresforschung</b>		
<b>Short name</b>	AWI	<b>Country</b>	Germany
<b>Brief description of the legal entity</b>			
<p><b>The Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI)</b> is one of the world's leading polar and marine research organisations and delivers significant contributions to the international research on climate, marine and coastal issues. It coordinates the German polar research within an international framework and provides the national and international science community with polar and marine infrastructure. The AWI was established as a public foundation in 1980. It belongs to the Helmholtz Association, Germany's largest scientific organization. The AWI is the central German research facility for the Polar Regions. It is the National manager and implementation agency of the National German Arctic and Antarctic Programme. It has the following tasks at the national level mandated by the German Federal Government:</p> <ol style="list-style-type: none"> <li>1. To conduct research in both polar regions, mainly in the area of multidisciplinary environmental research</li> <li>2. To support other German polar researchers</li> <li>3. To manage and coordinate all German polar research activities</li> <li>4. To advise the German government in all matters concerning the polar regions</li> </ol> <p>The scientists at the AWI investigate complex natural systems in collaboration with national and international partners, using modern tools and equipment. The goal of their work is to decipher the status and the variations of the global environment and the earth system from a marine and polar perspective. In situ observations combined with model analyses are the basis for their scientific work to elucidate natural processes and changes. The AWI forecasts future trends in order to derive recommendations for action. In doing so, it delivers a valuable service to securing the future of our society. The AWI communicates intensively with decision makers and the general public.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager		N	
Programme Owner		N	
Programme Manager		Y	
In case you are a Programme Manager, please name the respective Programme Owner <b>Federal Ministry of Education and Research (BMBF)</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p>Climate office for polar regions and sea level rise</p> <p>AWI operates a climate office since 2008 in order to facilitate and enhance the collection, dissemination, and use of valuable information from the institute's many climate-related polar research topics for the benefit of a wide national and international audience, such as public officials and organizations, corporations, and private citizens. This is especially</p>			

important given that climate change and variability has emerged as a major public policy issue over the last decade, particularly with regard to impacts in sectors where the economic, social/cultural, and public health consequences are large. Furthermore the Research Topic within the research program PACES II “Research in Science-Stakeholder Interaction” and all scientists there are possible members for taking part in concrete call.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	No
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	No

<b>Name of organisation</b>	<b>Helmholtz-Zentrum Geesthacht, Zentrum für Material und Küstenforschung GmbH</b>		
<b>Short name</b>	HZG	<b>Country</b>	Germany
<b>Brief description of the legal entity</b>			
<p>The <i>Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH</i> (HZG) is one of 18 members of the Helmholtz Association of German Research Centres, Germany's largest science organisation. HZG is located in Geesthacht near Hamburg with branches in Teltow near Berlin and in Hamburg, with a total staff of approximately 900 employees, including about 650 scientists, engineers and technicians. HZG comprises four research institutes – among them the Institute of Coastal Research - and the German Climate Service Centre 2.0 (CS2.0). The latter synthesizes the latest results of the climate and environment-related research conducted in the world to provide concrete information to stakeholders in Germany and beyond. The Institute of Coastal Research operates the <i>Norddeutsches Klimabüro</i> with the key objective to make climate research results applicable in a regional context in Northern Germany. Both CS2.0 and <i>Norddeutsches Klimabüro</i> are closely embedded in the <i>Earth and Environment</i> research field of the Helmholtz Association.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner: <b>Federal Ministry of Education and Research (BMBF)</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>The goal of the HGF research programme Earth and Environment is to understand the System Earth to ensure that our home planet remains ecologically stable and the climate equilibrium is not knocked out of balance. It focuses on expanding and interconnecting long-term observation systems, improving predictions and applying results within society. One special goal is to formulate scientifically based policy recommendations on how the Earth's resources can be used in a sustainable fashion without destroying the foundations of life.</p> <p>The Climate Service Center 2.0 as well as the Institute of Coastal Research contribute to these goals in different areas. Whereas the Climate Service Center acts on international and national level, the Institute of Coastal Research focuses primarily on coastal zones in particular Northern Germany. Both have a strong focus on bridging the gap between science and application to support decision making in politics and business by providing customized products and services.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Both, the Climate Service Center 2.0 as well as the Norddeutsches Klimabüro will participate in WP 3 – the in-kind part.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p>Dr. Daniela Jacob, Acting Director of CS2.0, Meteorologist, expertise (amongst others) in climate modelling, regional downscaling, atmosphere dynamics, water cycles and climate services.</p> <p>Dr. Jörg Cortekar has a PhD in Environmental and Resource Economics. Main fields of expertise are water and energy economics, stakeholder analysis and dialogues, local / municipal adaptation strategies and planing. He has also experiences in proposal</p>			

preparation (EU and national funding mechanisms).	
Dr. Insa Meinke, Head of the Norddeutsches Klimabüro, Geoscientist, expertise in regional science-stakeholder dialogues and development of information products for decision relevant knowledge on coastal climate.	
Dr. Hans-Jörg Isemer is head of the European and International Projects Department at HZG which has the key task to support international proposal writing, contract preparation and project management at HZG. He has international project management experience since more than 20 years. He is a meteorologist by education and holds a PhD in meteorology from the University of Kiel.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>Danish Meteorological Institute</b>		
<b>Short name</b>	DMI	<b>Country</b>	Denmark
<b>Brief description of the legal entity</b>			
<p>The Danish Meteorological Institute (<a href="http://www.dmi.dk">http://www.dmi.dk</a>) is the national meteorological service for Denmark and Greenland. DMI has a long experience in atmospheric and oceanographic modelling for operational use and for use in research related to weather forecast, seaice forecast and climate change. DMI is in charge of monitoring weather and climate of Denmark and Greenland and maintains data series covering two centuries in both regions. The research department's section for Climate and Arctic has extensive experience in climate modelling and remote sensing analyses and has been involved in many international research projects on global and regional climate.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
<p>In case you are a Programme Manager, please name the respective Programme Owner  <b>Danish Ministry of Climate, Energy and Building (KEBMIN)</b></p>			
<p>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</p>			
<p>DMI is involved in various Nordic, national (as well as EU-funded) research projects focusing on regional downscaling and climate scenarios for Denmark and Greenland. DMI has coordinated a substantial part of national research into climate change impacts and adaptation through national funding in the Centre for Regional Change in the Earth System(CRES)</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>DMI will work towards more effective communication of climate information as a service to society, including easy access to data and information as well as tailored information for professional users and decision makers. The climate services are based on DMI's climate research, access to observations and large experience with providing weather, oceanic and climate information and scenarios for Denmark and Greenland.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p><b>Marianne Sloth Madsen</b> has a PhD in Environment and Climate within the field of atmospheric chemistry. She is a researcher in the Climate and Arctic research section and has experience with climate modelling, Arctic climate change and climate scenarios for use in impact studies. She is the DMI representative in JPI Climate Module 2 'Researching Climate Service Development and Deployment'.</p> <p><b>Majken Salomon Hess</b> has a background in environmental chemistry (Master degree) and is in the Department for Collaboration and Innovation. She is establishing a climate service portal with information on present and future climate and has experience with promoting and communicating climate services.</p> <p><b>Jens Hesselbjerg Christensen</b> is the scientific head of regional climate change in the research department. He was a coordinating lead author of the chapter on regional climate projections in the 4th and 5th Assessments reports of the IPCC and also contributed to the Arctic assessment report, SWIPA (2011). He was the director of Centre for Regional Change in the Earth System (CRES) and has been involved in numerous assessment studies about future climate and its potential impacts on Danish natural systems and</p>			

society.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>AGENCIA ESTATAL DE METEOROLOGIA</b>		
<b>Short name</b>	AEMET	<b>Country</b>	<b>SPAIN</b>
<b>Brief description of the legal entity</b>			
<p>The Agencia Estatal de Meteorología (AEMET) depends from the Spanish Ministry of Agriculture, Food and Environment. It concentrates all the responsibilities for the official meteorological and climatological functions in Spain, including aeronautical and maritime services as well as the meteorological support to Defence. The direction and most of the general management activities, as well as most of the technical departments, are located at the AEMET headquarters in Madrid. The regional structure consists of 15 Regional Centres distributed throughout the continental territory and the isles. Each one is responsible for local dependencies (42 observatories and local offices some of them managing specialised functions, 31 aeronautical offices in civil airports and 25 Defence meteorological offices in air bases and other military buildings). There is also a centre for forecasting services to Defence located in Madrid. 10 out of the 15 Regional Centres perform forecasting functions through a "Forecasting Group". The total number of staff is slightly over 1,400; about 500 have their working posts at the headquarters and 1,000 at the regional centres and local offices. AEMET is the representative of Spain at intergovernmental meteorological organisations such as the World Meteorological Organisation (WMO), the European Centre for Medium Range Weather Forecasts (ECMWF), EUMETSAT (European meteorological satellites organisation) or the Intergovernmental Panel on Climate Change (IPCC). There is in addition a significant participation of the AEMET in a number of international groups of co-operation between meteorological services, mainly in association with other European countries such as ECOMET, EUMETNET, etc.</p> <p>AEMET is also very active on climatic research in topics such as observed climatic variability, the downscaling of global model outputs, the evaluation and verification of model performance and operational seasonal forecasting. AEMET is currently contributing to the EU FP7 EUPORIAS Project by developing a statistical framework to best combine the seasonal predictions from different sources. AEMET is also contributing in conjunction with WMO to develop an operational framework to provide regional seasonal forecasts tailored to user needs. More information can be obtained in <a href="http://www.aemet.es">www.aemet.es</a>.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			<b>N</b>
Programme Owner			<b>N</b>
Programme Manager			<b>Y</b>
In case you are a Programme Manager, please name the respective Programme Owner <b>Ministry of Economy and Competitiveness (MINECO)</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			



### Short profile of staff member(s) who will be undertaking the work

**Dr. Fernando Belda** is Director of Production and Infrastructures, responsible of the infrastructures, operational and research activities in AEMET. Meteorologist (permanent position) at AEMET since September of 1991 with climatological and remote sensing research experience for more than 20 years in the subjects of observed climatic variability, meteorological and climate extremes, flood, droughts and early warning system, and Remote Sensing applications. Participation in 10 projects from several research plans of the Spanish National R&D Programme, the Ministry of Environment, European Programme and others institutions. Co-author in more than 30 refereed scientific articles related to climate variability, vegetation vulnerability and remote sensing papers and documents. Participation in more than 20 national and international scientific conferences and workshops related to meteorology, climatology and remote sensing. Member of the Remote Sensing Research Team managed by Professor J. García-Haro from the University of Valencia, working on meteorology, climatology and remote sensing since 1991. Spanish delegate in the ECMWF Executive Council, in EUMETSAT Executive Council and EUMETNET Assembly.

**Dr. Yolanda Luna** is Head of Development and Applications Department, responsible of the research activities in AEMET. Meteorologist (permanent position) at AEMET since June of 2001 with climatological research experience for more than 20 years in the subjects of observed climatic variability, teleconnections patterns, statistical downscaling techniques, climate extremes, multivariate statistic, stochastic processes and time series analysis. Participation in 20 projects from several research plans of the Spanish National R&D Programme, the Ministry of Environment, European Programme and others institutions. Co-author in more than 40 refereed scientific articles related to atmosphere dynamics and climate variability papers and documents. Participation in more than 60 national and international scientific conferences and workshops related to meteorology, climatology and statistics. Member of the Research Team MCAM (Meteorology and Climate Applications and Modelling) managed by Professor F. Valero from the Complutense University of Madrid, working on meteorology and climatology since 1991. Researchers of the MCAM Team came from the Complutense University of Madrid, Universidad of Valladolid, AEMET and the Spanish Harbour Authority (Puertos del Estado). Member of Experts Committee of the Ministry of Science and Innovation for the evaluation of projects presented to the Spanish National R&D Programme since 2010. Member of the Experts Commission for the scientific monitoring of the research projects founded by the Spanish National R&D Programme related to the topic of Biodiversity, Earth Sciences and Climate Change.

**Mr Ernesto Rodríguez-Camino** is Head of Climate Evaluation and Modelling Division at AEMET, responsible for research on issues related with classical climatology and climate modelling. Seasonal forecasting is one of the responsibilities of the group. His group is also responsible for the generation of downscaled climate change projections over Spain feeding a wide variety of impact studies. He has long experience in atmospheric modelling and has also participated in many national and international projects in connexion with modelling. He was deputy project leader of the HIRLAM project for the development of an operational limited area model for short-term forecasting. He has recently participated in the shaping of European Met Services' plans for climate services in the frame of the World Meteorological Organization's Global Framework for Climate Services.

**Mr Antonio Mestre** is Head of the Climatology and Operational Applications Division at

<p>AEMET, responsible for all operational activities related with climate data management, classical climatology and climate applications for users from agrarian and hydrological sectors. His group is also responsible for the routinely generation of climate monitoring products. He has long experience in the field of climate applications and has also participated in different national and international projects in connexion with agro-meteorology. He is member of the Commission of Climatology of the WMO and has also been leader of the expert team of meteorological information for a sustainable agriculture of the Commission of Agricultural Meteorology of WMO.</p>	
<p>Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.</p>	
<p>N/A</p>	
<p>Does the participant envisage that part of its work is performed by a linked third party.</p>	<p>Y/N</p>
<p>Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)</p>	
<p>Y/N</p>	
<p></p>	

<b>Name of organisation</b>	<b>Barcelona Supercomputing Center – Centro Nacional de Supercomputación</b>		
<b>Short name</b>	BSC-CNS	<b>Country</b>	Spain (ES)
<b>Brief description of the legal entity</b>			
<p>The Barcelona Supercomputing Center – Centro Nacional de Supercomputación, created in 2005, has the mission to research, develop and manage information technology in order to facilitate scientific progress. At the BSC, more than 350 people from 40 different countries perform and facilitate research into Computer Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering. The BSC is one of the eight Spanish “Severo Ochoa Centre of Excellence” institutions selected in the first round of the prestigious programme in Spain, as well as one of the four hosting members of the European PRACE Research Infrastructure. The BSC hosts MareNostrum III, a Tier-0 PRACE system currently ranked as the #24 most powerful supercomputer in Europe (#57 in the world) with 1Pflop/s capacity. In addition, the BSC hosts other High-Performance Computing (HPC) resources, among which it is worth mentioning MinoTauro, a hybrid system with GPUs incorporated.</p> <p>The Earth Sciences Department of the BSC (ES-BSC) was established with the objective of carrying out research in Earth system modelling. The high performance capabilities of MareNostrum III and the close collaboration with the Computer Sciences department allow increasing the spatial and temporal resolution of atmospheric modelling systems, in order to improve our knowledge on dynamic patterns of air pollutants in complex terrains and interactions and feedbacks of physico-chemical processes occurring in the atmosphere. Therefore it represents an excellent infrastructure to carry the Earth system simulations on which the ES-BSC is a worldwide reference.</p> <p>The ES-BSC also undertakes research on the development and assessment of dynamical and statistical methods for the prediction of global and regional climate on time scales ranging from a few weeks to several years. The formulation of the predictions includes the development and implementation of techniques to statistically downscale, calibrate and combine dynamical ensemble and empirical forecasts to satisfy specific user needs in the framework of the development of a climate service.</p> <p>The ES-BSC conducts research on air quality, mineral dust and climate modelling and strongly contributes to the scientific and technological advancement in atmospheric and mineral dust modelling. In this sense, the ES-BSC develops and maintains a state-of-the-art mineral dust model: NMMB/BSC-Dust. The excellent results of the group on this field have contributed to the recently creation of the first World Meteorological Organization (WMO) Regional Meteorological Center specialized on Atmospheric Sand and Dust Forecast, the “Barcelona Dust Forecast Center”. In which the NMMB/BSC-Dust model has been selected as the reference mineral dust model. Currently the model provides mineral dust forecasts to the World Meteorological Organization (WMO) Sand and Dust Storm Warning Advisory and Assessment System (SDS-WAS) Northern Africa- Middle East-Europe (NAMEE) Regional Center that is managed by a consortium between the Spanish Weather Service (AEMET) and BSC. Furthermore, BSC and UNEP are collaborating in the development and implementation of the WMO SDS-WAS West Asia Regional Center in which the NMMB/BSC-Dust is designed to perform mineral dust forecast simulations.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y

In case you are a Programme Manager, please name the respective Programme Owner <b>Ministry of Economy and Competitiveness (MINECO)</b>	
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;	
<b>Main tasks</b> attributed in the proposed action and the previous experience relevant to those tasks	
<p>The BSC-CNS will lead WP5 "<i>Follow-up and monitoring of projects resulting from the co-funded call</i>".</p> <p>The BSC-CNS has been responsible for the organisational aspects work packages of the different Prace projects (from the Preparatory Phase, over 1IP to 4IP). The tasks in these WPs have included the definition of suitable indicators for the monitoring of the PRACE Research Infrastructure, and the creation of monitoring and assessment tools based on these indicators.</p> <p>In addition, the BSC-CNS has coordinated 10 EU-FP7 projects, which has included the management and monitoring of the partners contributions to the projects.</p>	
<b>Short profile of staff member(s) who will be undertaking the work</b>	
<p>Prof. Francisco Doblas-Reyes (male) is an expert in the development of seasonal-to-decadal climate prediction systems and the head of the ES-BSC. He is involved in the development of the EC-Earth climate forecast system since its inception. He was an IPCC lead author in the Fifth Assessment Report, serves in WCRP and WWRP scientific panels, is a member of the ENES HPC Task Force, has participated in a number of FP4 to FP7 projects and is author of more than 100 peer-reviewed papers. He is shaping BSC's plans for the development of a weather and climate modelling service that brings the latest developments of HPC and Big Data research to the Earth science community, increasing at the same time the resilience of the European society to weather, air quality and near-term climate extremes.</p> <p>Prof. José M<sup>a</sup> Baldasano (male) is Full Professor in Environmental Engineering in the Technical University of Catalonia (UPC) and head of the Earth Sciences Dpt. in the BSC-CNS. His research activities are oriented to air quality and climate modelling. He is author of more than 320 publications, 360 communications and 200 invited lectures, 90 conferences and co-editor and author of 19 books in environmental topics, co-chairman of 9 environmental international conferences, and has been advisor of more 90 companies and administrations. He is member of the SSC of PRACE HPC European Initiative; and member of the IPCC. Has been member of "Steering Group of National Experts on Ambient Air Quality, European Union, Commission DG XI" for development of Council Directive 96/62/EC of 27 September 1996 on ambient air quality assessment and management.</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	Y

Some of the work carried out at the Barcelona Supercomputing Center – Centro Nacional de Supercomputación will be contributed free of charge by Third Parties: Universitat Politècnica de Catalunya (UPC) and the Catalan Institution for Research and Advanced Studies (ICREA).

The BSC is a consortium that is composed by the Spanish Ministry of Economy and Competitiveness (MINECO), the Catalan Government and Universitat Politècnica de Catalunya (UPC). UPC contributes in kind by making human resources available to work on projects. The relationship between BSC and UPC is defined in an agreement with each institution that was established prior to the start of this project. The BSC thus recognizes UPC as Third Party for many of the EU Projects in which the BSC participates.

The Universitat Politècnica de Catalunya (UPC) is a university with a consolidated worldwide reputation and an international vision that generates technological innovation and attracts talent. There is a signed Collaboration Agreement between the UPC and the BSC establishing the framework of the relationship between these two entities. According to this agreement, several professors of the UPC are made available to the BSC to work on research projects. Dr. José M. Baldasano is a UPC researcher affiliated with the BSC-CNS. He carries out his research in association with the Barcelona Supercomputing Center - Centro Nacional de Computación on the BSC-CNS premises, according to Article 12 of the Model Grant Agreement.

ICREA (Institució Catalana de Recerca i Estudis Avançats) will provide resources free of charge to the BSC as a third party (Article 12 Grant Agreement). ICREA is a foundation supported by the Catalan Government and guided by a Board of Trustees which aims to recruit top scientists for the Catalan R&D system: scientists capable of leading new research groups, strengthening existing groups, and setting up new lines of research. Following the rules of ICREA, although the salary costs of Prof. Doblas-Reyes are paid by ICREA, he is assigned to physically work at the Earth Sciences Department of the BSC and considered a full member of the BSC. The terms and conditions of this cooperation between ICREA and BSC are reflected in a bilateral agreement between the two parties. The beneficiary, BSC, is free to use these resources at will. They are therefore assimilated as “own resources” of the beneficiary, and will be charged to the project without being considered as a receipt. The cost will be declared by the beneficiary and it will be recorded in the accounts of the third party. These accounts will be available for auditing if required.

<b>Name of organisation</b>	<b>AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS</b>		
<b>Short name</b>	CSIC	<b>Country</b>	<b>SPAIN</b>
<b>Brief description of the legal entity</b>			
<p>The Spanish National Research Council (CSIC) is the largest public institution dedicated to research in Spain and the third largest in Europe. Belonging to the <a href="#">Spanish Ministry of Economy and Competitiveness</a> through the Secretary of State for Research, Development and Innovation, its main objective is to develop and promote research that will help bring about scientific and technological progress, and it is prepared to collaborate with Spanish and foreign entities in order to achieve this aim. According to its Statute (article 4), its mission is <i>to foster, coordinate, develop and promote scientific and technological research, of a multidisciplinary nature, in order to contribute to advancing knowledge and economic, social and cultural development, as well as to train staff and advise public and private entities on this matter.</i></p> <p>It has a staff of more than 13,000 employees, among these about 3,300 are permanent researchers and about 4,300 are pre- and post-doctoral researchers.</p> <p>The CSIC has 121 institutes or centres, 54 of them are Joint Research Units with universities or other research institutions, distributed throughout Spain. There is also a delegation in Brussels.</p> <p>CSIC provides services to the entire scientific community through management of the Singular Scientific and Technological Infrastructures (ICTS) such as Calar Alto Astronomical Observatory, Doñana Biological Station, European Synchrotron Radiation Facility, Hesperides Ocean Research Vessel, Integrated Micro and Nanoelectronics Clean Room, Juan Carlos I Antarctic Base, Max Von Laue-Paul Langevin Institute and Sarmiento de Gamboa Ocean Research Vessel</p> <p>Concerning climate and global change science CSIC has around 30 research teams developing research in this field. Examples are:</p> <ul style="list-style-type: none"> <li>• Multy- scale climate variability, modelling (García-Herrera-IGEO): T, Hr, WSPD forecast, especially relevant the services offered for the renewable energy companies, and modelling of extreme events. Short term climate variability ( García-Herrera IGEO, Vicente-IPE, Montoya &amp; Gonzalez Rouco IGEO, Rodriguez-Fonseca-IGEO, Alonso-IMEDEA, FIZ-IIM).</li> <li>• Generation and provision of regional climate scenarios (downscaling). Developing and providing local climate information (gridded observations, climate change scenarios, seasonal forecasts, etc.) tailored to different impact sectors (hydrology, agriculture, health, etc.) (Gutierrez-Llorente-IFCA)</li> <li>• Impact of global change on terrestrial biodiversity (Peñuelas-CREAF, Valladares-MNCN), marine biodiversity (Ruiz-ICMAN), fisheries (IIM, Ruis-ICMAN) hidrology (Benito-MNCN), erosion (Gallart-IDAEA).</li> <li>• Modelling CO2 fluxes and exchanges with ocean (Fiz-IIM, Huertas-ICMAN ).</li> <li>• Studies on Antarctic and Polar global changes (Simó-ICM)</li> <li>• Operational data service on real time remote sensing SMOS-BEC-CP34: ocean salinity, high and medium resolution of soil moisture, ocean surface density, ice thickness in the Artic, .... (Font-ICM)</li> <li>• Geo information systems SAIDIN that allow downloading satellite data from different sources for the Western Mediterranean (Guillén-ICM). An EuMetCast for reception of real time remote sensing data .</li> <li>• Interpreting recent-past climate changes (Valero-IPE, Giralt-ICTJA, Martinez-Ruiz, IACT. Martín-Chivelet-IGEO)</li> <li>• Experimental studies on characterizing size and composition of aerosols with radiative properties (Alastuey and Querol-IDAEA). Quantifying the regional effects on a regional scale according origin and features of aerosols.</li> <li>• Role of atmospheric chemistry on climate, including remote-sensing measurements</li> </ul>			

(from satellite and ground-based platforms), modelling (global chemistry-climate) and laboratory (photochemistry). AC2 has deployed remote sensing instruments around the world to target oxidant concentrations in the atmosphere. In parallel, we have further developed a chemistry-climate model to explicitly study the role of ocean emitted climate relevant gases on the energy balance of the global atmosphere (Alonso-IQFRS).

- Long time series of ocean and terrestrial observatories, including aerosol radiative properties (Alastuey IDAEA terrestrial, Pelegrí-ICM-ocean).

#### Identification of the role:

Programme Owner and Manager	N
Programme Owner	N
Programme Manager	Y

In case you are a Programme Manager, please name the respective Programme Owner:  
**Spanish Ministry of Economy and Competitiveness (MINECO)**

Identify and describe the **research programme(s)** with which you participate, the main programme objectives, and any previous experience and participation;

CSIC has considerable experience in both participating and managing R&D projects and training of research personnel.

According to **National Programmes**, CSIC has a strong participation in Spanish National calls for funding: MINECO, MAGRAMA, MIFO, ISCIII, INIA.

Regarding to **European Programmes**: participation in the European Commission and his funding agencies calls, mainly in the European Framework Programme, but also in other calls, for instance, LIFE programme, RFCS, ESA, or INTERREG and is member of the European Topic Centre for Air Quality and Climate from the European Environmental Agency Participation in programmes from JPI calls: WATER, FACCE, JPND, others.

Under the 7th Framework Programme CSIC has signed 724 actions (including 62 coordinated by CSIC and 45 ERC projects). Funding wise, CSIC is listed the 6th organisation in Europe in the 7th Framework Programme. As to the number of projects signed by CSIC within each programme, the distributions is People 36,4%, Cooperation 32,1%, Capacities 25,2% and Ideas 6,3%. If we take into account funding, the ranking would be different: Cooperation 45%, IDEAS 28%, People 19%, Capacities 8%.

Regarding projects related to climate research, CSIC has signed and managed 35 actions in the whole European Framework.

In the framework of JPI calls, CSIC has achieved 10 actions of the FACCE JPI calls, three of them in the Climate Smart Agriculture call. In addition, CSIC achieved one project from Water JPI on emerging contaminants.

CSIC has also signed and managed 40 ERA-NET actions, 10 coordinated by CSIC. In the framework of ERA NET programme CSIC has managed projects from calls as BIODIVERSA, EUROPOLAR, MARINERA, WOOD WISDOM-NET, and others as *Era-Instrument*. CSIC presents a large participation in other European programmes as LIFE+, INTERREG, EMRP, RFCS, COST and others.

Finally, our researchers take part actively as scientific stakeholders in several European initiatives as JPI Oceans, Water JPI, JPI Healthy diet for a healthy life or Cultural Heritage, among others.

Moreover, CSIC participates under **International Programmes** funds from international calls, as AXA Research Fund, NIH, NSF, Bill and Melinda Gates Foundation, RWO, WHO, UNECE-EMEP and others.

**Main tasks** attributed the proposed action and the previous experience relevant to those tasks

CSIC is the first Spanish organization concerning the activities and productivity arising from climate research. These research activities are mainly carried out by research teams from the Scientific and Technological Area (STAs) of Natural Resources and of Physical Sciences and Technologies (two of the eight STAs existing in CSIC). These research teams are widespread in around 20 CSIC research centres covering investigations on the following three major sub-Areas: Marine Sciences, Biology of Terrestrial Organisms and Systems, and Earth and Atmosphere Systems.

Tasks in which CSIC would like to be involved are those related with WP3 and WP4. In particular CSIC will be involved in:

WP3. Task 3.1. In-kind topic focus and sub-topics selection: in devising the scientific content of the topics for the preparation of the call, mainly related with the scientific-technical topics attached below.

WP3. Task 3.2. Preparation of the in-kind topic call specificities for the call documents.

WP4. Task 4.4. National eligibility of in-kind pre-proposals.

The topics covered by our research teams focus on:

1. Modelling of current and future scenarios for climate change: IGEO-UCM, IIM, IFCA, IMEDEA are major CSIC centres working on this topic. Long term climate forecasting, decadal and seasonal forecasting, extreme events forecasting. We highlight here an spin-off (Global Forecasters SL) already in operation on this topic by IGEO-UCM-CIEMAT.
2. Desertification and global change is a research field being the core line at CIDE and EEZA research centres.
3. Flooding and erosion in a climate change context: MNCN, IPE, IDAEA. With experimental basins fully monitored since the last decades.
4. Climate change and ocean-atmosphere interaction: IIM, ICM, ICMAN, IMEDEA, IDAEA and CEAB, Including large infrastructures such as Marine Technical Unit (Antarctic Research Station, and 4 Research Vessels), the ICTS of SOCIB-IMEDEA (gliders and other monitoring fixed and mobile units), the spin-off from ICMAN (on ocean monitoring) and the coastal observatories from ICM and CEAB. These activities cover both experimental and modelling sciences, Models used include among others: WACCM (Whole Atmosphere Climate Community Model), UCLA, NEMO, SPEEDY, CMIP3/CMIP5, S4CAST, PMIP3/CMIP5 simulations.
5. Ecological adaptation and changes caused by Global Change is an important research topic of highly internationalized research teams from EBD, CEAB, CREAM, MNCN, IMEDEA, RJB, IBB, EEZA, UMIB, CIDE, IREC for terrestrial ecosystems; and IMEDEA, ICM, ICMAN, IIM and CEAB for marine ecosystems, including fisheries. Here we should mention the ongoing ERC Advanced Grant on this issue, the large ICTS infrastructure of Doñana National Park, and the ESFRI LifeWatch, the three ruled by staff from EBD. Also ICM measurements performed on this field by ICM during Antarctic research cruises, the high mountain monitored sites ruled by CREAM and CEAB, among others. We highlight also a large ERC Synergy Grant on the adaptation



of forests to the climate and global change driven by CREAM.

6. Assessment of recent-past climate change to understand current changes and future trends, IPE, ICTJA, IACT, IDAEA, IMEDEA, MNCN, IGEO are 5 of the main CSIC centres working on this issue. Studies are carried out in recent past and recent sediments from lakes, speleothems, sea bottom and other sedimentary records in sensible regions of the planet to evaluate magnitude and causes of the climate change in these past-recent periods. Also records of extreme flooding, erosive events, large fire episodes in the sedimentary record are studied to obtain information of climate trends, changes and desertization causes.
7. Assessment on the effect of aerosols and gaseous pollutants on the Earth's radiative forcing. Measurements on the atmospheric warming and cooling effects of aerosols and GHGs at the ACTRIS2 Large infrastructure for remote monitoring sites by IDAEA. Three fully equipped monitoring sites are part of this large European infrastructure and 2 of the part of the worldwide GAW network. Polar measurements of GHGs and ozone depleting pollutants are performed by the IQFRS research team with state of the art instrumentation. The IQFRS team has deployed remote sensing instruments around the world to target oxidant concentrations in the atmosphere. In parallel, they developed a chemistry-climate model to explicitly study the role of ocean emitted climate relevant gases on the energy balance of the global atmosphere. Scientific objectives include further investigating the role of atmospheric chemistry on the Earth's climate across different timescales. Modelling on this field is mainly due by IGEO-UCM and IFCA teams.
8. CO<sub>2</sub> capture from large combustion plants and underground injection is a major research topic of research groups from IDAEA, ICTJA, INCAR and ICB. We highlight here the ongoing experiment consisting on the injection of 200 Ktonnes of CO<sub>2</sub> at 1.4 km in the Hontomin area in NE Spain where staff from IDAEA and IACTJA have a major role. The oxy-combustion research (high CO<sub>2</sub> combustion reached by recirculating exhaust gases) is a major topic investigated by ICB, INCAR and IDAEA.
9. Long-time series of climate data measured at oceanographic and terrestrial observatories are available at ICM, IDAEA, CEAB, IIM, among others. Furthermore Earth observation time series of oceanic climate data obtained from satellite data is the main objective of an important research team from ICM. The same centre operates the SAIDIN climate data visualization system.

#### **Short profile of staff member(s) who will be undertaking the work**

The principal management tasks of the action will be addressed by the European Programme Division, the institutional office for managing European actions conducted at CSIC. This office is aimed at providing support to CSIC's researchers and institutes in EU initiatives and promoting CSIC participation in EU calls for projects. In coordination with the European Programme Division, the main scientific tasks of the action will be handled by the scientific coordination for Natural Resources and Environmental Research and Physical Sciences and Technologies Research Areas STAs.

The main staff be involved in the proposal:

**P.1 XAVIER QUEROL** (*Coordinator for Natural Resources and Environmental research*) – *Project Manager.*

Research Professor at the Institute of Environmental Assessment and Water Research (IDAEA) he is currently in charge of coordinating research teams from 22 CSIC centres on Natural Resources. Scientific Advisor (since 1999) to the Ministry of Environment regarding

European Directives on Air Quality. Lead author of the report 'Scientific and Technical Basis for the National Air Quality Plan of Spain. Member of the World Health Organisation Scientific Advisory Committee for the evaluation of the EC Air Quality Directive. Vice-chairman of the United Nations Scientific Committee-CLTRAP EMEP (European Monitoring and Evaluation Program, Convention on Long-range Transboundary Air Pollution UNECE). Member of the Spanish Climate National Council. In the Thomson Reuters 2014 of the most (1%) cited scientific authors.

**P2. MANUEL LOZANO FANTOBA** (*Coordinator for Physical Sciences and Technologies*) – *Project Manager.*

Research Professor at the Institute of Microelectronics in Barcelona (IMB-CNM) he is currently in charge of coordinating research teams from 21 CSIC centres on Physics, Technologies and Mathematics. His research topics are microelectronics and radiation detectors. He has been coordinator of a 7PM project. He has experience in technology transfer, is author of more than 10 patents, several licensed, and founder of 2 spin-off companies.

**P3. CYNTHIA MONESCILLO RODRIGUEZ**- *Project Manager*

In the Spanish Ministry of Science and Innovation (MICINN) began her career in management of RTD and Innovation, related to national programs as well as FP7. In 2010, she started to work at the SPE CSIC, advising and supporting researchers in the preparation and monitoring of proposals FP7, H2020 and other European programs. She has also participated and organized infodays and workshops targeted to encourage participation in the Framework Programme. She complemented her professional development as project manager at Water JPI and JPI Oceans at the Spanish Ministry of Economy and Competitiveness (MINECO), also acting as National Contact Point for the Water JPI Pilot Call 2013.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

N/A

Does the participant envisage that part of its work is performed by a linked third party.	N
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Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
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<b>Name of organisation</b>	<b>Universidad de Cantabria – IH Cantabria</b>		
<b>Short name</b>	UC-IHC	<b>Country</b>	Spain
<b>Brief description of the legal entity</b>			
<p><b>UC</b> is a Spanish university with around 1,700 researchers and 13,000 students (from which 631 are PhDs), 4 associated research centers, and 143 R+D groups from 31 departments. Moreover, UC is one of 9 Spanish universities selected in the “Campus of International Excellence” Programme, promoted in 2009 by the Spanish Government. <b>The Environmental Hydraulics Institute “IH Cantabria”</b> is a joint research center that carries out research, knowledge transfer and training of specialists in the fields of fresh and saltwater. It was founded in 2007 integrating two university departments with over twenty years of expertise in the fields of hydrodynamics; sediment transport, coastal evolution, coastal structures, coastal/ports/river engineering, estuarine dynamics, transport processes; marine and river environmental sciences; water quality; natural and anthropogenic coastal risks; numerical and physical modelling of water-related processes and integrated coastal and river basin management. IH Cantabria is an international reference centre specialising in the development of studies, methodologies, and tools related with water and including marine energy. It has conducted a great number of R&amp;D projects funded by the European Union, the British Council, the North-Atlantic Treaty Organisation, the United Nations Development Programme, several multilateral organizations and the private sector worldwide.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner: <b>Ministerio de Economía y Competitividad del Gobierno de España</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation			
<p>IH Cantabria has conducted a great number of R&amp;D projects funded by the European Union, the British Council, the North-Atlantic Treaty Organisation, the United Nations Development Programme, the Inter-American Development Bank, the Economic Commission for Latin America and the Caribbean, and the World Bank, with the involvement of European, US, Spanish and Latin-American institutions. IH Cantabria is nowadays an international reference centre specialized in basic and applied research focusing on the development of studies, methodologies and tools for the management of river, coastal and marine systems, including superficial and subterranean waters, transitional and coastal water bodies integrating the relevant processes as well as the socio-economic aspects associated with an efficient and sustainable management of the water cycle. The multidisciplinary scope applied to each and every project has allowed IH Cantabria to bring together a diverse work force, with very specific backgrounds and experiences: mathematicians, physicists, engineers, biologists, geographers, economists, marine scientists, oceanographers, and IT specialists among others. This work has allowed IH Cantabria to be at the forefront of national and international organizations working in the water cycle in its various facets. At IH Cantabria there are over 140 researchers and the center has over thirty years of experience. IH Cantabria is an expert in water-related coastal risks and disasters, conducting detailed risks assessment of coastal hazards, including climate change and sea level rise, flooding, tsunamis, coastal erosion, oil spills. It also has long experience on marine renewable energies; in fact it was one of the earliest research centers that contributed to the wave energy sector during the 70s in Spain. Concerning Climate Change, IH Cantabria is a member of the IPCC, being the only Spanish representative in the Nairobi Programme of the UN. It also acts as an advisor to the Spanish Office of Climate Change on policies and strategies to counter the effects of global climate</p>			

change on the coast.
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks
<p>UC-IHC will be mainly involved as co-leader of Work Package 3 – Preparation of the co-funded call – in kind topic.</p> <p>Additionally, UC-IHC will be involved in the development of additional activities and will be participating in communication activities deriving from the this ERA-NET.</p> <p>Some of the relevant climate change projects where UC-IHC is partners:</p> <p><b>TRANSFER</b> (Tsunami Risk and Strategies for the European Region) European Commission. Duration: 2006-2008;</p> <p><b>THESEUS</b> (Innovative Technologies for safer European coast in a changing climate). European Commission. Duration: 2009-2012.</p> <p><b>C3A</b> (Climate Change in Latin America and the Caribbean coast). CEPAL. Duration:2009-2010</p> <p><b>COCONET</b> (Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential). European Commission. Duration: 2012-2016</p> <p><b>GUATEMALA and MEXICO</b> Climate change and urban development studies. <b>Inter-American Development Bank</b>. DURATION – 2013</p>
<b>Short profile of staff member(s) who will be undertaking the work</b>
<p><b>Iñigo Losada</b> is the Research's Director of the Environmental Hydraulics Institute IH Cantabria; and Full Professor of Hydraulics Engineering at the Universidad de Cantabria; PhD in Doctor in Civil Engineering (Universidad de Cantabria –Spain- and Delaware University –USA-). His research has focused wave propagation modelling, including tsunamis, functionality and stability of maritime and coastal structures, wave-structure interaction modelling, coastal flooding, oil spills pollution, climate change effects and ocean renewable energy. He has been the main researcher in projects funded by Spanish CICYT, European Union, NATO, NSF as well as by several Spanish public administrations (State Ports Authority, Directorate General for Coasts, etc.) and companies worldwide. He has published over 70 refereed papers in journals in the field.</p> <p><b>Fernando Méndez</b> is Associate Professor at the Universidad de Cantabria, PdhD in Civil Engineering (1997) (UC). He is also Head of the Marine Climate and Climate Change area at IH Cantabria. He has participated in several projects funded by the European Union, including the FP7, and has been the main researcher in many national research projects funded by Spanish administrations such as the Ministry of Environment, Ministry of Public works or the Ministry of Education and Science. He has published more than 20 papers in scientific journals and more than 40 conference proceedings on these subjects.</p> <p><b>Pedro Diaz-Simal</b> is Professor of the University of Cantabria in the area of Economics and currently belongs to the IH Cantabria Research Group of Marine Climate and Climate Change. Pedro is Civil Engineer by the University of Cantabria, specializing in Hydraulics, Oceanography and Environment (1982-1988); PhD in Civil Engineer from University of Cantabria 1994, Bachelor in Economics (1989-93) from the UNED (1994).</p> <p>At administrative-financial level :</p> <p><b>Patricia Bueno</b> is BA in Politics (University of East Anglia, Norwich, UK). Several years of training in EU affairs related organizations in Brussels and currently EU projects management officer at IH Cantabria.</p>
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.
N/A

Does the participant envisage that part of its work is performed by a linked third party.	Y
<i>If yes, describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party</i>	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>Universitat Rovira i Virgili Centre for Climate Change</b>		
<b>Short name</b>	URV-C3	<b>Country</b>	Spain
<b>Brief description of the legal entity</b>			
<p>The URV is a comprehensive university well positioned internationally in R&amp;D with good results in quantity and quality of its publications. The URV has been classified 66th by the Times Higher Education World Universities Ranking 2014 under 50 years old . The number of doctoral theses nearly tripled in the last five years and more than a third were produced by foreign students. Knowledge transfer is reinforced with the increase of the number of patent applications and spin-off creation. The URV is also in leading positions in public and private funds attraction for its R&amp;D projects, at national and international level, coordinating EU projects, managing EUA and Japanese projects or taking part in several international public private partnerships. The URV cutting-edge R&amp;D facilities contribute significantly to these results.</p> <p>The URV's Centre for Climate Change (C3) in southern Catalonia is an internationally renowned research hub for climate science, with a particular focus on instrumental climate data recovery and reconstruction and climate time-series quality control and homogenisation. C3 also conducts research in the fields of climate extremes and variability, and climate change assessment, particularly climate change detection at different spatial and temporal scales.</p> <p>Since its inception in 2008, C3 has prepared, co-ordinated and been involved in several national and European-wide initiatives and parent research projects, including the EU-funded European Reanalysis and Observations for Monitoring (EURO4M), the EURAMET/ENV07/REG5 for the Parent JRP MeteoMet and the Uncertainties in Ensembles of Regional Reanalyses (UERRA) projects. All of these projects aimed to enhance climate data services over Europe either by improving high-quality climate data availability and accessibility and their derived products (e.g. gridded and high-resolution regional reanalysis), or by methodological improvements to develop high-quality and high-resolution in-situ climate datasets. At the international scale, C3 makes a significant contribution in the field of data rescue (DARE) by leading the World Meteorological Organisation (WMO) MEDiterranean climate DATA REscue Initiative (MEDARE) and taking part in the WMO The Indian Ocean Data Rescue Initiative (INDARE).</p> <p>Through work with the WMO Commission for Climatology (CCI) and the WMO Executive Council Panel of Experts on Education and Training (EC Panel), C3 has being involved in a remarkable number of activities to enhance climate monitoring and analysis worldwide, including regional capacity development activities around the world, either as organisers or as international experts and contributors in training activities for staff of National Meteorological Services (NMS) and other local scientists. Additionally, C3 has taken part in the definition of the components for the WMO Climate Services Information System (CSIS) in support of the GFCS and assisted in defining competencies and qualifications for personnel in climate services under the Global Framework for Climate Services (GFCS).The C3 has been and is also involved in many other international organisation activities as experts on climate observations. C3 takes part in the World Climate Research Programme (WCRP) Grand Challenge on Weather and Climate Extremes, the Global Climate Observing System (GCOS) Atmospheric and Oceanic Panel for Climate (AOPC) and has contributed to the United Nations Framework Convention for Climate Change (UNFCCC)/Subsidiary Body for Scientific and Technological Advice (SBSTA). All the C3 international involvement points</p>			

to a high international and national visibility of this research centre.	
A total of 15 international researchers, students and administrative staff make up the C3 team. Our small but dedicated group work hard to provide high-quality education opportunities for students, and to develop and maintain collaborations through out European and internationally.	
<b>Identification of the role:</b>	
Programme Owner and Manager	NO
Programme Owner	NO
Programme Manager	YES
In case you are a Programme Manager, please name the respective Programme Owner Ministry of Economy and Competitiveness (MINECO)	
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;	
<p>The URV's strategic policy (set on 2001, in its Research Strategic Plan) has highlighted Climate research as one of its priorities in one of the URV campuses. Thus, the URV created the C3 Research Center and since its creation, the centre counts on financial contributions from the URV, through the URV Research Centers program. More information can be found on:</p> <p><a href="http://www.urv.cat/recerca_innovacio/en_instituts_i_centres_innovacio.html">http://www.urv.cat/recerca_innovacio/en_instituts_i_centres_innovacio.html</a></p>	
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks	
<p>Work Package 3:Preparation of the co-funded call: in-kind topic</p> <ul style="list-style-type: none"> <li>• Task 3.1. In-kind topic focus and sub-topics selection (task leader: CMCC, Italy, co-leader: IHC, Spain)</li> <li>• Task 3.2. Preparation of the in-kind topic call specificities for the call documents (task leader: CMCC, Italy, co-leader: IHC, Spain)</li> </ul> <p>Work Package 6: Communication, exploitation and dissemination of the results</p> <ul style="list-style-type: none"> <li>• Task 6.1 Communication on co-funded call and relevant other climate services funding opportunities</li> <li>• Task 6.2 Dissemination of scientific knowledge obtained in ERA4CS co-funded projects, incl. Climate-Adapt platform</li> </ul> <p>Work Package 7: Coordination with other initiatives</p> <ul style="list-style-type: none"> <li>• Task 7.1 Collaboration with European initiatives, e.g. Copernicus, KIC Climate, others JPIs</li> <li>• Task 7.2 Collaboration with international initiatives, e.g. GFCS, Future Earth, Belmont Forum</li> </ul>	
<b>Short profile of staff member(s) who will be undertaking the work</b>	
<p><b>Dr Manola Brunet</b> is the C3's director and Professor at URV, where she has been working for almost 30 years. She is intensively involved in a number of international activities, projects and initiatives related to her expertise in instrumental climate reconstruction and</p>	

analysis. Besides of being co-chair of the WMO/Commission for Climatology (CCI) Open Panel of CCI Experts on Climate Monitoring and Analysis, she is leading the WMO/MEDARE Initiative that joins 23 Mediterranean NMHS and 10 research centers and has taken and is taking part in many climate monitoring and analysis activities worldwide through her involvement in parent activities organised under GCOS/AOPC, WCRP or UNFCCC umbrellas.

**Dr Enric Aguilar** is an Assistant Professor in the URV Geography Department and a Senior Researcher at C3. He has worked extensively in the analysis of climate change indices worldwide. Currently, his research is focused on climate data quality control and homogenization, developing different state-of-the art software on these topics. He has also been involved in international projects and networks devoted to the comparison of homogenization methods.

**Dr Linden Ashcroft** is a Senior Researcher at C3. Her current research is on the recovery, digitisation and quality control of sub-daily meteorological data as part of the European-wide UERRA project. Previous work has explored historical climate data availability and quality across Australia. Dr Ashcroft completed her PhD at The University of Melbourne in 2014.

**Dr Constanța Boroneanț** is a Senior Researcher at C3. Her expertise is climate variability and change analysis using both observation and modeled data. She has been involved as participant or PI in both national and European research projects on these topics (STARDEX, ENSEMBLES and CECILIA - EU projects). Her research has been mainly focused on multivariate analysis, extreme events and their link with large-scale circulation.

**Dr Peter Domonkos** is a Senior Researcher at C3 with previous experience as a weather observer and forecaster. As a researcher Dr Domonkos has worked in the fields of statistical analysis and synoptic climatology of climatic extremes and climate data homogenisation. Dr Domonkos has 43 reviewed publications and has been with C3 since 2009.

**Dr. Javier Sigró** is Reader at the Department of Geography and a Senior Researcher at C3. He has a wide experience in the fields of climate variability and climate change reconstruction studies. He has also focused his research interest on the development of high-quality instrumental surface climate variables at different temporal and spatial scales. This include data rescue activities, quality control, homogenization and spatial and temporal multivariate analysis.

**Dr Mercè Castellà** is a post-doctoral researcher at C3. Her current research focuses on the influence of large-scale atmospheric and oceanic influences on extreme events over the Iberian Peninsula. Dr Castellà is also involved in a number of European-wide projects on extreme analysis. She completed her PhD through C3 in 2014.

**Dr Joan Ramon Coll** is a post-doctoral researcher at C3. His work explores drought variability and change across the Iberian Peninsula, using a range of datasets and indices. Dr Coll also manages current data recovery projects at C3 undertaken as part of the EURO4M and UERRA programs. He completed his PhD at C3 in 2013.



Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules	
N/A	
Does the participant envisage that part of its work is performed by a linked third party	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	
N	

<b>Name of organisation</b>	<b>Ilmatieteen laitos / Research and Development</b>		
<b>Short name</b>	FMI	<b>Country</b>	Finland
<b>Brief description of the legal entity</b>			
The Finnish Meteorological Institute is a research and service institute subordinate to the Ministry of Transport and Communications in Finland. The FMI mission is to produce high-quality services and scientific know-how on the atmosphere and seas.			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner: <b>Finnish Ministry of Transport and Communications</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
FMI participates with climate service oriented research and relevant, supporting research activities. The aims are to develop new and/or improved tools and methods to provide climate information to a wide user community. Focus will be on strengthening the scientific basis and relevance of climate information to decision support, especially to aid users to manage future climate variability and change. FMI will also develop the utility of huge climate data sets by making the data more searchable and combinable for making data analysis available to a much greater user base. FMI has participated for more than two decades on national and international, including WMO RCC and GFCS as well as EU Framework, research programmes on climate change. Recent FP7 activities include e.g. CORE-CLIMAX, RAIN, MOVE-IT, EWENT, CRISMA, TOPDAD, FUME, ALARM. FMI conducts several projects containing capacity building and development of climate services in the developing countries, e.g. Vietnam, Peru, Zambia, Malawi.			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Work focuses on participating in WP3, WP5 and WP6 for the in-kind call definition and evaluation as well as analysis of CS performance at the end of the projects. Additionally FMI is willing to lead the WP7 international cooperation subtask 7.3.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p><b>Dr. Hilppa Gregow:</b> She is head of FMI's Climate Service Centre. She is author of 20 peer-reviewed journals with a background in applied weather, satellite and climate research, innovations and co-designed climate services. Lead by Dr. Gregow the FMI Climate Service Centre constantly develops its service and research portfolio to meet new user needs with focus on: 1) applied sectoral research of weather and climate, 2) research of socio-economic impacts, 3) climate communication <a href="https://ilmasto-opas.fi/en/">https://ilmasto-opas.fi/en/</a> and 4) building capacity and networks worldwide to support the WMO GFCS, Polar RCC and EU CS initiatives.</p> <p><b>Dr. Heikki Tuomenvirta:</b> He is head of research group "Socio-Economic Impacts of Weather and Climate". His expertise covers climate change variability, extremes and impacts, scenarios and adaptation strategies, capacity building development and international consulting. He is author of over 30 peer-reviewed journals. He has been the secretary of the Finnish IPCC Working Group since year 2008. He is one the editors of the BACC (Baltex Assessment on Climate Change).</p>			

**Atte Harjanne:** He is conducting his PhD studies at FMI and Aalto University. His area of research is adaptation to climate change impacts and the use of weather and climate services in organizations. He is an expert in the field of risk analysis, innovation studies, adaptation to climate change and extreme weather events and citizen science. <https://www.linkedin.com/pub/atte-harjanne/13/a42/a86>.

**Mikko Strahlendorff:** He is Finland's alternate delegate to the Copernicus Committee and GEO Alternate Principal delegate since 2011. He is involved in setting up ESFRI road map research infrastructure that Finland is involved in. These include ICOS, SIOS and EuroArgo. As a national expert to Horizon 2020 program committees for the Space theme and Societal Challenge 5 he is also largely involved in developing the European research landscape for Earth Observation.

**Dr. Sanna Sorvari:** her scientific background is in climate and Arctic research, paleoecology and limnology. She has worked for establishing ESFRI Environmental Research Infrastructures at the national and European level (e.g. ICOS, ACTRIS, ANAEE). Dr. Sorvari has also facilitated the collaborative work of Environmental RIs at the European level (Chair of the ENVRI stakeholders' Advisory Board). She is a member of H2020 Expert Advisory Board for RIs and e-RIs, works in JPI Climate as a co-chair of Working Group on Moving towards Reliable Climate Predictions.

**Dr. Ali Nadir Arslan:** He is a senior scientist at FMI. His fields of expertise are (1) Remote Sensing Methods and Applications for Cryosphere (2) Electromagnetic theory and modelling. He is currently managing following projects: (1) EU FP7 Cooperation Work Programme 2013: SEN3APP <http://sen3app.fmi.fi> (2) EU LIFE+ 2012 call: MONIMET <http://monimet.fmi.fi> (3) COST Action ES1404: A European network for a harmonized monitoring of snow for the benefit of climate change scenarios, hydrology and numerical weather prediction. Dr. Arslan is Copernicus User Forum delegate of Finland and Chairman of COPERNICUS Finnish User Forum, <http://cufin.fmi.fi>

**Dr. Kari Luojus:** He received the M.Sc., Lic.Sc. (Tech.) and D.Sc. (Tech.) degrees from the Helsinki

University of Technology (TKK), Finland. He has worked as the project coordinator for the ESA DUE GlobSnow and GlobSnow-2 projects, acts as a steering group member for the WMO Global Cryosphere Watch (GCW) and as the co-leader for the WMO GCW Snow Watch Group.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

N/A

Does the participant envisage that part of its work is performed by a linked third party.

N

Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)

N

<b>Name of organisation</b>	Finnish Environment Institute		
<b>Short name</b>	SYKE	<b>Country</b>	Finland
<b>Brief description of the legal entity</b>			
The Finnish Environment Institute is a research and service institute led by the Ministry of Environment in Finland. SYKE's mission is to produce crucial information and innovative solutions for a sustainable society			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner <b>Finnish Ministry of Environment</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
Decades of expertise in participation in EU, Nordic and national research programmes on climate change research from impacts to policy development. This includes in particular operational services for flood protection.			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Hydrological data quality assessment and modelling, visualization of outputs for specialized use, including flood risk mapping. Analysis of impacts of climate change.  Tools for data management and analysis are made publicly available.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
Research professor: climate change impacts and vulnerability research Postdoc researchers: scenarios of floods and flood impacts Senior scientists: estimating impacts of floods and climate change, analysis of scenarios PhD Students: studies on climate change impacts and development of adaptation measures			
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.			
Does the participant envisage that part of its work is performed by a linked third party.			N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)			N

<b>Name of organisation</b>	BRGM, the French Geological Survey		
<b>Short name</b>	BRGM	<b>Country</b>	France
<b>Brief description of the legal entity</b>			
<p>BRGM (the French geological survey – <a href="http://www.brgm.fr">www.brgm.fr</a> ) is a French public institution in Earth Sciences. It provides R&amp;D and expertise for public policies, decision making and citizen information in different fields of its competences. Its activities in the fields of geoscience encompass the following domains: geology, geothermal energy, mineral resources, geological storage of CO<sub>2</sub>, risks, post-mining, environment and ecotechnologies, experimentations, and geo-information technologies.</p> <p>BRGM contributes to the French climate change adaptation process engaged since 2006, including through:</p> <p>(1) assessments of local coastal, geological and water resources risks affected by climate change in support to the local risk and land use planning policies</p> <p>(2) contributions to national evaluations of costs from risks affected by climate change in France.</p> <p>(3) contributions to the planning and implementation of the French national plan for climate prevention, which promote adaptation through the integration of consideration of climate change in public policies such as risk prevention, land use planning and development and water management.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner: <ul style="list-style-type: none"> <li>- French ministry of Research</li> <li>- French ministry in charge of Environment (MEEDE)</li> </ul>			
<b>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>BRGM participates to the national implementation of the climate services focusing on:</p> <ul style="list-style-type: none"> <li>(i) the IT services and data architecture component of climate services</li> <li>(ii) the impacts of climate change at the coast, on geological risks and groundwater resources</li> </ul> <p>This takes the form of own funded research projects, transfer of results of PhD thesis co-directed with other partners (e.g. <a href="http://bobwa.brgm.fr/">http://bobwa.brgm.fr/</a>), and participation to the national coordination group for the implementation of climate services in France.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Active role in: <ul style="list-style-type: none"> <li>- WP3 : preparation and launch of the co-funded call (in-kind)</li> </ul>			

<ul style="list-style-type: none"> <li>- WP4 (Evaluation and proposal selection of the co-funded call)</li> <li>- WP5: Monitoring and assessment of projects resulting from the overall co-funded call</li> <li>- WP6 (communication, exploitation and dissemination of results)</li> <li>- WP9 (Co-alignment of national activities)</li> </ul> <p>The Directorate in Charge of Research, Development and of the Strategy at BRGM owns expertise in these three aspects through (1) regular in-kind call for proposals within BRGM (2) participation to the national and European preparation and selection of research projects (3) communication, exploitation, dissemination and transfer of research results to public policies and the private sector.</p>	
<b>Short profile of staff member(s) who will be undertaking the work</b>	
<p>François CLIN is currently responsible for the scientific evaluation within the corporate strategy directorate of BRGM. His scientific background is on technical Research and development activity in the field of mineral processes, waste management and ecotechnologies. From 1974 until 1990, he managed 8 European framework programmes at BRGM. From 1990 to 2010, he was positioned at the French ministry in charge of Research, where he was deputy director of the scientific department "Energie, développement durable, chimie et procédés". He was especially in charge of the coordination, monitoring and reporting of the French research programmes on climate challenges, including: the "réseau de recherche et d'innovation technologique", GIP hydrosystèmes, steering committees of the ANR on environment, energy and ecotechnologies, Programme 189 on "environmental research" of the "mission interministérielle pour la recherche et l'enseignement supérieur".</p> <p>In addition, he was representative of the ministry for the administration of French and international organisations concerned with these topics:</p> <ul style="list-style-type: none"> <li>- research organisations, specialized agencies : e.g., ADEME, ONERC, ONEMA, CSTB, LCPC IFEN... :</li> <li>- scientific and technical committees: e.g., Fonds français pour l'environnement mondial, Fonds Grenelle et Grand Emprunt "démonstrateur de recherche", Conseil d'orientation des risques naturels majeurs", Commission des comptes et de l'économie de l'environnement, conseil supérieur de la forêt et des produits forestiers, comité du plan urbanisme constructions architecture, comité de coordination des sciences de la planète et de l'environnement, comité de pilotage de la mise en œuvre conjointe (MOC) du protocole de Kyoto, Observatoire du Sahara et du Sahel, comité français de la désertification, programmes de la science et la technologie pour le développement durable (OCDE), Water Research Policies in Europe, SIG Afrique...).</li> </ul> <p>He was recently involved in the works of the French ANR-supported ARP on climate geoengineering 'REAGIR'. He is the head for the redaction of « Geosciences » the "BRGM journal for the sustainable earth".</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	Y
A large part of BRGM programmes for research and support to public policies are established annually on the basis of financial agreements with third parties such as the	

ministry of environment and French regions. Their contributions as co-funding third-parties will be considered for the implementation of the selected research projects.

<b>Name of organisation</b>	Commissariat à l'énergie atomique et aux énergies alternatives		
<b>Short name</b>	CEA	<b>Country</b>	FRANCE
<b>Brief description of the legal entity</b>			
<b>Brief description of the legal entity</b>			
<p>The CEA is a French public technological research organization, established in October 1945.</p> <p>With more than 26.000 employees (researchers, engineers, technicians and administrative staff), a budget of 4.3 billion euros, CEA is active in four main areas: low-carbon energies, defense and security, information technologies and health technologies.</p>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner Ministère de l'Education nationale, de l'Enseignement supérieur et de la Recherche (MENESR)			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation.			
<p>Programs where CEA is involved concerning climate services :</p> <p>FP7 : IMPACT2C, HELIX</p> <p>Studies, involving stakeholders, concerning the impacts of climate change in Europe and in the world</p> <p>FP7 SPACE (Copernicus) : CLIP-C, ERA-CLIM2, EUCLEIA</p> <p>CLIP-C aims at developing a platform of data services for adaptation</p> <p>ERA-CLIM2 aims at a developing a climate reanalysis using a coupled ocean and biogeochemical cycles</p> <p>EUCLEIA aims at developing an attribution service for explaining extreme events in the context of climate change</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>CEA will participate to :</p> <p>WP3 : preparation and launch of the co-funded call (in-kind)</p> <p>WP7 Coordination with other initiatives</p> <p>WP9 (Co-alignment of national activities)</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<ul style="list-style-type: none"> <li>- François-Marie Breon is the deputy head of the Climate and environmental science laboratory of CEA (320people). He is responsible of the scientific programme on climate at CEA and well experienced in management and evaluation of proposals</li> <li>- Corinne Borel is the director of expternal partnership at CEA. She is deeply involved in European programmes and initiatives like Climate KIC.</li> </ul>			
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.			



Does the participant envisage that part of its work is performed by a linked third party.	Y
Part of the work of the resulting projects might be carried out by the following third parties legally linked to CEA through a joint research unit (JRU): Université Versailles-Saint-Quentin (UVSQ)	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
<i>If yes, describe the third party and their contributions</i>	

<b>Name of organisation</b>	<b>Centre national de la recherche scientifique</b>		
<b>Short name</b>	CNRS	<b>Country</b>	FR
<b>Brief description of the legal entity</b>			
<p>The Centre National de la Recherche Scientifique (CNRS) is a government- funded research organization, under the administrative authority of France's Ministry of Research. With more than 32.000 employees (researchers, engineers, technicians and administrative staff), a budget of 3 billion euros, the CNRS is active in all fields of knowledge, drawing on more than 1200 research joint units.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
<p>In case you are a Programme Manager, please name the respective Programme Owner: Ministère de l'Education nationale, de l'Enseignement supérieur et de la Recherche (MENESR)</p>			
<b>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>As one of the 10 thematic institutes of CNRS, INSU, the National Institute for Earth Sciences and Astronomy (INSU) elaborates, develops and coordinates <b>research programmes in oceanic, atmospheric, and climate sciences</b>. Within its field, INSU undertakes and coordinates research performed at national and international level by CNRS and other public French research bodies. The institute is also operating various facilities: observatories, platforms, observation services and e-infrastructures (databases, community models, centres for satellite data analysis).</p> <p>CNRS is involved in many European projects dealing with oceanic, atmospheric, and climate sciences and infrastructures like ACTRIS, JERICO, ICOS, IAGOS, IS-ENES, ENVRI, ATLANTOS, MACC, My Ocean.</p>			
<b>Main tasks attributed the proposed action and the previous experience relevant to those tasks</b>			
<p>Partner in Task 3.1. In-kind topic focus and sub-topics selection  Partner in Task 3.2. Preparation of the in-kind topic call specificities for the call</p> <p>WP9 (co-leader) Task 9.1 Develop a strategic and multi-annual roadmap of the RFO and RPO priorities within the ERA4CS members</p> <p>By managing an annual national call in global environment and climate (LEFE) and being involved in European joint programming and joint calls (JPI Climate and JPI Ocean, ERANET-MED), CNRS-INSU is experienced in topic selection and drafting of call texts. By producing national multi-annual roadmaps in the fields of Oceanic and Atmospheric Sciences and of Continental Surfaces, and by participating in European strategic Research Agendas (JPI Climate, JPI Ocean, EU-PolarNet), CNRS-INSU is experienced in coordinating pan-European research among national programmers.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			

<p><b>Philippe Bertrand</b> is currently Deputy Scientific Director at CNRS-INSU (National Institute for Earth Sciences and Astronomy) in charge of Oceanic and Atmospheric sciences. As such he will be coordinating the participation of CNRS in ERA4CS. He is a senior scientist in Ocean sciences and bio-geo-chemical cycles in relation with paleoclimatology. He was former Director of the Joint research unit « Environnements et paléoenvironnements océaniques et continentaux (EPOC) » in Bordeaux.</p> <p><b>Sylvie Joussaume</b> is a senior scientist at CNRS in climate modelling. She has been involved in IPCC Assessment reports since the third report. She was former Director of CNRS-INSU. She has been the French representative in the ESFRI Environmental working group for the updates of the ESFRI roadmap in 2008 and 2010. She is coordinating the FP7 ISENES project. She is chair of WP2 in the JPI Climate Management Committee.</p> <p><b>Marie-Alice Foujols</b> is research engineer at CNRS. She was in charge of coordinating technical aspects of the Earth system model at IPSL (Institut Pierre Simon Laplace) from 2004 until 2014. Since 1/1/2015, she is working as IPSL deputy director in charge of computing aspects. She has an expertise in high performance computing since 25 years and an expertise in climate modeling since 20 years</p> <p><b>Elisabeth Kohler</b> is head of the Department for European and International Affairs at CNRS-INSU. As senior project manager, she is involved in many European projects, including ERANETs.</p> <p><b>Antoine Weexsteen</b> is a senior European project manager working at the Department for European and International Affairs Department at CNRS/INSU.</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
Not relevant for in-kind partners	
Does the participant envisage that part of its work is performed by a linked third party.	Y
<p>Part of the work of the resulting projects might be carried out by the following third parties legally linked to CNRS through joint research units (JRU):</p> <ul style="list-style-type: none"> <li>- Université Pierre et Marie Curie (UPMC)</li> <li>- Université Versailles-Saint-Quentin (UVSQ)</li> <li>- Université Paul Sabatier (UPS)</li> <li>- Université Joseph-Fourier (UJF)</li> <li>- Université Paris-Est Créteil (UPEC)</li> </ul>	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
If yes, describe the third party and their contributions	

<b>Name of organisation</b>	Institut National de l'information géographique et forestière		
<b>Short name</b>	IGN	<b>Country</b>	France
<b>Brief description of the legal entity</b>			
<p>The National Institute of Geographic and Forest Information is the French National Mapping Agency. It is placed under the responsibility of the Ministry for Sustainable Development and of the Ministry of Agriculture. Its general purpose is to describe from a geometrical and physical point of view the surface of the French national territory and its land-cover. IGN is also carrying out research through 5 laboratories in the following fields: geodesy, image processing, geographical information systems, optics and electronic.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner: Ministry of Environment, Sustainable development and Energy of France.			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>The scientific program of IGN is carried out within the framework of the program 159 of the French Law of Finance. It is followed up by the Scientific and Technical Board of IGN and evaluated by the Research and Higher Education Evaluation Agency (AERES). This program aims at enhancing the French research in the areas of skills of IGN, particularly in the field of the data infrastructures that are required both to locate spatially and temporally the elements of the territory and to understand the dynamics and the correlations between them. It is also designed to meet the growing requirement for a better understanding of the phenomena occurring over a territory and to meet the requirement for a professional process of definition, implementation and assessment of public policies.</p> <p>It deals with the setup of technologies, tools and methods enabling the automatic update and enrichment (with more details, more semantic information, etc) of the existing spatial data repository on the one hand and on the other hand with the design of new spatial data that would be useful to a greater scope of users and applications. Mainly focused upon information and communication technologies and sciences, it involves taking part in the design and the specification of those reference data with prospective users, setting up prototype processes for automated data collection, designing infrastructures and technologies enabling to structure, manage, visualize and provide data, and designing technologies and services allowing a user-friendly integration of the data into current applications as well as into new use cases.</p> <p>A significant part of these research works is carried out through research and/or industrial partnerships so as to foster cross-domain skills mobilisation as well as to foster the dissemination of the results to many users.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>- Action 1: <u>Geo-visualisation of results of climate simulators</u>. IGN is a recognised specialist of geo-visualisation. Indeed IGN is the operator of the <i>Géoportail</i> (<a href="http://www.geoportail.gouv.fr">www.geoportail.gouv.fr</a>), a geo-web-browser which is a national operational infrastructure fully INSPIRE-compatible for visualising and accessing multi-layer</p>			

geographical information in 2D and 3D (the ones produced by IGN and the ones produced by other institutional partners) across the web at a national level (*i.e.* on all the French territory). This topic of Geovisualisation and infrastructures for Geovisualisation is also a strong research theme in IGN's research programme (and some of this research has also been financed by ANR in the MDCO program, namely the iTowns project, and in the BioEnergies program, namely the Foresee project). One of the current issues and locks of Geovisualisation for climate change is the representation of climate simulation predictions which are intrinsically uncertain on the one hand to decision makers in order to improve the taking into account of the climate predictions in their planning at a local, regional or national level and on the other hand to French or European citizens in order to sensitize them to climate change effects to impact their behaviour. This would include research works as well as a 'proof of concept', aiming at demonstrating the added-value of the integration of geovisualisation in the climate services. Thus, research as well as downstream development works (enabling the research results to be more easily incorporated into climate services) are targeted.

- Action 2: Development of algorithms/methods and of prototype web-services to serve topographic and land cover data in a transformed and aggregated way in order to be directly compliant with the inputs of the new generation meteo and climate simulators.
- Action 3: Design of a nomenclature for climate-compliant land cover data bases. IGN is currently producing the first very high resolution (meter resolution) national land cover layer (which will become one of the layers of the French large scale reference database) in partnership with some French regions. The specification of this land cover data base is standard and not specifically adapted to the needs of meteo and climate simulations. The design of a multi-LOD (Level Of Detail) land cover nomenclature is necessary in order to allow sharper and more reliable simulations at a local, regional or national level.
- Action 4: Design and set-up of a prototype line for producing land cover data meeting the needs of climate simulation. This prototype is necessary on the one hand to evaluate the cost of a specific land cover production on large extent of territories and on the other hand to benchmark the impact of new methods and algorithms elaborated by researchers on production times.
- Action 5: Setup of services dedicated to analyse land cover evolutions for the evaluation of climate change. The evolution of land cover is likely to provide clues of climate change. IGN is currently producing georeferenced data that could serve as a basis to analyse those evolutions: orthophotographies that were taken before 1965 and land cover maps based on the analysis of the former military maps of France which will supply a map of past land cover.

IGN intends to develop services targeting the analysis of land cover evolutions meant to be used by climate change assessment. In addition, IGN intends to develop services aiming at using its national forest inventory data that have been collected for more than 50 years for the purpose of climate change assessment.

#### **Short profile of staff member(s) who will be undertaking the work**

- One project leader (20% on 4 years)
- One PhD Director (10% on 3.5 years)
- One senior researcher on geovisualisation (25 % on 4 years)
- One junior researcher preparing a PhD (100 % on 3.5 years)
- One senior researcher on image processing for land cover productions (25% on 4 years)

<ul style="list-style-type: none"> <li>- One development engineer on the development of the climate specific prototypes, webservices (especially geo-visualisation services) for a better use of geo-data for climate applications and on the integration of image processing algorithms and methods in a production workflow (50% on 4 years)</li> <li>- One development engineer dedicated to services based on land-cover and national forest inventory data (50% on 4 years)</li> </ul>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
Not applicable	
Does the participant envisage that part of its work is performed by a linked third party.	N
<i>If yes, describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party</i>	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
<i>If yes, describe the third party and their contributions</i>	

<b>Name of organisation</b>	<b>Institut National de Recherche Agronomique</b>		
<b>Short name</b>	INRA	<b>Country</b>	FRANCE
<b>Brief description of the legal entity</b>			
<p>The FRENCH NATIONAL INSTITUTE FOR AGRICULTURAL RESEARCH (INRA) is the leading European agricultural research institute and one of the foremost institutes in the world for agriculture, food and the environment. It is also the second largest public research institute in France.</p> <p>INRA is an organisation that conducts targeted research in a variety of scientific disciplines: life sciences make up the majority of the Institute's work (68% of INRA's scientific expertise), followed by environmental sciences and processes (12%), ecological engineering, ecotechnologies and biotechnologies (8%), and finally economic and social sciences (8%) and digital sciences (4%)</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			No
Programme Owner			No
Programme Manager			Yes
In case you are a Programme Manager, please name the respective Programme Owner: <b>Ministère de l'Enseignement Supérieur et de la Recherche</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p><b>INRA Metaprogramme Adaptation of Agriculture and Forest to Climate Change (AAFCC)</b></p> <p>AAFCC aims to understand the combined effects of various global changes caused by climate change on agriculture and natural environments, and to consider adaptation strategies as well as their environmental and socio-economic consequences.</p> <p>AAFCC Metaprogramme was officially launched by INRA in 2011 to face these challenges. It mobilizes multidisciplinary scientific expertise on adaptation to climate change and has so far supported more than 25 national and international research projects on annual and perennial crops, livestock, forests, biodiversity and water and soil resources.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>The proposed action concerns the implementation of a portfolio of climate services accessible via the Internet, and grouped together on a single web site.</p> <p>AAFCC portfolio of services project intends to form a generic portal on the impacts and effects of adaptation options for public and scientific users. This portal aims both to quantify the impacts (positive or negative) of climate changes and of the practices on flows and returns, and it may also provide indicators on systems which may eventually evaluate the effectiveness of adaptation.</p> <p>This portfolio will be based on the development of an integrated modelling chain that will provide a forcing by downscaled climate projections of coupled hydrological models and</p>			

agricultural and forestry models. This state-of-the-art modelling chain will be developed through collaboration with a range of French scientific institutions (including BRGM, CEA, CEFAPACS, CNRS, IRSTEA and Météo-France) and by developing further partnership with a range of partners in Europe.

Based on this modelling chain, the portfolio will scan different elements, from climate to water resources, integrating farming or forestry practices and their conditions to limits as climate, irrigation and groundwater level. It will serve as a support to develop integrated water management and adaptation to climate change in agriculture and forestry (adaptive management and strategic adaptation).

Former research project such as CLIMATOR (coord. N. Brisson) have demonstrated the relevance of coupling climate and vegetation model to assess the impacts of climate changes on various systems (crops, forests). However, this work was based on ancient IPCC scenarios and did not take into account adaptation strategies. Furthermore, the hydrology dimensions were poorly developed.

Using new climate projection as provided on DRIAS website, it is proposed to analyse their impacts and to assess the efficiency of adaptation measures for various sectors at the scale of climate predictions (8 x 8 km) to take into account local heterogeneity or variability.

INRA teams have an excellent international reputation and a confirmed experience in the development and assessment of crop, grassland (e.g., STICS, PASIM), forestry (e.g., GO+, NoTG, Castanea, Niche-based model) and water dynamics (e.g., BILJOU) models. A number of these models are also involved in international actions on the inter-comparison and improvement of models such as AgMIP (see [www.agmip.org](http://www.agmip.org)) and MACSUR (see [www.macsur.eu](http://www.macsur.eu)).

They also have skills in the development of modelling platforms (e.g., RECORD, CAPSIS) that give the opportunity to integrate models or make them communicate. Moreover, they are experienced in the elaboration of database to store, secure and disseminate environmental (e.g., ecoinformatics and SOERE databases, INFOSOL database), agro-climatic (e.g., CLIMATIK database, agroclimatic in season monitoring-‘Veille Agro-Climatique’) and agronomical (e.g., AGROSYS database) data.

#### **Short profile of staff member(s) who will be undertaking the work**

**AAFCC Metaprogramme** - T. CAQUET, AAFCC director, head of Forest, Grassland and Freshwater Ecology division; N. BREDA, P. DEBEAKE, J.P. AMIGUES, K. CHALVEY-MONFRAY, J.M. TOUZARD, H. MCKHANN, B. LACOR, AAFCC metaprogramme, members of the steering committee; A. CHENOT, IR, benchmark and specifications;

**Scientific Direction for Environment.** J-F. SOUSSANA, Scientific Director for Environment of INRA and C. GASCUEL-ODOUX, Deputy Scientist for Soils and Water research.

**INRA Agroclim Service Unit** - Patrick BERTUZZI, IR, Head of the Unit; Inaki GARCIA DE CORTAZAR, IR, phenology; Frédéric HUARD, IR: agroclimatic (e.g., CLIMATIK database, agroclimatic monitoring-‘Veille Agro-Climatique’) databases and tools ; STICS crop model maintenance and improvement.

**INRA Infosol Service Unit**- Marion BARDY, IR, Head of the Unit; soil databases and expertise soil mapping, pedotransfert functions.



<b>INRA CATI SIOEA</b> - Alain BENARD Data Processing Automated Centre, Information Systems of Observation data and Experimentation of Agroecosystems	
<b>INRA CATI IUMA</b> - Nicolas DONES; Data Processing Automated Centre, Computerization and use of models devoted to Agroecosystems	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
none	
Does the participant envisage that part of its work is performed by a linked third party.	No
<i>If yes, describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party</i>	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	No
<i>If yes, describe the third party and their contributions</i>	

<b>Name of organisation</b>	<b>Météo-France</b>		
<b>Short name</b>	Météo-France	<b>Country</b>	FR
<b>Brief description of the legal entity</b>			
<p>Météo-France is the French national organization in charge of weather and climate services. It is a public organization, with a climate service department of about 50 staff and a research department of about 350 staff, including 50 scientists addressing climate change and related impacts. Our research department is a the regular provider of climate scenarios for CMIP global and regional projects, in support of IPCC reports, and their model has ranked among the best models for the simulation of the current global climate according to independent evaluations using CMIP5 data. We are also contributing to a number of FP7 and H2020 research projects. We are currently bidding for contracts with the Copernicus services for Atmosphere, Marine and Climate. Our climate services department is deploying a number of institutional and commercial offers to help all types of users to prepare and adapt to climate change. For instance, we operate the DRIAS Internet Portal which distributes detailed data on future climates over the French territory. We also coordinate the collaboration between several French public organizations towards the creation of coordinated data and information portals on climate change impacts. It is expected that staff from both the research and services departments will team up to send proposals in response to the ERANet Climate Services in-kind call.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner <b>Ministry of National Education, Higher Education and Research</b> (by request of the Ministry of Ecology)			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>With our own funding we conduct research on numerical weather prediction, processes of the environment (e.g. field experiments on atmospheric processes), development of novel observing systems, and climate model development.</p> <p>Météo-France has framework agreements with French CNRS and contributes to fund several research programmes coordinated by this organization such as LEFE, MISTRALS, EC2CO, PNTS, etc...</p> <p>Météo-France has an agreement with CNRS and CNES to jointly operate research aircraft for the environment; it is therefore contributing to the European research infrastructures on environment.</p> <p>Météo-France is a registered member of JPI-Climate and KIC-Climate.</p> <p>Scientists in our research and climate departments bid regularly to national and European programmes such as ANR, FP7, H2020, Copernicus, GICC (Gestion des impacts du changement climatique), etc...</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Météo-France research department will participate in WP3 (preparation of in-kind call).			

Météo-France scientist will bid to obtain projects in the in-kind call.	
<b>Short profile of staff member(s) who will be undertaking the work</b>	
<p>Philippe Bougeault, Director of research department. Has 20 years of experience as scientists, followed by 20 years of experience as research manager. Was Head of research department at ECMWF, then Director of research at Météo-France. Current member of ANR, AllEnvi, and CNES programme committees. Former member of Met Office Hadley Centre Science Review Group,</p> <p>Philippe Dandin, currently deputy director of research department, previously director of climate service department. He will be in charge of contributing to the discussions to frame the call. He is also a contributor to the working groups of the Climate JPI.</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>National Center for Scientific Research Demokritos</b>		
<b>Short name</b>	NCSR	<b>Country</b>	Greece
<b>Brief description of the legal entity</b>			
<p>The Institute of Nuclear &amp; Radiological Sciences and Technology, Energy &amp; Safety (INRASTES) is the largest Institute of the National Centre for Scientific Research "Demokritos" (NCSR "D") in terms of infrastructure and the second largest in terms of number of personnel. INRASTES has been established in April 2012 as the result of a merger between the former Institute of Nuclear Technology &amp; Radiation Protection and the former Institute of Radioisotopes &amp; Radiodiagnostic Products (INT-RP &amp; IRRP, respectively).</p> <p>The new entity is a multidisciplinary research Institution pursuing basic, translational and applied research to address challenges of great scientific and socioeconomic impact in a broad spectrum of scientific and technological fields. With its highly qualified staff and large scale, unique nationwide facilities, INRASTES satisfies the necessary conditions and possesses the potential to achieve critical masses and direct synergies among the various labs and research groups under wide thematic areas creating significant growth prospects and bringing clear socio-economic benefits.</p> <p>The main expertise of INRASTES in the domain of Air Quality – Climate Change include:</p> <ul style="list-style-type: none"> <li>• Operation of the Demokritos supersite for Aerosol Properties Research and technology applications in Atmospheric Pollution and Climate change. First Data for 2008 have been published in the EBAS Global Database (<a href="http://ebas.nilu.no/Default.aspx">http://ebas.nilu.no/Default.aspx</a>) operated by the European Supersites Atmospheric Aerosol Research program (EUSAAR).</li> <li>• Development of state-of-the-art software for diagnostic and prognostic meteorology and for simulations of atmospheric dispersion and transformation of pollutants in complex terrains for studying releases and dispersion of hazardous pollutants from sources of different configurations. Installation and operation of high resolution weather forecasting system with focus on the Greater Athens Area linked to the Community Model for Air Quality (CMAQ) enabling the participation in AQMEII (Air Quality Model Evaluation International Initiative).</li> <li>• Installation of two global models (the NASA GISS Model E global climate model and the NASA Global Modeling Initiative (GMI) chemistry and transport model) on the existing computational infrastructure along with the Climate Data Analysis Tools (CDAT)</li> </ul>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner <b>General Secretariat for Research and Technology (Greece)</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>Recent Expertise:</p> <p>1. Enhancing the capacity for Environmental Technology and Climate Research – FP7 REGPOT. EnTeC aspires to enhance the R&amp;D potential of the INRASTES of NCSR, Greece, by establishing a research infrastructure for Environmental Technology and Climate Research in the field of atmospheric pollution and climate change assessment of the Southeast European region (<a href="http://cordis.europa.eu/project/rcn/104997_en.html">http://cordis.europa.eu/project/rcn/104997_en.html</a>)</p>			

<p>2. Study of climate change and atmospheric pollution in Greece: evaluation of their impact on environmental and socio-economic future changes at local scale- "Climate Change Impact". Integrated Design for Environmental and Energy Applications (IDEEA)</p> <p>3. A panEuropean framework for strengthening Critical Infrastructure resilience to climate Change [653824 — EU-CIRCLE, under grant preparation] Project Coordinator</p> <p>4. COST ACTION ES1102 , Validating and Integrating Downscaling Methods for Climate Change Research (2011-2015)</p> <p>5. Development &amp; Demonstration of management plans against the climate change enhanced-invasive mosquitoes in S. Europe, EUROPEAN COMMISSION ENVIRONMENT/LIFE</p>	
<p><b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks</p>	
<p>Participate in the in-kind research activities institutional integration of the research components of national or regional-level climate services. Contribute to the development of common methodologies and tools, the influence of projections and scenario uncertainties on the Climate Service products for specific sectors.</p>	
<p><b>Short profile of staff member(s) who will be undertaking the work</b></p>	
<p><b>Dr. Athanasios Sfetsos</b>, received a B.Sc. in Physics from University of Patras in 1995. He obtained a Ph.D. in Electrical Engineering from Imperial College, University of London. Currently he is a Research Scientist at the Environmental Research Laboratory at NCSR Demokritos. His research interests fall to the thematic priorities meteorology climate and environmental modelling and environmental management systems for the protection and risk analysis of natural disasters. He has co-authored more than 140 papers in refereed journals and conference proceedings. He is the project coordinator of H2020 project EU-CIRCLE and PI (for NCSR) in three FP7-Security projects has participated in more than 15 national and EU funded projects.</p> <p><b>Dr. Diamando Vlachogiannis</b> is Senior Researcher in the Environmental Research Laboratory of NCSR "Demokritos" and has significant involvement in European research projects of FP5, FP6 and FP7. She has successfully coordinated an FP5 EC project and two research projects funded from National (Greek) sources. She has been the scientific person in charge of four EC funded projects and she carries important expertise in the management of several national and European projects. She is the national representative in COST ACTION ES1102 (2011-2015). She has been invited by the EC to act as an evaluator in FP7 and Horizon2020 Marie Curie programmes. She holds a Ph.D. in Atmospheric Physics 1997 (Imperial College, London), M.Sc. in Remote Sensing 1993 (UCL, Imperial College, London), B.Sc. in Astrophysics 1992 (University College London). She has produced 25 publications in international journals, 8 chapters in books and 55 publications in international refereed conferences. Her research interests are in the areas of atmospheric physics with applications in environmental quality and climate change, atmospheric modelling, physical and chemical processes of the troposphere, emissions inventories and urban pollution, impact of global climate change on regional scale, solar influence on stratospheric ozone.</p>	
<p>Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.</p>	
<p>N/A</p>	
<p>Does the participant envisage that part of its work is performed by a linked third party.</p>	<p>N</p>

Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	Met Éireann		
<b>Short name</b>	Met Éireann	<b>Country</b>	Ireland
<b>Brief description of the legal entity</b>			
Met Éireann, the Irish National Meteorological Service, is a line division of the Department of the Environment, Community and Local Government.			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner:			
<b>Department of the Environment, Community and Local Government</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
EC-Earth – global climate modelling HIRLAM – NWP modelling; regional climate modelling Re-analysis of Irish climate Irish EPA-funded Fellowships – Irish climate			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Met Éireann is responsible for monitoring the Irish climate by maintaining an observational network and analysis of climate variables.			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
Ray Mc Grath is head of the Research, Environment and Applications Division of Met Éireann. He has been involved in various climate projects over the past 12 years: C4I (an Irish regional climate modelling program); ENSEMBLES (FP6); EC-Earth. He is the Irish representative for the HIRLAM Consortium, and the WMO IBCS.			
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules			
N/A			
Does the participant envisage that part of its work is performed by a linked third party			N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)			N

<b>Name of organisation</b>	<b>Centro Euro-Mediterraneo sui Cambiamenti Climatici S.c.a r.l.</b>		
<b>Short name</b>	CMCC	<b>Country</b>	IT
<b>Brief description of the legal entity</b>			
<p>The Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC) is a non-profit research institution (<a href="http://www.cmcc.it">www.cmcc.it</a>). CMCC's mission is to investigate and model our climate system and its interactions with society to provide reliable, rigorous, and timely scientific results, which will in turn stimulate sustainable growth, protect the environment, and develop science driven adaptation and mitigation policies in a changing climate. CMCC collaborates with experienced scientists, economists, and technicians, which work together in order to provide full analyses of climate impacts on various systems such as agriculture, ecosystems, coasts, water resources, health, and economics. CMCC also supports policymakers in setting and assessing costs, mitigation, and adaptation policies.</p> <p>CMCC benefits from the extensive applied research experience of its consortium members: Istituto Nazionale di Geofisica e Vulcanologia (INGV); Università del Salento; Centro Italiano di Ricerche Aerospaziali (CIRA S.c.p.a.); Università Ca' Foscari Venezia; Fondazione Eni Enrico Mattei (FEEM), Università di Sassari, Università della Tuscia, Università degli Studi del Sannio. CMCC research activities are distributed among eight research divisions that share different knowledge and skills in the field of climate science: Advanced Scientific Computing (ASC) Division; Climate Simulation and Prediction (CSP) Division; Economic analysis of Climate Impacts and Policy (ECIP) Division; Impacts on Agriculture, Forests and Ecosystem Services (IAFES) Division; Ocean modeling and Data Assimilation (ODA) Division; Ocean Predictions and Applications (OPA) Division; Risk Assessment and Adaptation Strategies (RAAS) Division; Regional Models and geo-Hydrological Impacts (REHMI) Division.</p> <p>CMCC acquired portfolio of research projects includes 144 funded projects: 2 funded projects in FP6, 35 funded projects in FP7, 9 funded projects in H2020 and 98 funded projects under other EU and international research grants (tot. of ca. 44 M €). In about a half of the implemented projects, CMCC acted as the coordinator.</p> <p>CMCC operates its own Supercomputing Center (located in the "Ecotekne" Campus in Lecce) whose HPC facilities have been ranked, since 2008, in the 500 most powerful supercomputing systems in the world (316th at November 2013). Currently, there are two operating IBM supercomputers: Athena, the most powerful one (about 8000 Intel Xeon Sandy Bridge cores , 160 TFlops peak performance) and Calypso (960 IBM Power6 cores, 18 TFlops peak performance). Thanks to Athena, the CMCC HPC infrastructure is the third most powerful computational facility in Italy.</p> <p>For further information on CMCC please see Annual Report 2012 and CMCC Strategic Plan (<a href="http://www.cmcc.it/publications-type/annual-report">www.cmcc.it/publications-type/annual-report</a>).</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner: <b>Ministry of Education, University and Research (MIUR)</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p><b>CMCC is member of the Italian Network of Climate Services</b>, which is a panel coordinating the climate service activities at national level, fostering the dialog between service producers, stakeholders and policy and decision makers. Therefore, CMCC can act as a link between this Italian coordinated initiative on climate service provision and the</p>			



present proposal, transferring the relevant project products and information. CMCC is involved in **GEMINA project** funded by Italian Ministry of Education, University and Research (MIUR), Italian Ministry for the Environment, Land and Sea (MATTM). The project has a duration of five years and is divided into two Axes of Intervention:

- **Axis "A"**, focused on scientific research, the tools and service activities, is funded and coordinated by the MIUR: Project Management; Climate change, impact analysis and scenario development for mitigation and adaptation policies (Block 1: Climate Change and scenarios; Block 2: Impacts of Climate Change and applications; Block 3: Assessment of the risks posed by climate change; Block 4: Scientific Computing); Climate Services for society and industry; Training and dissemination.
- **Axis "B"**, focused on policies and support to international cooperation, funded and coordinated by the MATTM. The Axis "B" develops many partnerships with international scientific institutions with a particular focus on the United States of America and emerging countries such as China.

CMCC has also been involved in the process of a **National Adaptation Strategy to Climate Change (SNAC project)**, funded by the Italian Ministry for the Environment, Land and Sea), and in particular within the following specific tasks: Analysis and synthesis of knowledge base on climate change impacts, vulnerability and adaptation per sectors at the national level; Proposal for national governance for adaptation; Identification and involvement of stakeholders, support to IMELS for dialogue between national institutions; Definition of elements for developing a national adaptation strategy

At international level, CMCC has been actively contributing to the set up of the **JPI Climate - Joint Programming Initiative Connecting Climate Change Knowledge for Europe**. Indeed CMCC most qualified researchers have been involved as Coordinating Editors (in Module 2) and Main Contributing Experts for the **drafting of the JPI Climate Strategic Research Agenda**.

CMCC has been involved within the **JPI-Climate-CSA: Joint Programming Initiative Connecting Climate Knowledge for Europe - Coordination and Support Action**. The overall strategic objective of the JPI Climate is to contribute to highly coordinated knowledge development funded by EU Member States by not only improving the scientific expertise on climate change risks and adaptation options, but also by connecting that knowledge with decision-making on major investments in economic and societal sectors in Europe with respect to their climate resilience and climate friendliness.

The specific tasks CMCC has been involved within the JPI-Climate-CSA are: Task 2.1 "Module 1: Moving towards reliable decadal prediction" (WP2); Task 3.3 "Strategic liaison of the JPI Climate to European and international initiatives" (WP3); Task 4.2 "Instruments and demonstrators for joint actions" (WP4); Task 5.1 "Development of the JPI Climate dissemination and communication strategy" (WP5); Task 5.4 "Stakeholder outreach" (WP5)

CMCC has been coordinating since 2011 the **European Topic Centre European Topic Centre on Climate Change impacts, vulnerability and adaptation** (2011-2013; 2014-2018) financed by the European Environment Agency (EEA). The ETC/CCA supports the EEA in informing policy development and implementation in the area of CCIVA by means of data, information, indicators and assessments. In particular, the ETC/CCA: supports the development and implementation of the 2013 EU Strategy on Climate Change Adaptation, by assisting the maintenance of the European Climate Adaptation Platform (**Climate-ADAPT**); also it provides support to the development of some main EU environmental, sectoral and other policies that require mainstreaming of climate change adaptation: e.g. 2020 Biodiversity Strategy, 2012 Water Blueprint, Water Framework Directive, Floods Directive, ICZM Strategy.

Among the main objectives and expected results of the ETC/CCA there are: 1. Updated and improved information and indicators on CCIVA, including disaster risk reduction (DDR), and access to Copernicus climate change information services in the European Climate Adaptation Platform (Climate-ADAPT); 2. Updated and improved European Climate

Adaptation Platform (Climate-ADAPT); 3. Assessment of climate change impacts and vulnerability (indicator-based report); 4. Analysis and assessment report of national and sub-national adaptation policies contributing to the development by the EC of the Adaptation Preparedness Scoreboard; 5. Assessment report on climate change adaptation in Europe, by way of follow-up to 2013, in close connection with analysis of national and sub-national adaptation policies; 6. Assessment report on climate change impacts and adaptation in cities, Assessment of impacts of natural hazards (economic, human health, ecosystems); 7. Assessment report on climate change adaptation in the transport sector, including analysis of member country actions.

The **ORIENTGATE** project ([www.orientgateproject.org](http://www.orientgateproject.org)), coordinated by CMCC, aims to coordinate climate change adaptation efforts in SEE countries by building a lasting partnership between communities that produce knowledge and experimental studies, and communities that apply that knowledge. The project:

1. develops a comprehensive and consistent methodology for assessing the risks arising as a result of climate variability and change;
2. harmonise risk assessment and communication on the part of hydrometeorological services;
3. encourage the use of acquired climate adaptation knowledge and experience in territorial planning and development;
4. enhance capacity to reconcile the risks and opportunities inherent in environmental changes, including rising temperatures.

The core output developed by OrientGate is a set of web tools, designed to provide access to data and metadata from climate observations and simulations, available through a data platform connected to the European Climate Adaptation Platform (CLIMATE-ADAPT).

Other project outputs include six pilot studies of specific climate adaptation exercises developed by the project's three thematic centres; capacity-building seminars and workshops; and a working partnership among the hydro meteorological services of SEE countries. The web-based network makes all project data, documentation, discussions and guidelines accessible not only to the project partners but also to all interested SEE territories not directly involved in the project.

CMCC has participated in several **ERA-nets**, co-funded under FP6 and FP7, e.g. **CIRCLE2**, **Euwi-Era-net SPLASH**.

Within the framework of the **H2020 Programme**, CMCC has been involved in the set up of several proposals and consortia, with 9 projects funded so far, among which there are: **CRESCENDO**: Coordinated Research in Earth Systems and Climate: Experiments, kNowledge, Dissemination and Outreach; **PRIMAVERA** PProcess-based climate sIMulation: AdVances in high-resolution modelling and European climate Risk Assessment. Those research projects will provide scientific results and data relevant to Climate Services, while the present proposal will let to capitalize on their achievements and workplans.

Main tasks attributed the proposed action and the previous experience relevant to those tasks

Within this proposal, CMCC will be leader of **WP3 'Preparation of the co-funded call: in-kind topic'** and as such will be involved in all WP3 tasks. As leader on the in-kind call CMCC will contribute to WP 4 and 5 and thanks to its experience will effectively contribute to the dissemination tasks (WP6)

A large experience related to this topic and Climate Services has been gained by CMCC over the last year, particularly thanks to the involvement in the JPI Climate and within the JPI Climate CSA as partner. This experience will help finalizing the call topics.

Besides that CMCC has been also involved in other ERA-NET projects:

- **CIRCLE2**: Climate Impact Research and Response Coordination for a Larger Europe - Science meets Policy (FP7 - ERA-Net-2009-RTD)
- **Euwi-Era-net SPLASH**: Coordinating European water research for poverty reduction (FP6- ERA-NET-1-CA-SSA).

CMCC intends also to take part in the additional activities.	
Short profile of staff member(s) who will be undertaking the work	
<p>Dr. Antonio Navarra graduated in Physics in Bologna in 1980 and returned to Italy in 1986, after getting a Ph.D. at the Geophysical Fluid Dynamics Laboratory at Princeton University. He is Dirigente di Ricerca at the National Institute of Geophysics and Volcanology (INGV), where he carries out his activity in the field of the climate simulation with general circulation numerical models. He is now President of the CMCC Centro Euro-Mediterraneo sui Cambiamenti Climatici. The scientific interests of Dr. Navarra focus on the investigation of the dynamical mechanisms which control climate on the global scale, particularly regarding the natural climate variability of the atmosphere-ocean system on interannual, decadal and centennial scales. The general aim is to understand and document the main modes of climate variability on interannual and decadal scales (teleconnections) by means of statistical methods, numerical simulations and simplified models. These studies are the natural complement of the second activity field, which concerns the simulation and the evaluation of the climate changes using scenarios of the future climate. Dr. Navarra is also teaches in the PhD Program on "Science and Management of Climate Science" at Università Ca' Foscari, Venice. He is the author of several books and articles of general interest and contributes to national newspapers</p> <p>Dr Giulia Galluccio is head of the CMCC Fund Raising office since 2007. Her main assignment is to build a strong cooperation among CMCC Research Divisions, CMCC international partners and researchers facilitating research proposals preparation. Giulia got her Degree in Business Administration at Bocconi University and her PhD on Science and Management of Climate Change at Cà Foscari University of Venice with a thesis titled "The Role of Public-Private Partnerships (PPPs) in Scaling Up Financial Flows in the Post-Kyoto Regime".</p> <p>She has been working in climate change issues since 1997. Following a 10 year experience in the climate change consultancy sector (as manager of Global Sustainability Services at KPMG) and in the development of the new born carbon markets (developer and manager of DNV Italian Climate Change Services) she got a strong expertise in the development and management of new projects at international level. She directly coordinates and manages successful proposals, supporting the efficient and effective implementation of planned research activities. and she pursues at CMCC her research interest on climate finance and project financing mechanisms.</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>National Research Council of Italy - Department of Earth System Sciences and Environmental Technology</b>		
<b>Short name</b>	CNR-DTA	<b>Country</b>	Italy
<b>Brief description of the legal entity</b>			
<p>The <b>National Research Council of Italy (CNR)</b> is a public organization; its duty is to carry out, promote, spread, transfer and improve research activities in the main sectors of knowledge growth and of its applications for the scientific, technological, economic and social development of Italy. To this end, the activities of the organization are divided into several macro areas of interdisciplinary scientific and technological research: biotechnology, medicine, materials, environment and Earth System sciences, information and communications, advanced systems of production, judicial and socio-economic sciences, classical studies and arts. CNR is distributed all over Italy through a network of institutes aiming at promoting a wide diffusion of its competences throughout the national territory and at facilitating contacts and cooperation with local firms and organizations.</p> <p>The <b>Department of Earth System Science and Environmental Technologies (CNR-DTA)</b> is a member of the <b>Italian Network of Climate Services</b>, which is a panel coordinating the climate service activities at national level. CNR-DTA participates in several ERA-NETs and coordinates several H2020 projects. The activities of CNR-DTA are carried out by a staff of approximately <b>1100 people from 29 institutes</b>, supported by approximately 800 other collaborators. CNR-DTA is tackling some of this century's key environmental issues as the Climate Change, Natural Hazards and Sustainability of Natural Resources. CNR-DTA delivers independent research, survey, technologies and knowledge transfer in the Earth and environmental sciences to advance knowledge of the planet as a complex and interacting system. The mission of CNR-DTA is to gather knowledge and predict the behaviour of the Earth system and its resources to help a sustainable future for the planet and its mankind.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager		N	
Programme Owner		N	
Programme Manager		Y	
<b>Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>ECRA: European Climate Research Alliance. Coordination of the Collaborative Program on Changes in the Hydrological Cycle.</p> <p>GEO/GEOSS: Coordination of the GEO Ecosystem Task.</p> <p>GEO/GEOSS: Coordination of the GEO Global Network for Observations and information in Mountain Environments (GEO-GNOME).</p> <p>Belmont Forum: Coordination of the Collaborative Research Action "Mountains as Sentinels of Change".</p> <p>WMO - Global Atmosphere Watch (GAW): Management of two Global GAW stations and of several regional stations.</p> <p>EC-Earth: Coordination of the tuning working group for the global Earth System model EC-Earth.</p> <p>Coordination of several EU FP and H2020 projects.</p>			

**Main tasks** attributed the proposed action and the previous experience relevant to those tasks

Statistical/stochastic downscaling of climate information for local impacts: participation in several EU and national projects; scientific publications; design of operational downscaling chains).

Impacts of climate change and risk mitigation strategies (floods, landslides, water resources, mountain glaciers, aquifers): participation in several EU and national projects and programs.

Impacts of climate change on ecosystems and ecosystem services: participation in several EU and national projects and coordination of GEO/GEOSS activities.

**Short profile of staff member(s) who will be undertaking the work**

**Dr. Enrico Brugnoli** (male): Director of the Department of Earth System Science and Environmental Technologies of the Italian National Research Council from 2012. CNR Representative in the JPI Climate. From 2008 to 2012, Director of the Institute of Agro-Environmental and Forest Biology of CNR. From 1994 to 2002, Director of the Institute for Agroforestry of CNR. Formerly post-doc in plant physiological ecology at the Research School of Biological Science, the Australian National University in Canberra (Australia). He spent two years at the Carnegie Institution of Washington (USA) and at Stanford University (CA, USA) conducting research activities on the interactions between plants and the environment. His research activities focus on the interactions between biosphere and atmosphere, and application of stable isotopes to study the effect of climate change on biogeochemical cycles. He is member of several scientific societies and member of academy of Science. He has published more than 130 papers and book chapters and has conducted and leaded several national and international projects (European and international) also as coordinator.

**Dr. Elisa Palazzi** (female). Researcher at the Institute of Atmospheric Sciences and Climate of the Italian National Research Council, works on the study of the climate system and Earth-System processes, with a focus on the current and future evolution of the hydrological cycle and precipitation in mountain regions and climate downscaling/upscaling methods. She has significant experience in diagnostic tools to compare data from climate models and observations, thanks to her involvement in the SPARC Chemistry-Climate Model VALidation (CCMVal) activity and in the WaVaCS (Atmospheric Water Vapour in the Climate System) COST Action. Principal Investigator of the project DIMITRI, funded by the European Space Agency, on the use of satellite data to study transport processes in the atmosphere and across dynamical barriers. Co-coordinator of the Italian PAPRIKA-Karakorum project on the evolution of water resources in the Kararoram/Himalaya. Lead Participant for Italy of the Global Network for Observations and Information in Mountain Environments (GEO-GNOME), a component of the "Global Ecosystem Monitoring" Task of the GEO/GEOSS "Ecosystems" Societal Benefit Area.

**Dr. Antonello Provenzale** (male): Director of the Institute of Geosciences and Earth Resources of the Italian National Research Council. Research interests in Earth System Science, risks associated with climate change, climate downscaling/upscaling. Golden Badge Award of the European Geophysical Society (EGS) in 1997. Dozor Fellowship of the Ben Gurion University in Beer Sheva (Israel) in 1996. JILA Visiting Fellowship of the University of Colorado, Boulder (USA) in 1997. Member of the Summer Program on Geophysical Fluid Dynamics at the Woods Hole Oceanographic Institution, MA, USA. Invited professor at the Ecole Normale Supérieure in Paris in 2005, at the Université Pierre et Marie Curie in Paris in 2008 and 2009. Coordinator of the GEO Ecosystem Task "Global Ecosystem Monitoring". Coordinator of the GEO Global Network for Observations and information in Mountain Environments. Coordinator of the Collaborative Program "Changes in the Hydrological Cycle" of the European Climate Research Alliance (ECRA). Past

<p>coordinator of the Interdisciplinary Working Group "Nonlinear Processes in Geophysics" of the EGS, past Vicepresident for Europe of the "Committee for Mathematical Geophysics" of the International Union of Geodesy and Geophysics (IUGG). Node coordinator in EU, ESF and nationally funded projects. Coordinator of the National Project of Interest "NextData" of the Italian Ministry for Education, University and Research. Author of more than 150 papers in the international peer-reviewed scientific literature.</p>	
<p>Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.</p>	
<p>N/A</p>	
<p>Does the participant envisage that part of its work is performed by a linked third party.</p>	<p>N</p>
<p>Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)</p>	
<p>N</p>	

<b>Name of organisation</b>	<b>Royal Dutch Meteorological Institute (Koninklijk Nederlands Meteorologisch Instituut)</b>		
<b>Short name</b>	KNMI	<b>Country</b>	The Netherlands
<b>Brief description of the legal entity</b>			
<p>The Royal Netherlands Meteorological Institute (KNMI) is the national research and information centre for weather, seismology, climate and climate change in the Netherlands. KNMI has a long tradition in operational and scientific activities. Climate research at KNMI aims at observing, understanding and predicting changes in the climate system. KNMI produces climate scenarios to support stakeholders for developing adaptation and mitigation strategies. KNMI is part of the Ministry of Infrastructure and Environment.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			N
In case you are a Programme Manager, please name the respective Programme Owner			
-			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>The Netherlands National Knowledge/Innovation programme on Water and Climate (NKWK) is a novel collaboration structure, in which knowledge institutes and stakeholders, under supervision of the federal ministry, join forces in generating and applying research and innovations in the area of water and climate and their interactions. Research themes focus on climate adaptation of water management and water safety issues, including urban water management, coastal defense, current operational water management and resource allocation.</p> <p>KNMI's contribution to NKWK consists of constructing and tailoring climate scenario's, providing representative high-impact weather events used for stress-testing infrastructure, and optimizing monitoring practices.</p> <p>Team-work is the norm in NKWK: no central budget that is distributed, but a "joint programming" where core funds from institutes are directed at targeted projects.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
Still to be clarified			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p><b>Prof. Bart van den Hurk (M)</b> is head of the Modelling R&amp;D division of KNMI, and holds a chair at VU University Amsterdam. His main expertise is on diagnosing and understanding land-atmosphere interaction, developing climate scenarios for the Netherlands, and interpretation of complex climate information for society stakeholders. He coordinated an EU and national climate research projects.</p> <p><b>Janette Bessembinder(F)</b> is working for KNMI since 2005 on projects related to communication on climate (change) and integration of climate and climate impact data and information. She is heavily involved in climate services development, inventories of users' requirements related to climate (change) data and information, and tailoring of climate data for specific users. Since 2009 she has led several tailored climate services projects and she was work package leader of "Climate services" in Theme 6 (High quality climate</p>			

projections) of the national “Knowledge for Climate” programme. She has been involved in the development of the KNMI’06 and KNMI’14 climate scenarios, especially in the communication and tailoring of climate scenarios afterwards.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
In kind contribution: ...	
Does the participant envisage that part of its work is performed by a linked third party.	N/A
<i>If yes, describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party</i>	
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	Y/N
Other partners in the NKWK program may well be associated to this ERAnet.	



<b>Name of organisation</b>	<b>Norwegian Meteorological Institute</b>		
<b>Short name</b>	MET Norway	<b>Country</b>	Norway
<b>Brief description of the legal entity</b>			
MET Norway delivers weather forecasts and climate information – including design values for Norway. MET Norway is leading the Norwegian Centre for Climate Services (NCCS), which is responsible for providing decision makers in Norway with information relevant for climate change adaptation. NCCS is a collaboration between MET Norway, the Norwegian Water Resources and Energy Directorate (NVE) and Uni Research. NVE and Uni Research will be included as “third parties” in this proposal.			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner The Norwegian Environment Agency			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
The programme includes 1) based upon available projections of future climate (including hydrological variables), to develop climate indicators and design values on scales which - in space and time – are useful for society planning and for climate change impact research; 2) developing systems, including a web-portal, for disseminating relevant information to main user groups. The programme started in 2011 with in-kind contribution from the participating institutions only. In 2014 the Norwegian Environment Agency started supporting NCCS with approximately 0,33 M€ per year. The anticipated contribution from the Norwegian Environment Agency in the period 2017-2019 forms the in-kind contribution in the present proposal.			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
1 1.1 RCM downscaling; 1.2 ESD downscaling; 1.3 Bias adjustment and other post-processing; 1.4 Development of future indicators for extreme precipitation and urban flooding; 1.5 Development of future indicators for extreme wind; 1.6 Development of future indicators for river floods and storm water runoff; 1.7 Development of indicators for combined events (e.g. heavy precipitation and snowmelt on frozen ground, or storm surges and stream flood) 2 2.1 Development of info channels designed for the municipality planner; 2.2 Development of info channels designed for the environmental scientist; 2.3 Streamlining information about future climate for selected user groups			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
I.Hanssen-Bauer (MET Norway) Professor Hanssen-Bauer is head of the Norwegian Centre for Climate Services. During the last 30 years, she has been working with boundary layer climates, analyses of historical climate data and statistical downscaling of climate projections. She has taken part in a number of cross-disciplinary projects, focusing on developing meaningful climate indicators for climate impact researchers.  H. O. Hygen (MET Norway) Dr. Hygen is head of the Section for Climate Information at MET Norway. He holds a PhD in			

Meteorology. A main responsibility for his group is tailoring of climate information for planning purposes and climate impact research, as well as communicating this information to the users. Dr. Hygen has also engaged in communication climate information to the general public.

H. Hisdal (NVE), PhD, Section Head. Major activities: Research group and project leadership, Research related to: Hydrological modelling with a focus on stochastic hydrology, floods, droughts and low flows including climate variability and change and climate change adaptation. Current activities: Project leader of the NVE-part of the Norwegian Centre for Climate Services, Co-ordinating the climate change adaptation at NVE in particular related to integration of adaptation in water resources management and related to hydropower. Involved in research projects on effects of climate change on hydrology and barriers in climate change adaptation.

I. Haddeland (NVE), PhD, Senior Research Scientist. Major activities: Hydrological modelling for flood forecasting and climate impact studies. Implications of land use and climate changes for water resources, mainly focusing on water for agriculture and water for hydropower. Current research activities include projects related to the effects of climate change on hydrology in Norway and assessments of the implications of climate change for global water resources, their availability and water resources stresses, through the ISI-MIP global modelling intercomparison project.

S. Sobolowski (Uni Research)

Dr. Sobolowski is the leader of the Regional Climate and Climate Services group at Uni Research Climate. In this role he is responsible for managing a growing research team and the group's project portfolio in addition to the group's scientific and business strategies. He has a PhD. in Earth and Environmental Engineering from Columbia University and has a wide range of research interests from large-scale climate dynamics and circulation responses to human and natural forcings to catchment scale hydrological responses to same.

S. Mayer (Uni Research)

Dr. Mayer is a climate research scientist within the Regional Climate and Climate Services group at Uni Research Climate. She has strong expertise in the area of RCM downscaling, validation methods and processes in the atmospheric boundary layer. She has a PhD. in Meteorology from the University of Bergen, Norway. She represents Uni Research Climate in the Norwegian Climate Service Center's leader group.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

The financial support will be divided evenly between MET Norway, NVE and Uni Research

Does the participant envisage that part of its work is performed by a linked third party.	Y
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The Norwegian Water Resources and Energy Directorate (NVE) is subordinate to the Ministry of Petroleum and Energy and is responsible for administrating the nation's water and energy resources. The head office is located in Oslo, with five regional offices and approximately 500 employees. NVE is the national institution for hydrology and is regarded as the key research centre in the Norwegian hydrological community. Research on the impact of climate change on hydrology is a major activity. NVE has long-term hydrological observations, expertise in modelling, mapping and assessments and has become an important contributor to national and international climate research. Regarding climate change, NVE is responsible for: (i) monitoring, registering and documenting effects on hydrology; (ii) studying future changes; (iii) analysing potential consequences for Norway's water and renewable energy resources; and (iv) implementing adaptation measures. NVE

also has responsibility for national flood forecasting services and flood risk mapping in Norway. Being the administrative unit of the Norwegian water resources act, NVE has a leading role in flood contingency planning in collaboration with the municipalities in Norway. NVE is also responsible for reducing the risk of flood, landslide and avalanche hazards in Norway.

Uni Research Ltd is a research company with more than 400 highly qualified employees from 35 different nations. Uni Research was established as a limited company in 2013. Uni Research carries out research and development in the fields of health, environment, climate, energy and social sciences. Uni Research runs its climate research through the department Uni Climate, and is one of four partners in the Bjerknes Centre for Climate Research (BCCR). BCCR is the largest climate research centre in the Nordic countries with a focus on the natural science aspects of climate change. In 2012 Uni established a research group that concentrates on Regional Climate and Climate Services. The team of ten researchers, lead by Dr. Stefan Sobolowski, is highly active in a number of multi-disciplinary EU projects, research and capacity building projects in developing countries and nationally sponsored research activities. Uni Research Climate is also one of the founding partners of the Norwegian Climate Service Center.

NVE will participate in and/or lead task 1.3, 1.4, 1.6, 1.7, 2.1, 2.2 and 2.3.

Uni Research will participate in and/or lead task 1.1, 1.3, 1.5, 1.7, 2.1 and 2.2.

Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	Y
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See description above!

<b>Name of organisation</b>	<b>National Meteorological Administration</b>		
<b>Short name</b>	Meteo-Ro	<b>Country</b>	Romania
<b>Brief description of the legal entity</b>			
<p>The National Meteorological Administration (<a href="http://www.meteoromania.ro/">http://www.meteoromania.ro/</a>) is the national authority in the meteorological field in Romania, with a continuous activity since 1884. The main aim is to ensure the meteorological protection of life and property based on information on weather, warnings and forecasts to the decision makers and local communities. The main activities of the National Meteorological Administration (Meteo-Ro) are: performing measurements for monitoring weather and climate; carrying out weather forecast and warnings; research studies on atmospheric modelling, physics of the atmosphere and air pollution, regional climate variability and change based on dynamical and statistical downscaling; agrometeorological applied research; satellite, remote sensing and GIS techniques-based studies. The experts from Meteo-Ro are involved in the elaboration of key actions for impact assessment, such as the Romania's National Strategy on Climate Change and specialized reports related to climate change, adaptation and vulnerability assessment under the coordination of Agrometeorological Commission of World Meteorological Organization (WMO), United Nation Framework Convention on Climate Change and Intergovernmental Panel on Climate Change.</p> <p>Meteo-Ro coordinated projects within the main frame of national programs such as PNCDI II -National Programme of Research, Development and Innovation (CLIMHYDEX, GRIMPCLIM, GEODIM), Sectorial Plan of the Ministry of Agriculture and Rural Development – 2020 ADER 111, AEROSPATIAL, STAR. Meteo-RO has participated in FP5, FP6 and FP7 projects such as "Hydrometeorological data resources and technologies for effective flash flood" (HYDRATE), "ENSEMBLE-based Predictions of Climate Changes and their Impacts", "Central and Eastern Europe Climate Change Impact and Vulnerability Assessment" (CECILIA), "Understanding the Dynamics of the Coupled Climate System" (DYNAMITE), "Managing Metadata for Climate Models" (METAFOR), "European Reanalysis and Observations for Monitoring" (EURO4M), "GMES Service Snow and Land Ice" (CRYOLAND), "European Provision Of Regional Impact Assessment on a Seasonal-to-decadal timescale" (EUPORIAS) and "Uncertainties in Ensembles of Regional Reanalyses" (UERRA).</p> <p>Meteo-Ro holds managerial experiences for complex research activities in the framework of international research programs such as North Atlantic Treaty Organization (NATO) Science for Peace. Meteo-RO has also participated in INTERREG projects such as "Water scarcity and droughts; coordinated actions in European regions" (WATER CoRe) and in the SEE Transnational Cooperation Programme within the projects "A network for the integration of climate knowledge into policy and planning" (OrientGate), "Joint Disaster Management risk assessment and preparedness in the Danube macro-region" (SEERISK) and Climate Change and Impacts on Water Supply (CC-WaterS). Meteo-Ro is a key institution in the National Committee for Emergency and Disasters and it is the national representative in the cooperative agreements with international organizations, such as EUMETSAT, WMO, ECMWF EUMETNET, and consortium such as ALADIN-LACE and COSMO.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
The Programme Owner is the Romanian Ministry of Environment, Water and Forests			

Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;
<p>Meteorological watch and impact assessment of climate change related hazards for protection of life and property</p> <p>The programme aims to improve the predictive operational activities on different time scales based on improved knowledge of regional climate variability and change in order to contribute to risk assessments of climate-related hazards and climate adaptation planning for vulnerable socio-economic sectors such as agriculture, water management, urbanization, civil protection and disaster management. In this context, natural hazards (such as floods, droughts, heat waves, wild fires, hail) are investigated. The programme activities are based on integration of in situ observations, radar measurements, satellite data and model results.</p>
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks
<ul style="list-style-type: none"> <li>• Dynamic and statistical modelling of regional climate – the previous experience is based on the participation in FP6 projects "Central and Eastern Europe Climate Change Impact and Vulnerability Assessment" (CECILIA), "Understanding the Dynamics of the Coupled Climate System" (DYNAMITE) and FP7 projects "European Reanalysis and Observations for Monitoring" (EURO4M), "Uncertainties in Ensembles of Regional Reanalyses" (UERRA).</li> <li>• Hazard mapping of extreme climate - the previous experience is based on the participation in the SEE projects "A network for the integration of climate knowledge into policy and planning" (OrientGate) and "Joint Disaster Management risk assessment and preparedness in the Danube macro-region" (SEERISK).</li> <li>• Coupling hazard and impact data in risk mapping - the previous experience is based on the participation in the SEE projects "A network for the integration of climate knowledge into policy and planning" (OrientGate) and "Joint Disaster Management risk assessment and preparedness in the Danube macro-region" (SEERISK).</li> <li>• Support for adaptation to climate change - the previous experience is based on the participation in the SEE projects "A network for the integration of climate knowledge into policy and planning" (OrientGate) and "Joint Disaster Management risk assessment and preparedness in the Danube macro-region" (SEERISK), the in INTERREG projects such as "Water scarcity and droughts; coordinated actions in European regions" (WATER CoRe) and in the FP7 project "European Provision Of Regional Impact Assessment on a Seasonal-to-decadal timescale" (EUPORIAS).</li> </ul>
<b>Short profile of staff member(s) who will be undertaking the work</b>
<p><b>Dr. Elena Mateescu</b> is a senior expert and has more than 25 years of experience in the field of agrometeorological research activity. Currently she is the Executive Manager of NMA in charge with the scientific and management activities for national and international projects/contracts. Based on her professional experience, she is/was member in several committees in charged with climate change and adaptation measures on water scarcity and drought in agriculture and natural environment. Dr. Elena Mateescu as Project Manager is in charge with the implementation of national (16) and international projects (5) related with climate change impact on agriculture and adaptation measure to the extreme climatic events, like INTERREG IVC WaterCoRe - Water scarcity and drought, coordinated actions in European regions (2010-2013); ADER 1.1.1 "Geo-referential indicators system at different spatial and temporal scales to assess the vulnerability and adaptation of agro ecosystems to global changes" (2011-2014); SEE/C/0001/2.2./X ORIENTGATE: a structured network for integration of climate knowledge into policy and territorial planning (2012-2014). Dr. Elena Mateescu has over 77 publications, including 8 books as main author or co-author, 72 scientific articles published in Romanian Journal or International</p>

Proceedings. Also, Dr. Elena Mateescu received in 2012 the Award “Gheorghe Ionescu-Sisesti” from the Romanian Academy as author of book “Climate change impact on agriculture in Romania” published in 2010.

**Dr. Roxana Bojariu** graduated Faculty of Physics, University of Bucharest, in 1984. Since 1987 she worked at National Institute of Meteorology and Hydrology, Bucharest, Romania. Now, Dr. Bojariu is the Head of Climatology Section at National Meteorological Administration, Bucharest, Romania. In 1999 Roxana Bojariu successfully defended her PhD thesis at Faculty of Physics, University of Bucharest. She has scientifically co-ordinated Romanian teams in 8 European research projects dealing with climate variability and predictability. Dr. Bojariu was awarded Stefan Hepites Prize of Romanian Academy in 2005. Dr. Bojariu was a lead-author for Chapter 3 of the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) and for Chapter 11 of the Fifth Assessment Report of the IPCC. Dr. Bojariu is a member of professional associations Ad Astra, Sigma Xi and Sigma Xi-Romania.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

N/A

Does the participant envisage that part of its work is performed by a linked third party.	N
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Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
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<b>Name of organisation</b>	<b>Swedish Meteorological and Hydrological Institute</b>		
<b>Short name</b>	SMHI	<b>Country</b>	Sweden
<b>Brief description of the legal entity</b>			
<p>SMHI, the Swedish Meteorological and Hydrological Institute, is an expert agency under the Ministry of the Environment and Energy. Through unique expertise in meteorology, hydrology, oceanography and climatology, SMHI contributes towards greater public welfare, increased safety and a sustainable society.</p> <p>For more information, see <a href="http://www.smhi.se/en/about-smhi">http://www.smhi.se/en/about-smhi</a></p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner			
<b>The Swedish Research Council Formas</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>At the Rossby Centre that is a part of the research department at SMHI, climate research is performed related to climate modelling. The group develops and runs global and regional climate models. Research questions are related both to the understanding of the climate system and its processes and how these are formulated in climate and earth system models. Research is also conducted on climate variability and predictability and long-term climate change ranging on time scales from the nearest few years over decades to projections for the end of the century. A particular research focus relates to the further use of these, and other, climate projections. Research questions in this context relates to uncertainties in projections, how to select between projections and how to aggregate information from these in a form relevant for users of climate information, including impact modellers</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>WP3, Task 3.1</p> <p>SMHI is the national expert government in Sweden for climate. Since 2013 SMHI hosts the national knowledge centre on climate adaptation. An important part of that work is the provision of relevant climate information to other governmental agencies on national, regional and local level. In an international context SMHI collaborates with other climate modelling institutes in Europe and participates in a number of EU-projects with relevance to climate services most recently in the FP7 projects IS-ENES2 (ongoing), ECLISE (ended 2014) and CLIP-C (ongoing) and previously in regional climate model projects like PRUDENCE (FP5) and ENSEMBLES (FP6).</p> <p>A central part of the activities at the Rossby Centre concerns production of regional climate projections, over the last years in the framework of the international CORDEX (Coordinated Regional Downscaling Experiment). The Rossby Centre has had an active role in CORDEX starting out from its initiation, continuing with experiment design, production of projections, work on post processing and quality checking of results as well as their publication on the federated Earth System Grid data nodes. SMHI hosts the international CORDEX office with the task of supporting the development of regional climate models and projections of future</p>			

climate, facilitate cooperation between regions and countries, and promote knowledge exchange and capacity building with a particular focus on developing regions.	
<b>Short profile of staff member(s) who will be undertaking the work</b>	
<p>Erik Kjellström, Head of the Rossby Centre since 2013. Ph.D. in chemical meteorology, Stockholm University, 1998. Previous experience in the field of chemical meteorology with studies concerning the atmospheric part of the sulfur and carbon cycles. Researcher at the Rossby Centre since 2003 with focus on regional climate modelling and climate change (in EU-projects PRUDENCE, SEAREG, ENSEMBLES, ECLISE, IMPACT2C).</p> <p>Ralf Döscher is Science Coordinator of the Rossby Centre with a background in coupled climate modelling. Currently he is chair of the EC-Earth Climate Model consortium. Recent research activities cover climate processes in the Arctic as well as large scale climate variability, climate prediction and ESM development. Ralf co-coordinated the EU project DAMOCLES and is involved in a range of projects and networks, such as FP7-EMBRACE; H2020-CRESCENDO. He was also coordinating the recent national Swedish project ADSIMNOR on Arctic climate modelling. Further, he represents SMHI in ECRA and JPI-Climate.</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	
N	



<b>Name of organisation</b>	<b>University of Reading</b>		
<b>Short name</b>	UREAD	<b>Country</b>	United Kingdom
<b>Brief description of the legal entity</b>			
<p>The University of Reading is ranked in the top 1% of universities in the world. We are a global university that enjoys a world-class reputation for teaching, research and enterprise. The University was established in 1892, received its Royal Charter in 1926, and has developed into a leading force in British and international higher education. The University is based in Berkshire in the UK.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner			
<b>National and Environmental Research Council</b>			
Identify and describe the <b>research programme(s)</b> with which you participate, the main programme objectives, and any previous experience and participation;			
<p>The Natural Environment Research Council (the Programme Owner) funds the National Centre for Atmospheric Science (NCAS) and the National Centre for Earth Observation (NCEO). The in-kind contributions to the ERA-net will be from the parts of NCAS and NCEO based at the University of Reading.</p> <p>NCAS carries out research in i) the science of climate change, including modelling and predictions ii) atmospheric composition, including air quality iii) weather, including hazardous weather and iv) technologies for observing and modelling the atmosphere.</p> <p>NCEO provides innovative approaches to scientific investigations of the global and regional Earth System, meeting the related needs of society through long-term core science and translation of Earth Observation knowledge and environmental data for support of government and business.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>The University of Reading will participate in WP3 (In-kind topic) and WP6 (Communication, exploitation and dissemination of the results) and co-lead Task 6.1. Both NCAS and NCEO have been substantially involved in national and international science programmes and their associated dissemination activities. At the European level NCEO and NCAS have substantial experience having been recently been involved in FP7 projects such as SPECS, EUCLEIA, CHARMe and THOR and will be involved in upcoming H2020 projects such as PRIMAVERA and IMPREX.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			
<p><b>Dr. Len Shaffrey</b> is a Senior Scientist at the National Centre for Atmospheric Science in the University of Reading. His research focuses on how extremes such as storms, floods and droughts might respond to climate change. Dr. Shaffrey is the Lead Principal Investigator for the NERC IMPETUS and TEMPEST projects and a investigator in the FP EUCLEIA and H2020 IMPREX projects. He currently leads a team of three postdoctoral researchers and supervise five PhD students investigating the impact of climate change and Arctic sea ice loss on drought, extratropical storms and European weather. External links include being a member of the Willis Research Network, a partnership between academia and the reinsurance industry, the Lead Scientist at the University of Reading for</p>			

the XWS Extreme European Windstorms Catalogue and the Lead Academic for a Knowledge Transfer Partnership with BP on wind and wave risk to offshore oil and gas platforms.	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>Met Office</b>		
<b>Short name</b>	Met Office	<b>Country</b>	United Kingdom
<b>Brief description of the legal entity</b>			
The Met Office is established as a "Trading Fund" Agency of the UK Government department: Business Innovation and Skills (BIS). BIS owns the Met Office, and the Met Office operates within the legislation given to us by BIS and as such is a Public body.			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			N
Programme Manager			Y
In case you are a Programme Manager, please name the respective Programme Owner <b>Business Innovation and Skills Department</b>			
<b>Identify and describe the research programme(s) with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>The Met Office is one of the leading centres for weather and climate research. There are over 500 people actively involved in all areas of weather and climate science, including observational research, weather/climate model development and assessment on all timescales from days to centuries, as well as climate impacts and consultancy for both governmental and industry partners. It's principle programme of climate activities is the Hadley Climate Change Programme which delivers climate advice to UK Government departments on mitigation and adaptation purposes.</p> <p>It is also involved in a wide range of European Union climate projects under FP7 and H2020. The Met Office leads the FP7 EUCLEIA (developing prototype Climate Attribution services for Copernicus) and EUPORIAS (increasing the resilience of the European Society to climate change by demonstrating how climate information can become directly usable by decision makers in different sectors) projects. The Met Office also leads the H2020 projects PRIMAVERA (very high resolution climate modelling) and EUSTACE (developing climate data records for land surface temperature). The Met Office also leads the ESA CMUG (Climate Modeling Users Group), and is participating in a number of the ESA Climate Change Initiative Essential Climate Variable projects (Sea Surface Temperature; Clouds; and Sea-Ice)</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p><b>Work Package 3:</b> preparation of the Co-funded call - In-kind topic Previous experience can only be assessed depending on the specific topics which the Met Office wishes to be involved in. We are not in a position to make that judgement at proposal stage.</p> <p><b>Work package 7:</b> Additional tasks – Mapping of European and international activities The Met Office is:</p> <ul style="list-style-type: none"> <li>- actively involved in preparation activities for the Global Framework for Climate Services (GFCS),</li> <li>- one of the major contributors towards the Climate Modelling Inter-comparison Programme (CMIP) series,</li> <li>- one of the largest providers of authors towards the IPCC Assessment reports,</li> <li>- a major partner in a number of FP7 and H2020 funded projects,</li> <li>- a leading member of the European network for Earth System modelling (ENES),</li> </ul>			

<ul style="list-style-type: none"> <li>- actively involved in working with the European Commission in establishing and implementing the “European Roadmap for climate services”</li> </ul>	
<b>Short profile of staff member(s) who will be undertaking the work</b>	
<p>Lead point of contact: <b>Dr Adrian Broad</b>, EU Manager</p> <p>Dr Broad has 12 years’ experience coordinated the Met Office involvement in EU activities, focussing on FP6, FP7, H2020 and legislation developments. He sits as a UK representative on the Climate JPI Governing Board. He was a member of the European Commission expert team commissioned by DG Enterprise which prepared a report in 2011 on recommendations for the GMES Climate Service. He is the Chair of the UK’s Copernicus Climate Network Group, commissioned by UK Government (Defra). He has responsibility for leading the coordination of Met Office’s involvement with all Copernicus Services.</p> <p>Other staff members may be provided based upon the Met Office’s involvement in specific topic calls managed by a successful ERA4CS. This will be based on the nature of the In-kind contribution the Met Office deems appropriate to provide, and is not restricted to just personnel effort.</p>	
Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.	
N/A	
Does the participant envisage that part of its work is performed by a linked third party.	N
Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N

<b>Name of organisation</b>	<b>Natural Environment Research Council</b>		
<b>Short name</b>	NERC	<b>Country</b>	UK
<b>Brief description of the legal entity</b>			
<p>The Natural Environment Research Council (NERC) is a non-departmental public body (NDPB) that reports directly to Department for Business Innovation &amp; Skills (BIS). NERC is the UK's leading public funder of environmental science, investing around £330m annually in cutting-edge research, postgraduate training and innovation in universities and research centres. NERC funded scientists study the planet from pole to pole, from deep Earth and oceans, to atmosphere and space, to monitor how the environment works and changes on a global scale. We maintain research infrastructure for the whole of the UK environmental science community, with state-of-the-art research ships, aircraft, satellite technology and bases in some of the most hostile parts of the planet.</p>			
<b>Identification of the role:</b>			
Programme Owner and Manager			N
Programme Owner			Y
Programme Manager			N
<b>Identify and describe the <u>research programme(s)</u> with which you participate, the main programme objectives, and any previous experience and participation;</b>			
<p>NERC will not be contributing directly to calls under the ERA-Net however we will be proactively participating in the additional activities (WP7 and 8) and co-leading task 7.4. These core WPs play a key role in informing and, more importantly, enabling pan-European climate service activity to become highly effective, drawing upon excellent science and delivering economic gains including cost avoidance through resilience as well as the creation of new businesses.</p>			
<b>Main tasks</b> attributed the proposed action and the previous experience relevant to those tasks			
<p>NERC will co-lead task 7.4: 'synergy and mismatching analysis' and participate in other tasks under work package 7 and 8. NERC has previously participate in the JPI-Climate, has invested considerable funds in climate related science and is proactively engaging users and brokering research-to-user relationships to accelerate the uptake of research outputs to underpin the economy and deliver societal and environmental gains. We have a strong network of world class scientists and an ever increasing portfolio of user relationships, particularly in policy development but increasingly in the business sector in a range of areas that relate and/or benefit from climate services. Furthermore, within Innovation we have expertise in workshop design and facilitation and experience from working with a broad range of National and International partnership.</p>			
<b>Short profile of staff member(s) who will be undertaking the work</b>			

**Perry Guess** is the Head of Knowledge Exchange at NERC and has over 19 years of experience in innovation and knowledge exchange ranging from managing large European business-academia consortium projects through to delivering and directing a UK funded Knowledge Transfer Network (KTN), the Environmental Sustainability KTN. His primary responsibility at NERC is to support the generation of innovation and impact from NERC science which he achieves with his team through building strong relationships with users, universities and other research organisations and funding knowledge exchange and innovation activity that achieves this purpose.

**Sophie Isaacs** is a Knowledge & Innovation Manager within the NERC Innovation team. She specialises in accelerating the uptake of environmental data generated by NERCs investments in science, which includes a considerable portfolio of climate research. She has a wealth of experience in working with large, complex partnerships having worked for several years at the UK Environmental Observation Framework (UKEOF), which draws together environmental data and information from 17 UK funders and government agencies.

**Ned Garnet** is Head of atmospheric & polar science at NERC responsible for the commissioning and monitoring of strategic research programmes in these two areas. His portfolio include, for example: Joint Climate & Weather Research; Next Generation Prediction Systems; South Asian Monsoon; Drivers of Variability in Atmospheric Circulation; Future Climate for Africa; and Understanding Atmospheric Convection across Scales. Ned has strong relationships with the climate research community and key organisation such as the UK Met Office, performing the NERC lead role in the Joint Weather and Climate Research Programme (JWCRP) which aims to further the interests of the Met Office and NERC in growing the UK's leading role in weather and climate research.

Please specify the maximum amount of financial support to a third party and the criteria for determining the exact amount under national funding rules.

N/A

Does the participant envisage that part of its work is performed by a linked third party.	N
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Does the participant envisage the use of in-kind contribution provided by third parties (Articles 11 and 12 of the Model Grant Agreement)	N
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## Section 5: Ethics and security

### 5.1 Ethics

The members of ERA4CS will address the following:

- ***Ethical issues from the “ethical issues table” (Part A of this proposal) in the proposed research projects to be funded***

In the evaluation of the proposed research projects, special attention will be paid for potential ethical issues such as raised in the “ethical issues table”. Most likely this would concern data collection during surveys which may be involved in the projects. Only projects that fulfil the legal and ethical international, EU, national and institutional standards will be funded. For data protection and privacy the EC regulations will prevail, including requirement of informed prior consent, for both ERANET consortium and funded research projects.

- ***Ethical issues related to the JPI Climate Governance Principles***

Both within the ERANET consortium and the proposed research projects, special attention will be paid for application of the JPI Climate Governance Principles as much as possible:

- *Sustainability principle*: seek to contribute to mitigating the carbon footprint of our work and activities.
- *Stakeholder orientation principle*: integrate the knowledge, values and objectives of societal decision-makers.
- *Adaptability principle*: respond to novel scientific insights and research requirements, current states of societal transformations and potential demands due to sudden social-ecological crises.
- *Transparency principle*: base our collaborative efforts on the notions of openness, mutual learning, mutual dependency and joint creativity; and foster the free flow and sharing of information, experiences and opinions. Data access will furthermore be required following EU guidelines.
- *Cost efficiency principle*: limit superfluous duplication of scientific/technical outputs, research and funding activities.

- ***Ethical issues related to “third countries”***

The only non-EU Member State involved in our consortium is Norway, which is an Associated Country. We do not believe this raises any ethical issues.

### 5.2 Security

Our project will not involve activities or results raising security issues and it will not involve ‘EU-classified information’ as background or results.

## **Annex: Participant declarations for in-kind partners from their Programme Owners**



(To be filled out by the entity mandating the participation of a Programme Manager in the action.

Please copy this text onto the letterhead of the Programme Owner responsible for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned [*Elmar Pichl*] declares that [*University of Graz*] has been mandated by [*Federal Ministry of Science, Research and Economy*] to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

Date and stamp



**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

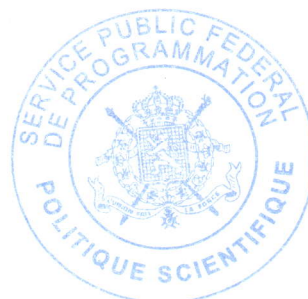
The undersigned Mr Philippe Mettens, President of the Science Policy PPS of Belgium, declares that Dr Rafiq Hamdi has been mandated by the Royal Meteorological Institute of Belgium (KMI-IRM) to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

**1 2 FEV. 2015**

Philippe METTENS  
Chairman of the Board of Directors  
Belgian Science Policy Office

Date and stamp





Federal Ministry  
of Education  
and Research



Freiheit  
Einheit  
Demokratie

POSTANSCHRIFT Bundesministerium für Bildung und Forschung, 53170 Bonn

Dr. Patrick Monfray  
Agence Nationale de la Recherche  
Department Future Earth  
Designated Coordinator for the H2020  
ERANet Call on Climate Services  
50 avenue Daumesnil  
75012 Paris  
France

HAUSANSCHRIFT Heinemannstraße 2, 53175 Bonn

POSTANSCHRIFT 53170 Bonn

TEL +49 (0)228 99 57-2702

FAX +49 (0)228 99 57-82702

BEARBEITET VON Fr. Stercken

E-MAIL vera.stercken@bmbf.bund.de

HOME PAGE www.bmbf.de

DATUM Bonn, 17.04.2015

GZ  
(Bitte stets angeben)

BETREFF **German participation in the ERANet for Climate Services**

Dear Dr. Monfray,

from Germany the following Research Performing Organizations will participate in the ERANet ,ERA for Climate Services':

Helmholtz-Zentrum Geesthacht - Centre for Materials and Coastal Research, and

Alfred Wegener Institute - Helmholtz Centre for Polar and Marine Research, Bremerhaven.

Sincerely yours,

Vera Stercken

TELEFONZENTRALE +49 (0)228 99 57-0 oder +49 (0)30 18 57-0  
FAX-ZENTRALE +49 (0)228 99 57-83601 oder +49 (0)30 18 57-83601  
E-MAIL-ZENTRALE bmbf@bmbf.bund.de



**Mandate to Programme Manager to be a partner in the JPI Climate response to  
the call H2020-SC5-2015-one-stage "ERA for Climate Services"  
(ERA-NET Cofund action)**

The Danish  
Meteorological Institute

13 March 2015

The undersigned Head of Department Henrik Kjærgaard declares that The Danish Meteorological Institute has been mandated by The Danish Ministry of Climate-, Energy and Building to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

  
Head of Department, Henrik Kjærgaard

Date and stamp

13. march 2015

(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned Deputy Direction General for International Projects declares that the Spanish Meteorological Agency (AEMET), has been mandated by the Ministry of Economy and Competitiveness (MINECO) to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

**JOAQUÍN SERRANO AGEJAS**

Date and stamp

10 MAR 2015



(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned Deputy Direction General for International Projects declares that the Barcelona Supercomputing Center – National Center for Supercomputing (BSC-CNS), has been mandated by the Ministry of Economy and Competitiveness (MINECO) to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

**JOAQUÍN SERRANO AGEJAS**

Date and stamp

16 MAR. 2015





(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call  
H2020-SC5-2015-one-stage “ERA for Climate Services” (ERA-NET Cofund action)**

The undersigned Deputy Direction General for International Projects declares that the Spanish Research Council (CSIC), has been mandated by the Ministry of Economy and Competitiveness (MINECO) to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

**JOAQUÍN SERRANO AGEJAS**

Date and stamp



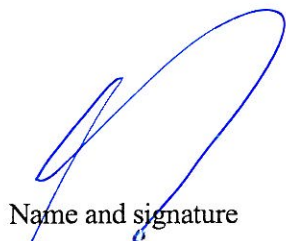
**16 MAR. 2015**

(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned Deputy Direction General for International Projects declares that the Cantabria / Environmental Hydraulics Institute (IHC), has been mandated by the Ministry of Economy and Competitiveness (MINECO) to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

  
Name and signature

**JOAQUÍN SERRANO AGEJAS**

Date and stamp



10 MAR 2015



(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned Deputy Direction General for International Projects declares that the Universitat Rovira i Virgili - Centre for Climate Change (URV-C3), has been mandated by the Ministry of Economy and Competitiveness (MINECO) to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

**JOAQUÍN SERRANO AGEJAS**

Date and stamp



(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call  
H2020-SC5-2015-one-stage “ERA for Climate Services” (ERA-NET Cofund action)**

The undersigned Director General Pekka Plathan declares that Ilmatieteen laitos (FMI) relying on national resources has been mandated by the Ministry of Transport and Communications to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**



Jaana Kuusisto p.p. Pekka Plathan  
Director General  
Ministry of Transport and Communications

LIIKENNE- JA  
VIESTINTÄMINISTERIÖ

Helsinki, 4.3.2015  
date and stamp

(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call  
H2020-SC5-2015-one-stage “ERA for Climate Services” (ERA-NET Cofund action)**

The undersigned *Laura Höijer* declares that *The Finnish Environment Institute, SYKE* has been mandated by *the Ministry of the Environment* to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**



Laura Höijer, Research Director  
Ministry of the Environment  
Name and signature

Helsinki 20.3.2015  
Date and stamp







MINISTÈRE DE L'ÉDUCATION NATIONALE,  
DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

DIRECTION GÉNÉRALE  
DE LA RECHERCHE ET DE L'INNOVATION

Paris, le 10 AVR. 2015

Le Directeur général

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate  
Services" (ERA-NET Cofund action)**

The undersigned, Roger Genet, declares that the "Bureau de Recherches Géologiques et Minières" (BRGM) has been mandated by the "Ministère de l'Éducation nationale, de l'Enseignement Supérieur et de la Recherche (MENESR)" to participate in the action and possibly manage the following research programme:

**ERA4CS: ERA for Climate Services**

Roger GENET

Monsieur Patrick MONFRAY  
Coordinator of the ERA4CS proposal  
Agence Nationale de la Recherche  
50 avenue Daumesnil  
75012 PARIS  
FRANCE



MINISTÈRE DE L'ÉDUCATION NATIONALE,  
DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

DIRECTION GÉNÉRALE  
DE LA RECHERCHE ET DE L'INNOVATION

Paris, le 15 AVR. 2015

Le Directeur général

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate  
Services" (ERA-NET Cofund action)**

The undersigned, Roger Genet, declares that the "Commissariat à l'énergie atomique et aux énergies renouvelables" (CEA) has been mandated by the "Ministère de l'Éducation nationale, de l'Enseignement Supérieur et de la Recherche (MENESR)" to participate in the action and possibly manage the following research programme:

**ERA4CS: ERA for Climate Services**

Roger GENET

Monsieur Patrick MONFRAY  
Coordinator of the ERA4CS proposal  
Agence Nationale de la Recherche  
50 avenue Daumesnil  
75012 PARIS  
FRANCE



MINISTÈRE DE L'ÉDUCATION NATIONALE,  
DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

DIRECTION GÉNÉRALE  
DE LA RECHERCHE ET DE L'INNOVATION

Paris, le

10 AVR. 2015

Le Directeur général

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate  
Services" (ERA-NET Cofund action)**

The undersigned, Roger Genet, declares that the "Centre National de la Recherche Scientifique" (CNRS) has been mandated by the "Ministère de l'Éducation nationale, de l'Enseignement Supérieur et de la Recherche (MENESR)" to participate in the action and possibly manage the following research programme:

**ERA4CS: ERA for Climate Services**

Roger GENET

Monsieur Patrick MONFRAY  
Coordinator of the ERA4CS proposal  
Agence Nationale de la Recherche  
50 avenue Daumesnil  
75012 PARIS  
FRANCE



MINISTÈRE DE L'ÉDUCATION NATIONALE,  
DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

DIRECTION GÉNÉRALE  
DE LA RECHERCHE ET DE L'INNOVATION

Paris, le

10 AVR. 2015

Le Directeur général

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate  
Services" (ERA-NET Cofund action)**

The undersigned, Roger Genet, declares that the "Institut national de l'information géographique et forestière" (IGN) has been mandated by the "Ministère de l'Éducation nationale, de l'Enseignement Supérieur et de la Recherche (MENESR)" to participate in the action and possibly manage the following research programme:

**ERA4CS: ERA for Climate Services**

Roger GENET

Monsieur Patrick MONFRAY  
Coordinator of the ERA4CS proposal  
Agence Nationale de la Recherche  
50 avenue Daumesnil  
75012 PARIS  
FRANCE



MINISTÈRE DE L'ÉDUCATION NATIONALE,  
DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

DIRECTION GÉNÉRALE  
DE LA RECHERCHE ET DE L'INNOVATION

Paris, le

10 AVR. 2015

Le Directeur général

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate  
Services" (ERA-NET Cofund action)**

The undersigned, Roger Genet, declares that the "Institut National de Recherche Agronomique" (INRA) has been mandated by the "Ministère de l'Éducation nationale, de l'Enseignement Supérieur et de la Recherche (MENESR)" to participate in the action and possibly manage the following research programme:

**ERA4CS: ERA for Climate Services**

Roger GENET

Monsieur Patrick MONFRAY  
Coordinator of the ERA4CS proposal  
Agence Nationale de la Recherche  
50 avenue Daumesnil  
75012 PARIS  
FRANCE

*1, rue Descartes – 75231 Paris cedex 05 Tél. : 01 55 55 90 90*





MINISTÈRE DE L'ÉDUCATION NATIONALE,  
DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

DIRECTION GÉNÉRALE  
DE LA RECHERCHE ET DE L'INNOVATION

Paris, le

10 AVR. 2015

Le Directeur général

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate  
Services" (ERA-NET Cofund action)**

The undersigned, Roger Genet, declares that "Meteo France" has been mandated by the "Ministère de l'Éducation nationale, de l'Enseignement Supérieur et de la Recherche (MENESR)" to participate in the action and possibly manage the following research programme:

**ERA4CS: ERA for Climate Services**

Roger GENET

Monsieur Patrick MONFRAY  
Coordinator of the ERA4CS proposal  
Agence Nationale de la Recherche  
50 avenue Daumesnil  
75012 PARIS  
FRANCE

*1, rue Descartes – 75231 Paris cedex 05 Tél. : 01 55 55 90 90*

## Participation of NCSR

Following recent changes at the Greek Ministry of Cultural, Education and Religious Affairs, it was not possible to obtain a signature for the requested mandate. Nevertheless, as shown below, there is general support at the Ministry for NCSR participation in ERA4CS.

### Thanasis Sfetsos

---

**From:** Paraskevi Afentaki [pafe@gsrt.gr]  
**Sent:** Τρίτη, 21 Απριλίου 2015 10:19  
**To:** Thanasis Sfetsos  
**Cc:** 'Afroditi Patroni'; anik@gsrt.gr  
**Subject:** RE: Συμμετοχή EMY-ΕΚΕΦΕ σε πρόταση ERANet: ERA4CS

Subject: RE: Participation in the proposal ERANet: ERA4CS

Dear Dr. Sfetsos,

In reply to your e-mail with regard to your participation in the above ERANet We would like to inform you that the General Secretariat for Research and Technology/GSRT agrees with your participation in the ERA4CS proposal on condition that the participation will be indicated as in kind contribution (as you are suggesting) and there won't be any further commitment for GSRT at least at the present.

Kind regards,  
Paraskevi Afentaki

\*\*\*\*\*

PARASKEVI AFENTAKI  
Ministry of Cultural, Education and Religious Affairs General Secretariat for Research & Technology International S&T Cooperation Directorate Bilateral and Multilateral Cooperation Section  
14-18 Messogeion Ave., 115 10 Athens, Greece  
Tel.: +30 210 7458112  
Fax: +30 210 7714153  
e-mail: [pafe@gsrt.gr](mailto:pafe@gsrt.gr), [pafenta@gmail.com](mailto:pafenta@gmail.com)



Comhshaol, Pobal agus Rialtas Áitiúil  
Environment, Community and Local Government



23 March, 2015

Dear Sir/Madam

I wish to confirm that Met Eireann is a constituent part of the Department of the Environment, Community and Local Government. It has a distinct identity, but speaks authoritatively for this Department in relation to its areas of work including research related activities.

Yours faithfully,

Dave Walsh,  
Assistant Secretary,  
Environment Division.



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**MET ÉIREANN**

*The Irish Meteorological Service*

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Tel: +353-1-806 4200  
Fax: +353-1-806 4247  
E-mail: [met.eireann@met.ie](mailto:met.eireann@met.ie)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage “ERA for Climate Services” (ERA-NET Cofund action)**

The undersigned, Eoin Moran, declares that Ray Mc Grath, Head, Research, Environment and Applications Division in Met Éireann, has been mandated by Met Éireann to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Name and signature

Eoin Moran  
Assistant Director  
Met Éireann

Date and stamp

16/03/2015



# *Ministero dell'Istruzione dell'Università e della Ricerca*

Dipartimento per la Formazione Superiore e per la Ricerca

Capo Dipartimento

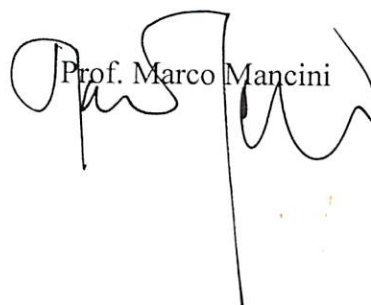
Dr. Patrick Monfray  
Agence National de Recherche,  
Environment & Biological Resources  
Department Future Earth  
Designated Coordinator for the H2020 ERA-  
Net Call on Climate Services 2014  
Vice Chair of JPI Connecting Climate  
Knowledge for Europe  
Governing Council member IGFA  
Belmont Forum co-chair

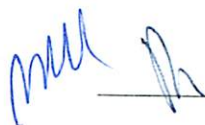
Subject: Italian participation to the Eranet on Climate Services

Dear Dr.Monfray,

the Research Performing Organizations that will be participate in the proposal for the ERA-NET on Climate Services ( call SC5-02-2015) are the Consiglio Nazionale delle Ricerche (CNR) e Centro Euromediterraneo sui Cambiamenti Climatici (CMCC). These organisations will participate with an in-kind contribution up to 2.5 million each.

Sincerely yours,

Prof. Marco Mancini  




Piazzale J.F.Kennedy, 20 – 00144 Roma  
Indirizzo di PEC: [dpfsr@postacert.istruzione.it](mailto:dpfsr@postacert.istruzione.it) – E-mail: [dpfsr.segreteria@miur.it](mailto:dpfsr.segreteria@miur.it)  
Tel. 06 9772 7930 – 7855 C.F.: 80185250588



To whom it may concern

**Directoraat-Generaal  
Ruimte en Water**  
Algemeen Waterbeleid en  
Veiligheid  
Plesmanweg 1-6  
Den Haag  
Postbus 20904  
2500 EX Den Haag  
T 070 - 456 6171  
F 070 - 456 7895

memo

ERA for Climate Services

**Datum**  
18 maart 2015

**Mandate to Programme Manager to be a partner in the JPI Climate  
response to the call H2020-SC5-2015-one-stage "ERA for Climate Services"  
(ERA-NET Cofund action)**

The undersigned [*Ir. Roald Lapperre*], owner of the National Knowledge and Innovation program Water and Climate, declares that [*Royal Netherlands Meteorological Institute*] has been mandated by [*Ministry of Infrastructure and Environment*] to participate in the ERA-NET Cofund *in-kind* action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

DIRECTEUR ALGEMEEN WATERBELEID EN VEILIGHEID,

Ir. R.P. Lapperre





**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned, Audun Rosland, declares that the Norwegian Meteorological Institute has been mandated by the Norwegian Environment Agency to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

Audun Rosland

11.02.2015





## MINISTERUL MEDIULUI, APELOR ȘI PĂDURILOR

**Mandate to National Meteorological Administration to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned Grațiela Leocadia Gavrilescu declares that the National Meteorological Administration has been mandated by the Ministry of Environment, Water and Forests to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

P. Grațiela Leocadia Gavrilescu  
The Minister of Waters, Forest and Environment

Date and stamp

30.03.2015






(To be filled out by the entity mandating the participation of a Programme Manager in the action.  
Please copy this text onto the letterhead of the Programme Owner responsible  
for the research programme.)

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call  
H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The undersigned Ingrid Petersson declares that the Swedish Meteorological and Hydrological Institute has been mandated by The Swedish Research Council Formas to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

  
INGRID PETERSSON  
Name and signature



Forskningsrådet för miljö, areella näringar  
och samhällsbyggande, Formas

Date and stamp 20150319


Dr Chloé Deygout  
Project officer in Environment and Biological Resources  
Agence Nationale de la Recherche,  
50 avenue Daumesnil,  
75012 Paris,  
France

**Mandate to Programme Manager to be a partner in the JPI Climate response to the call  
H2020-SC5-2015-one-stage “ERA for Climate Services” (ERA-NET Cofund action)**

The undersigned, Ned Garnett declares that the University of Reading (which includes components of the National Centre for Atmospheric Science and the National Centre for Earth Observation) has been mandated by the Natural Environment Research Council to participate in the action and eventually manage the NERC involvement in the following research programme:

**ERA4CS: ERA for Climate Services**

The reason for including "which includes components of the" is since not all of NCAS and NCEO are based at the University of Reading.

A handwritten signature in blue ink, appearing to read "E.A. Garnett".

16 April 2015

Ned Garnett  
Head of Atmospheric and Polar Sciences  
Natural Environment Research Council

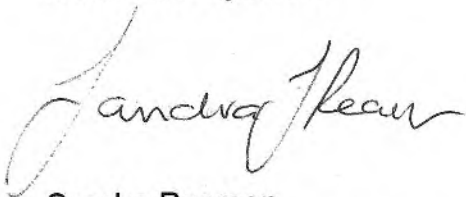
**Mandate to Programme Manager to be a partner in the JPI Climate response to the call H2020-SC5-2015-one-stage "ERA for Climate Services" (ERA-NET Cofund action)**

The framework document for the Met Office available online at [http://www.metoffice.gov.uk/media/pdf/k/b/MO\\_framework\\_document.pdf](http://www.metoffice.gov.uk/media/pdf/k/b/MO_framework_document.pdf)) states the financial limits (Annex C) for individual activities for which the Met Office can act independently without needing to gain approval from its Board or its owning department (BIS – Business, Innovation and Skills) and, as such, the Met Office can speak authoritatively concerning its participation in the action named below.

The undersigned, Sandra Pearson, declares that Adrian Broad, EU Manager at the Met Office has been mandated by the Met Office to participate in the action and eventually manage the following research programme:

**ERA4CS: ERA for Climate Services**

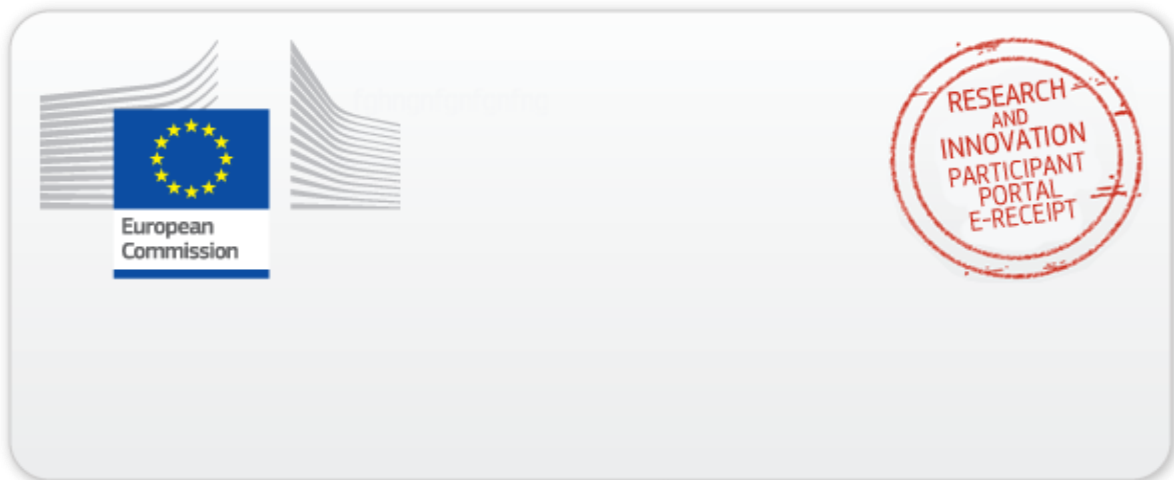
Name and signature



Sandra Pearson  
Legal Manager (Contracts)  
Met Office

Date and stamp

20<sup>th</sup> April 2015



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