

Please check our [wiki](#) for help on navigating the form.

### Horizon 2020

### Call: H2020-LC-CLA-2018-2019-2020

(Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement)

### Topic: LC-CLA-11-2020

### Type of action: IA

**Proposal number: SEP-210640245**

**Proposal acronym: EVIDENCEcity**

**Deadline Id: H2020-LC-CLA-2020-2**

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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 steps in the submission wizard.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym **EVIDENCEcity**

## 1 - General information

Topic LC-CLA-11-2020

Type of Action IA

Call Identifier H2020-LC-CLA-2018-2019-2020

Deadline Id H2020-LC-CLA-2020-2

Acronym

EVIDENCEcity

Proposal title

EVIDENCE-BASED GOVERNANCE FOR THE DEPLOYMENT OF NBS TO REDUCE AIR EMISSIONS IN CITIES

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

Duration in months

48

Fixed keyword 1

Air quality

Fixed keyword 2

Climate change mitigation

Fixed keyword 3

Urban studies (Planning and development)

Fixed keyword 4

Social sciences, interdisciplinary

Fixed keyword 5

Public and environmental health

Free keywords

Urban air quality, urban carbon footprint, Nature-based solutions, urban planning, co-creation, citizen engagement, Living Labs.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym **EVIDENCEcity**

## Abstract

Air pollution is the biggest environmental health risk in Europe. Cleaner air together with no net emissions of greenhouse gases (GHGs) are targets of the European Green Deal towards a climate-neutral Europe that decouples economic growth from resource use by 2050. Nature-based solutions (NBS) are cross-sectoral integration strategies that can tackle decarbonization goals for transport, energy, buildings and agriculture, while addressing social, cultural, environmental and economic challenges. However, evidence on the capacity of NBS in mitigating air pollution while reducing GHG emissions is still limited since they depend on complex processes and interlinkages, and could promote unwanted impacts.

EVIDENCEcity will explore the frontiers of NBS and their potential for the improvement of urban air quality and reduction of the urban carbon footprint. This will be achieved through co-creation processes at city level, actively involving all relevant actors from the government, community, businesses and academia. Five Living Labs will be set up in the urban areas of Krakow, Oslo, Essen, Toulouse and Barcelona, which represent different environmental challenges in terms of air pollution and GHG emissions, and diverse geographic, socio-economic and cultural conditions. City-specific challenges will be addressed by defining and implementing pilot NBS in partners cities to gather scientific evidence and knowledge (e.g. air quality modelling, health assessment, citizen engagement). Besides the consortium partners, EVIDENCEcity will engage with other cities and stakeholders to equip them with guidelines and methods that will promote the upscaling and wide deployment of NBS focused on improving urban air quality and reducing GHG emissions. The EVIDENCEcity outcomes will inspire future initiatives to make cities more sustainable through NBS, while ensuring citizen empowerment and innovative co-governance.

Remaining characters

71

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under Horizon 2020 or any other EU programme(s)?

☐ Yes ☒ No

Please give the proposal reference or contract number.

XXXXXX-X

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym **EVIDENCEcity**

## 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="http://ec.europa.eu/research/participants/portal/desktop/en/organisations/lfv.html">http://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

The assessment of your grant application will involve the collection and processing of personal data (such as your name, address and CV), which will be performed 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 purposes and means of the processing of your personal data as well as information on how to exercise your rights are available in 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 Detection and Exclusion system of the European Commission (EDES), the new system established by the Commission to reinforce the protection of the Union's financial interests and to ensure sound financial management, in accordance with the provisions of articles 105a and 108 of the revised EU Financial Regulation (FR) (Regulation (EU, EURATOM) 2015/1929 of the European Parliament and of the Council of 28 October 2015 amending Regulation (EU, EURATOM) No 966/2012) and articles 143 - 144 of the corresponding Rules of Application (RAP) (COMMISSION DELEGATED REGULATION (EU) 2015/2462 of 30 October 2015 amending Delegated Regulation (EU) No 1268/2012) for more information see the [Privacy statement for the EDES Database](#).

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym **EVIDENCEcity**

## 2 - Participants & contacts

#	Participant Legal Name	Country	Action
1	BARCELONA SUPERCOMPUTING CENTER - CENTRO NACIONAL DE SUPERCOMPUTACION	ES	
2	UNIVERSIDAD AUTONOMA DE BARCELONA	ES	
3	NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE	NO	
4	AREA METROPOLITANA DE BARCELONA	ES	
5	Institut de l'Innovation Durable - Sustainable Innovation Institute	France	
6	TOULOUSE METROPOLE	FR	
7	FUNDACION PRIVADA INSTITUTO DE SALUD GLOBAL BARCELONA	Spain	
8	HELMHOLTZ-ZENTRUM GEESTHACHT ZENTRUM FUR MATERIAL- UND KUSTENFORSCHUNG GMBH	DE	
9	STICHTING WAGENINGEN RESEARCH	NL	
10	EUROCITIES ASBL	BE	
11	UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES.	FR	
12	INSTYTUT OCHRONY SRODOWISKA - PANSTWOWY INSTYTUT BADAWCZY	PL	
13	STOWARZYSZENIE METROPOLIA KRAKOWSKA	PL	
14	Trescientosmilkilometrosorsegundo S.L.	ES	
15	CAPGEMINI TECHNOLOGY SERVICES	FR	
16	FUNDACJA SENDZIMIRA	PL	
17	city2science GmbH	DE	
18	EUSEA - EUROPAISCHE GESELLSCHAFT FUR WISSENSCHAFTSVERANSTALTUNGEN	AT	
19	Origins SAS	FR	
20	OSLO KOMMUNE	NO	
21	STADT ESSEN	DE	

## 2 - Administrative data of participating organisations

### 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

International organisation .....no

International organisation of European interest .....no

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

Secondary or Higher education establishment .....no

Research organisation .....yes

#### Enterprise Data

SME self-declared status.....01/03/2005 - 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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **BSC**

## Department(s) carrying out the proposed work

### Department 1

Department name

Earth Science Department

☐ not applicable

☐ Same as proposing organisation's address

Street

NEXUS II building, Jordi Girona 29

Town

Barcelona

Postcode

08034

Country

Spain

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

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

Dr.

Sex

☒ Male

☐ Female

First name **Albert**

Last name **Soret Miravet**

E-Mail **albert.soret@bsc.es**

Position in org.

Earth System Services Group Coordinator

Department

Earth Science Department

☐

Same as  
organisation name

☐ Same as proposing organisation's address

Street

NEXUS II building, Jordi Girona 29

Town

Barcelona

Post code

08034

Country

Spain

Website

www.bsc.es

Phone

+34934137716

Phone 2

+34934134076

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Mar	RODRIGUEZ	mar.rodriguez@bsc.es	+34934137566



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **UAB**

## PIC

999986484

## Legal name

UNIVERSIDAD AUTONOMA DE BARCELONA

Short name: *UAB*

## Address of the organisation

Street CALLE CAMPUS UNIVERSITARIO SN CERDA

Town Cerdanyola del Valles

Postcode 08290

Country Spain

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

## 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.....01/12/2008 - no

SME self-assessment ..... unknown

SME validation sme.....01/12/2008 - no

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

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **UAB**

## Department(s) carrying out the proposed work

### Department 1

Department name

Institute of Environmental Science and Technology (ICTA)

☐ not applicable

☐ Same as proposing organisation's address

Street

c/ de les Columnes sn, Campus UAB

Town

Cerdanyola del Vallés

Postcode

09193

Country

Spain

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **UAB**

## 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 **Gara**

Last name **Villalba**

E-Mail **gara.villalba@uab.cat**

Position in org. Associate Professor

Department Institute of Environmental Science and Technology (ICTA)

☐

Same as  
organisation name

☒ Same as proposing organisation's address

Street CALLE CAMPUS UNIVERSITARIO SN Cerdanyola V

Town Cerdanyola del Valles

Post code 08290

Country Spain

Website <https://ictaweb.uab.cat/>

Phone +34 93 586 8372

Phone 2 +xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Verónica	Colombo	veronica.colombo@uab.cat	+34 93 586 8630

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **NORWEGIAN INSTITUTE FOR AIR RESEAR**

**PIC** 999654162 **Legal name** NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE

*Short name: NORWEGIAN INSTITUTE FOR AIR RESEARCH NILU*

## *Address of the organisation*

Street INSTITUTTVEIEN 18

Town KJELLER

Postcode 2027

Country Norway

Webpage www.nilu.no

## *Legal Status of your organisation*

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

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

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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **NORWEGIAN INSTITUTE FOR AIR RESEAR**

## Department(s) carrying out the proposed work

### Department 1

Department name Urban Environment and Industry

☐ not applicable

☒ Same as proposing organisation's address

Street INSTITUTTVEIEN 18

Town KJELLER

Postcode 2027

Country Norway

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **NORWEGIAN INSTITUTE FOR AIR RESEAR**

## 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 **Susana**

Last name **Lopez-Aparicio**

E-Mail **sla@nilu.no**

Position in org.

Senior Scientist

Department

NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE

☒

Same as  
organisation name

☒ Same as proposing organisation's address

Street

INSTITUTTVEIEN 18

Town

KJELLER

Post code

2027

Country

Norway

Website

www.nilu.no

Phone

+47 63 89 80 00

Phone 2

+xxx xxxxxxxxx

Fax

+47 63 89 80 50

## Other contact persons

First Name	Last Name	E-mail	Phone
Heidi	Fjeldstad	hfj@nilu.no	+47 63898101

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **AMB**

## PIC

937664954

## Legal name

AREA METROPOLITANA DE BARCELONA

Short name: *AMB*

## Address of the organisation

Street CARRER 62 NUM 16-18

Town BARCELONA

Postcode 08040

Country Spain

Webpage www.amb.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 .....no

Research organisation .....no

Legal person .....yes

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

### Enterprise Data

SME self-declared status.....30/06/2014 - 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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **AMB**

## Department(s) carrying out the proposed work

### Department 1

Department name

General Manager Bureau

☐ not applicable

☒ Same as proposing organisation's address

Street

CARRER 62 NUM 16-18

Town

BARCELONA

Postcode

08040

Country

Spain

### Department 2

Department name

International Relations department

☐ not applicable

☒ Same as proposing organisation's address

Street

CARRER 62 NUM 16-18

Town

BARCELONA

Postcode

08040

Country

Spain

## Dependencies with other proposal participants

Character of dependence	Participant	



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **AMB**

## 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 **Xavier**

Last name **Tiana Casablancas**

E-Mail **xtiana@amb.cat**

Position in org.

Head of International Relations

Department

International Relations department

☐

Same as  
organisation name

☒ Same as proposing organisation's address

Street

CARRER 62 NUM 16-18

Town

BARCELONA

Post code

08040

Country

Spain

Website

http://www.amb.cat/en/home

Phone

+34 93 506 95 76

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

## Other contact persons

First Name	Last Name	E-mail	Phone
Eugenia	Vidal	evidal@amb.cat	+XXX XXXXXXXXX

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **Sustainable Innovation Institute**

## PIC

898499652

## Legal name

Institut de l'Innovation Durable - Sustainable Innovation Institute

*Short name: Sustainable Innovation Institute*

## *Address of the organisation*

Street 14 RUE ANDRE DEL SARTE

Town Paris

Postcode 75018

Country France

Webpage

## *Legal Status of your organisation*

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

Industry (private for profit).....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.**

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **Sustainable Innovation Institute**

## Department(s) carrying out the proposed work

### Department 1

Department name Innovation Department

☐ not applicable

☒ Same as proposing organisation's address

Street 14 RUE ANDRE DEL SARTE

Town Paris

Postcode 75018

Country France

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **Sustainable Innovation Institute**

## 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 **Eva**

Last name **Boo**

E-Mail **eva.boo@lgi-consulting.com**

Position in org.

Innovation Strategy Business Unit Manager

Department

Institut de l'Innovation Durable - Sustainable Innovation Institute

☒

Same as  
organisation name

☒ Same as proposing organisation's address

Street

14 RUE ANDRE DEL SARTE

Town

Paris

Post code

75018

Country

France

Website

Phone

+XXX XXXXXXXXXX

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **TOULOUSE METROPOLE**

**PIC**

928347716

**Legal name**

TOULOUSE METROPOLE

*Short name: TOULOUSE METROPOLE*

*Address of the organisation*

Street 6 RUE RENE LEDUC

Town TOULOUSE

Postcode 31500

Country France

Webpage www.toulouse-metropole.fr

*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 .....no

Research organisation .....no

Legal person .....yes

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

## Enterprise Data

SME self-declared status.....24/04/2015 - 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.**

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **TOULOUSE METROPOLE**

## Department(s) carrying out the proposed work

### Department 1

Department name

☐ not applicable

☒ Same as proposing organisation's address

Street

Town

Postcode

Country

## Dependencies with other proposal participants

Character of dependence	Participant	
<input type="text"/>	<input type="text"/>	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **TOULOUSE METROPOLE**

## 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 **Audeline**

Last name **Rauna**

E-Mail **audeline.rauna@toulouse-metropole.fr**

Position in org.

European project officer

Department

European, International and partnerships office

☐

Same as  
organisation name

☒ Same as proposing organisation's address

Street

6 RUE RENE LEDUC

Town

TOULOUSE

Post code

31500

Country

France

Website

https://toulouse-metropole.fr/

Phone

+XXX XXXXXXXXXX

Phone 2

+XXX XXXXXXXXXX

Fax

+XXX XXXXXXXXXX

## Other contact persons

First Name	Last Name	E-mail	Phone
Isabelle	Durou	isabelle.durou@toulouse-metropole.fr	+XXX XXXXXXXXXX

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **ISGLOBAL**

## PIC

951414122

## Legal name

FUNDACION PRIVADA INSTITUTO DE SALUD GLOBAL BARCELONA

Short name: *ISGLOBAL*

## Address of the organisation

Street C ROSSELLO 132 PLANTA 05

Town BARCELONA

Postcode 08036

Country Spain

Webpage www.isglobal.org

## Legal Status of your organisation

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

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

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.



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **ISGLOBAL**

## Department(s) carrying out the proposed work

### Department 1

Department name

Air Pollution and Urban Environment Research Programme

☐ not applicable

☐ Same as proposing organisation's address

Street

Doctor Aiguader 88

Town

Barcelona

Postcode

08003

Country

Spain

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **ISGLOBAL**

## 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 **Mark**

Last name **Nieuwenhuijsen**

E-Mail **mark.nieuwenhuijsen@isglobal.org**

Position in org.

Research Professor

Department

Air Pollution and Urban Environment Research Programme

☐

Same as  
organisation name

☐ Same as proposing organisation's address

Street

Doctor Aiguader 88

Town

Barcelona

Post code

08003

Country

Spain

Website

<https://www.isglobal.org/en/-/contaminacion-atmosferica>

Phone

+34 93 214 7337

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Tommaso	Legnaioli	tommaso.legnaioli@isglobal.org	+34 93 214 7382
Laura	Viñas	laura.vinas@isglobal.org	+34 93 214 7390
Anna	Massaneda	anna.massaneda@isglobal.org	+34 93 227 5721
Laurie	Clinton	laurie.clinton@isglobal.org	+34 93 214 7382

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

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

International organisation .....no

International organisation of European interest .....no

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

Secondary or Higher education establishment .....no

Research organisation .....yes

### Enterprise Data

SME self-declared status.....07/07/2008 - no

SME self-assessment ..... unknown

SME validation sme.....07/07/2008 - no

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

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **HZG**

## Department(s) carrying out the proposed work

### Department 1

Department name

Chemistry Transport Modeling

☐ not applicable

☒ Same as proposing organisation's address

Street

MAX PLANCK STRASSE 1

Town

GEESTHACHT

Postcode

21502

Country

Germany

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

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 **Matthias**

Last name **Karl**

E-Mail **matthias.karl@hzg.de**

Position in org.

Researcher

Department

Chemistry Transport Modeling

☐

Same as  
organisation name

☒ Same as proposing organisation's address

Street

MAX PLANCK STRASSE 1

Town

GEESTHACHT

Post code

21502

Country

Germany

Website

[https://www.hzg.de/chemistry\\_transport\\_modelling](https://www.hzg.de/chemistry_transport_modelling)

Phone

+49 4152 87 2368

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Hans-Jörg	Isemer	<a href="mailto:hans-joerg.isemer@hzg.de">hans-joerg.isemer@hzg.de</a>	+49 4152 87 1661
Silke	Köppen	<a href="mailto:silke.koeppen@hzg.de">silke.koeppen@hzg.de</a>	+49 4152 87 1699
Laura	Schwabe	<a href="mailto:laura.schwabe@hzg.de">laura.schwabe@hzg.de</a>	+49 4152 87 1670

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **WR**

## PIC

999547365

## Legal name

STICHTING WAGENINGEN RESEARCH

Short name: *WR*

## Address of the organisation

Street DROEVENDAALSESTEEG 4

Town WAGENINGEN

Postcode 6708 PB

Country Netherlands

Webpage <http://www.wur.nl>

## Legal Status of your organisation

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

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

Secondary or Higher education establishment .....no

Research organisation .....yes

### Enterprise Data

SME self-declared status.....09/12/1997 - 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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **WR**

## Department(s) carrying out the proposed work

### Department 1

Department name

Wageningen Economic Research

☐ not applicable

☐ Same as proposing organisation's address

Street

Prinses Beatrixlaan 582

Town

The Hague

Postcode

2595 BM

Country

Netherlands

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **WR**

## 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 **Nico**

Last name **Polman**

E-Mail **nico.polman@wur.nl**

Position in org.

Researcher

Department

Wageningen Economic Research

☐

Same as  
organisation name

☐ Same as proposing organisation's address

Street

Prinses Beatrixlaan 582

Town

The Hague

Post code

2595 BM

Country

Netherlands

Website

www.wur.nl

Phone

+31703358290

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Caroline	Truesdale-dorst	caroline.truesdale-dorst@wur.nl	+31703358152
Reinder	de Vries	reinder.devries@wur.nl	+31703358207



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **EUROCITIES ASBL**

**PIC**

999450559

**Legal name**

**EUROCITIES ASBL**

*Short name: EUROCITIES ASBL*

*Address of the organisation*

Street **SQUARE DE MEEUS 1**

Town **BRUXELLES**

Postcode **1000**

Country **Belgium**

Webpage **www.eurocities.eu**

*Legal Status of your organisation*

## Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

Industry (private for profit).....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.**

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **EUROCITIES ASBL**

## Department(s) carrying out the proposed work

### Department 1

Department name

Environment Department

☐ not applicable

☒ Same as proposing organisation's address

Street

SQUARE DE MEEUS 1

Town

BRUXELLES

Postcode

1000

Country

Belgium

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **EUROCITIES ASBL**

## 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 **Nathalie**

Last name **Guri**

E-Mail **nathalie.guri@eurocities.eu**

Position in org.

Projects & knowledge sharing director

Department

Environment

☐

Same as  
organisation name

☒ Same as proposing organisation's address

Street

SQUARE DE MEEUS 1

Town

BRUXELLES

Post code

1000

Country

Belgium

Website

www.eurocities.eu

Phone

+32 2 552 08 76

Phone 2

+xxx xxxxxxxxx

Fax

+32 2 552 08 89

## Other contact persons

First Name	Last Name	E-mail	Phone
Mirela	Gica	mirela.gica@eurocities.eu	+32 2 552 08 49
Eugenia	Mansutti	eugenia.mansutti@eurocities.eu	+32 2 552 0849

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **UNIVERSITE DE VERSAILLES SAINT-QUE**

## PIC

999837104

## Legal name

UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES.

Short name: *UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES.*

## Address of the organisation

Street Avenue de Paris 55

Town VERSAILLES

Postcode 78035

Country France

Webpage www.uvsq.fr

## 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.....29/08/1991 - 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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **UNIVERSITE DE VERSAILLES SAINT-QUE**

## Department(s) carrying out the proposed work

### Department 1

Department name

Laboratoire des Sciences du Climat et de l'Environnement (LSCE)

☐ not applicable

☒ Same as proposing organisation's address

Street

Avenue de Paris 55

Town

VERSAILLES

Postcode

78035

Country

France

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **UNIVERSITE DE VERSAILLES SAINT-QUE**

## 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 **Philippe**

Last name **Ciais**

E-Mail **philippe.ciais@lsce.ipsl.fr**

Position in org.

Research Director

Department

Laboratoire des Sciences du Climat et de l'Environnement (LSCE)

☐

Same as  
organisation name

☒ Same as proposing organisation's address

Street

Avenue de Paris 55

Town

VERSAILLES

Post code

78035

Country

France

Website

https://www.lsce.ipsl.fr/

Phone

+XXX XXXXXXXXX

Phone 2

+XXX XXXXXXXXX

Fax

+XXX XXXXXXXXX

## Other contact persons

First Name	Last Name	E-mail	Phone
Arnaud	Delimoges	arnaud.delimoges@uvsq.fr	+XXX XXXXXXXXX
Thomas	Lauvaux	thomas.lauvaux@lsce.ipsl.fr	+XXX XXXXXXXXX

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **IOS-PIB**

## PIC

998750316

## Legal name

INSTYTUT OCHRONY SRODOWISKA - PANSTWOWY INSTYTUT BADAWCZY

Short name: *IOS-PIB*

## Address of the organisation

Street ULICA KRUCZA 5/11D

Town WARSZAWA

Postcode 00 548

Country Poland

Webpage www.ios.edu.pl

## 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 .....no

Research organisation .....yes

Legal person .....yes

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

### Enterprise Data

SME self-declared status.....08/01/2009 - no

SME self-assessment ..... unknown

SME validation sme.....08/01/2009 - no

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

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **IOS-PIB**

## Department(s) carrying out the proposed work

### Department 1

Department name

Department of Atmospheric and Climate Modelling

☐ not applicable

☐ Same as proposing organisation's address

Street

Kolektorska 4

Town

Warsaw

Postcode

01-692

Country

Poland

## Dependencies with other proposal participants

Character of dependence	Participant	



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **IOS-PIB**

## 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 **Pawel**

Last name **Durka**

E-Mail **pawel.durka@ios.edu.pl**

Position in org.

Head of Department

Department

Department of Atmospheric and Climate Modelling

☐

Same as  
organisation name

☐ Same as proposing organisation's address

Street

Kolektorska 4

Town

Warsaw

Post code

01-692

Country

Poland

Website

http://ios.edu.pl

Phone

+48 503011439

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Grazyna	Wolak	grazyna.wolak@ios.edu.pl	+48 22 3750524

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **KRAKOW METROPOLIS ASSOCIATION**

**PIC**

904515107

**Legal name**

STOWARZYSZENIE METROPOLIA KRAKOWSKA

*Short name: KRAKOW METROPOLIS ASSOCIATION*

*Address of the organisation*

Street UL. WLADYSLAWA STANISLAWA REYMONTA

Town KRAKOW

Postcode 30 059

Country Poland

Webpage <http://metropoliakrakowska.pl/>

*Legal Status of your organisation*

## Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

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

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **KRAKOW METROPOLIS ASSOCIATION**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **KRAKOW METROPOLIS ASSOCIATION**

## 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 **Daniel**

Last name **Wrzosczyk**

E-Mail **biuro@metropoliakrakowska.pl**

Position in org.

Office Director

Department

STOWARZYSZENIE METROPOLIA KRAKOWSKA

☒

Same as  
organisation name

☒ Same as proposing organisation's address

Street

UL. WLADYSLAWA STANISLAWA REYMONTA, NR 20, LOK

Town

KRAKOW

Post code

30 059

Country

Poland

Website

http://metropoliakrakowska.pl/

Phone

+48123418512

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Maria	Piatkowska	maria.piatkowska@metropoliakrakowska.pl	+48123418572

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **3000.000 Km/s**

## PIC

917618934

## Legal name

Trescientosmilkilometrosorsegundo S.L.

Short name: 3000.000 Km/s

## Address of the organisation

Street Passeig de Sant Joan 5

Town Barcelona

Postcode 08010

Country Spain

Webpage www.300000kms.net

## Legal Status of your organisation

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....no

International organisation .....no

International organisation of European interest .....no

Industry (private for profit).....yes

Secondary or Higher education establishment .....no

Research organisation .....no

### Enterprise Data

SME self-declared status.....31/12/2017 - yes

SME self-assessment .....31/12/2017 - yes

SME validation sme..... unknown

Based on the above details of the Beneficiary Registry the organisation is an SME (small- and medium-sized enterprise) for the call.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **3000.000 Km/s**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **3000.000 Km/s**

## 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 **Pablo**

Last name **Martínez**

E-Mail **pablo@300000kms.net**

Position in org. Co-founder and scientific director

Department Trescientosmilkilometrosorsegundo S.L.



Same as  
organisation name

☒ Same as proposing organisation's address

Street Passeig de Sant Joan 5

Town Barcelona

Post code 08010

Country Spain

Website www.300000kms.net

Phone +34600840828

Phone 2 +xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Mar	Santamaría	mar@300000kms.net	+34661728511

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **CAPGEMINI TS**

## PIC

947643150

## Legal name

CAPGEMINI TECHNOLOGY SERVICES

Short name: CAPGEMINI TS

## Address of the organisation

Street 5-7 RUE FREDERIC CLAVEL

Town SURESNES

Postcode 92287

Country France

Webpage <http://www.capgemini.com>

## Legal Status of your organisation

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....no

International organisation .....no

International organisation of European interest .....no

Industry (private for profit).....yes

Secondary or Higher education establishment .....no

Research organisation .....no

### Enterprise Data

SME self-declared status.....07/12/2004 - 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.



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **CAPGEMINI TS**

## Department(s) carrying out the proposed work

### Department 1

Department name

Space Department

☐ not applicable

☐ Same as proposing organisation's address

Street

109 Avenue du General Eisenhower

Town

Toulouse

Postcode

31100

Country

France

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **CAPGEMINI TS**

## 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 **Carine**

Last name **Säut**

E-Mail **carine.saut@capgemini.com**

Position in org.

Business Developer

Department

Space Department

☐

Same as  
organisation name

☐ Same as proposing organisation's address

Street

109 Avenue du General Eisenhower

Town

Toulouse

Post code

31100

Country

France

Website

www.capgemini.com

Phone

+33 7 62 73 81 19

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx

## Other contact persons

First Name	Last Name	E-mail	Phone
Marc	Ferrer	marc.ferrer@capgemini.com	+33 687 861662

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **FUNDACJA SENDZIMIRA**

**PIC**

951517330

**Legal name**

FUNDACJA SENDZIMIRA

Short name: FUNDACJA SENDZIMIRA

Address of the organisation

Street WIARUSA 11/3

Town ZIELONKI

Postcode 32 087

Country Poland

Webpage www.sendzimir.org.pl

Legal Status of your organisation

## Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

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

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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **FUNDACJA SENDZIMIRA**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **FUNDACJA SENDZIMIRA**

## 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 **Tomasz**

Last name **Bergier**

E-Mail **tbergier@agh.edu.pl**

Position in org. **www.sendzimir.org.pl**

Department **FUNDACJA SENDZIMIRA**



Same as  
organisation name

☒ Same as proposing organisation's address

Street **WIARUSA 11/3**

Town **ZIELONKI**

Post code **32 087**

Country **Poland**

Website **www.sendzimir.org.pl**

Phone **+48 507 98 47 18**

Phone 2 **+xxx xxxxxxxxx**

Fax **+xxx xxxxxxxxx**

## Other contact persons

First Name	Last Name	E-mail	Phone
Karolina	Maliszewska	karolina.maliszewska@sendzimir.org.pl	+48 607 600 607

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **city2science - Science Communication and**

**PIC**

936318982

**Legal name**

city2science GmbH

*Short name: city2science - Science Communication and Strategy Consulting*

*Address of the organisation*

Street Unter den Linden 31

Town Herford

Postcode 32052

Country Germany

Webpage www.city2science.de

*Legal Status of your organisation*

## Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....no

International organisation .....no

International organisation of European interest .....no

Industry (private for profit).....yes

Secondary or Higher education establishment .....no

Research organisation .....no

## Enterprise Data

SME self-declared status.....18/12/2014 - yes

SME self-assessment ..... unknown

SME validation sme..... unknown

**Based on the above details of the Beneficiary Registry the organisation is an SME (small- and medium-sized enterprise) for the call.**

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **city2science - Science Communication and**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **city2science - Science Communication and**

## 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 **Annette**

Last name **Klinkert**

E-Mail **klinkert@city2science.de**

Position in org.

CEO

Department

city2science GmbH

☒

Same as  
organisation name

☒ Same as proposing organisation's address

Street

Unter den Linden 31

Town

Herford

Post code

32052

Country

Germany

Website

www.city2science.de

Phone

+49 151 2300 6370

Phone 2

+xxx xxxxxxxxx

Fax

+xxx xxxxxxxxx



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **EUSEA - EUROPEAN SCIENCE EVENTS AS**

## PIC

999779292

## Legal name

**EUSEA - EUROPÄISCHE GESELLSCHAFT FÜR WISSENSCHAFTSVERANSTALTUNGEN**

*Short name: EUSEA - EUROPEAN SCIENCE EVENTS ASSOCIATION*

## *Address of the organisation*

Street **ANTON BAUMGARTNERSTRASSE 44/C2/3/2**

Town **WIEN**

Postcode **1230**

Country **Austria**

Webpage **www.eusea.info**

## *Legal Status of your organisation*

### Research and Innovation legal statuses

Public body .....no

Legal person .....yes

Non-profit .....yes

International organisation .....no

International organisation of European interest .....no

Industry (private for profit).....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.**

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **EUSEA - EUROPEAN SCIENCE EVENTS AS**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCEcity**

Short name **EUSEA - EUROPEAN SCIENCE EVENTS AS**

## 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 **Annette**

Last name **Klinkert**

E-Mail **annette.klinkert@eusea.info**

Position in org.

Executive Director

Department

EUSEA c/o Verein ScienceCenter-Netzwerk

☐

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organisation name

☐ Same as proposing organisation's address

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# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **Origins.earth**

## PIC

896560137

## Legal name

Origins SAS

Short name: *Origins.earth*

## Address of the organisation

Street 16 place de l'Iris

Town Paris La Défense

Postcode 92040

Country France

Webpage [www.origins.earth](http://www.origins.earth)

## Legal Status of your organisation

### Research and Innovation legal statuses

Public body .....unknown

Non-profit .....unknown

International organisation .....unknown

International organisation of European interest .....unknown

Secondary or Higher education establishment .....unknown

Research organisation .....unknown

Legal person .....yes

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

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **Origins.earth**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **Origins.earth**

## 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 **Fouzi**

Last name **Benkhelifa**

E-Mail **fouzi@origins.earth**

Position in org.

CEO

Department

Origins SAS



Same as  
organisation name

☒ Same as proposing organisation's address

Street

16 place de l'Iris

Town

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Post code

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Country

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Phone

+33699812118

Phone 2

+XXX XXXXXXXXX

Fax

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# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **OSLO KOMMUNE**

## PIC

994216051

## Legal name

OSLO KOMMUNE

Short name: OSLO KOMMUNE

## Address of the organisation

Street RADHUSET

Town OSLO

Postcode 0037

Country Norway

Webpage www.oslo.kommune.no

## 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 .....no

Research organisation .....no

Legal person .....yes

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

### Enterprise Data

SME self-declared status.....07/06/1995 - 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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **OSLO KOMMUNE**

## Department(s) carrying out the proposed work

### Department 1

Department name

☐ not applicable

☒ Same as proposing organisation's address

Street

Town

Postcode

Country

### Department 2

Department name

☐ not applicable

☐ Same as proposing organisation's address

Street

Town

Postcode

Country

## Dependencies with other proposal participants

Character of dependence	Participant	
<input type="text"/>	<input type="text"/>	



# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **OSLO KOMMUNE**

## 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

Sex ☐ Male ☒ Female

First name **Tiina**

Last name **Ruohonen**

E-Mail **tiina.ruohonen@byr.oslo.kommune.no**

Position in org.

Department

☐ Same as organisation name

☒ Same as proposing organisation's address

Street

Town

Post code

Country

Website

Phone

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## Other contact persons

First Name	Last Name	E-mail	Phone
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# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **CITY OF ESSEN**

**PIC**

948315942

**Legal name**

STADT ESSEN

Short name: CITY OF ESSEN

Address of the organisation

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Town ESSEN

Postcode 45121

Country Germany

Webpage www.europa.essen.de

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 .....no

Research organisation .....no

Legal person .....yes

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

## Enterprise Data

SME self-declared status.....01/01/1900 - 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.

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **CITY OF ESSEN**

## Department(s) carrying out the proposed work

### No department involved

Department name

*Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street

*Please enter street name and number.*

Town

*Please enter the name of the town.*

Postcode

*Area code.*

Country

*Please select a country*

## Dependencies with other proposal participants

Character of dependence	Participant	

# Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym

**EVIDENCE**city

Short name **CITY OF ESSEN**

## 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 **Kai**

Last name **Lipsius**

E-Mail **kai.lipsius@gha.essen.de**

Position in org.

Technical Director

Department

STADT ESSEN



Same as  
organisation name

☒ Same as proposing organisation's address

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PORSCHEPLATZ 1

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Country

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+49 201 8882300

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Fax

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## Proposal Submission Forms

Proposal ID **SEP-210640245**

Acronym **EVIDENCEcity**

### 3 - Budget

Total requested EU contribution for the proposal/ €	9 730 000
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# EVIDENCE-BASED GOVERNANCE FOR THE DEPLOYMENT OF NBS TO REDUCE AIR EMISSIONS IN CITIES



## 1. Excellence

The **European Green Deal will only be successful if supported and adopted by city governments and citizens**. Around 75% of Europeans live in cities, contributing more than 70% of CO<sub>2</sub> emissions in Europe. At the same time, a significant proportion of city dwellers are exposed to concentrations of certain air pollutants exceeding the EU limit and target values<sup>1</sup>, and vulnerable to climate risks<sup>2</sup>. Cities are melting pots where decarbonisation goals for transport, energy, buildings and even agriculture co-exist alongside ambitions for greener and more liveable cities with high levels of well-being. The density of use and infrastructures in cities entails a higher potential for cross-sectoral integration of complex solutions, such as Nature Based-Solutions (NBS). In addition, cities have access to more capital and know-how to create economies of scale, which is necessary for the piloting and scaling up of innovative new concepts.

NBS have a multi-functional role, with a potential to address social, cultural, environmental and economic challenges. NBS have been mainly utilised to address challenges such as water management, climate change mitigation, and land use. Yet, **their application for the mitigation of air pollution and Greenhouse Gas (GHG) emissions still faces important challenges**, since they depend on complex processes and interlinkages, and could promote unwanted impacts. For NBS to be effective in tackling these issues, they need to: 1) **create an opportunity for optimising resources and reducing emission sources**; and 2) **be aligned with specific policy goals** (local or regional) in terms of their design, evaluation and implementation.

### 1.1 Objectives

The main objective of EVIDENCEcity is to **assess the contribution of NBS to the improvement of urban air quality and reduction of the urban carbon footprint by providing: 1) science-based evidence on the effectiveness of NBS, collected from monitoring and modelling studies; and 2) experience-based evidence on the implementation of NBS, derived from governance, business and finance models in a co-creation process with the involvement of citizens and relevant societal stakeholders**. In the long term, the EVIDENCEcity results will contribute to economic regeneration and social wellbeing, while reducing air pollution and GHG emissions in European urban areas.

The EVIDENCEcity objective will be achieved through the co-design and co-development of **five Living Labs** in the urban areas of **Krakov, Oslo, Essen, Toulouse and Barcelona**. These urban areas have different environmental challenges in terms of air pollution and GHG emissions, and they represent different geographic, socio-economic and cultural conditions. Within the project's timeline, each of the five cities will establish and develop a participatory Living Lab to assess the optimal NBS under diverse scenarios and conditions. In EVIDENCEcity, Living Labs are defined as locally based, user-centred open innovation ecosystems that integrate current research and innovative processes within government, academia, local community, and business partnerships. The Living Lab methodology will be continuously developed, tested, monitored and evolved through collaboration between the five cities throughout the project.

The project is designed to encompass a wide range of methodological approaches, including scientific methods and tools, citizen engagement processes, assessment of socio-economic impacts, and social, business and governance innovation. To this end, the project includes a coalition of research centres, local authorities and stakeholders for each Living Lab, building up an interdisciplinary consortium that consists of: **cities and metropolitan authorities** (Krakov Metropolis, City of Oslo, City of Essen, Toulouse Metropole, and Barcelona Metropolitan Area), **research centres** (BSC, NILU, HZG, IOS-PIB, UAB, LSCE, ISGLOBAL, and WR), **SMEs with experience in urban planning** (300.000Km/s), **climate mitigation services** (Origins.earth) and **citizen engagement** (city2science), **non-profit associations** working on social innovation (SII and Sedzimira), city and public engagement **networks** (EUROCITIES and EUSEA), and an expert **consulting firm** on satellite data (CAPGEMINI).

<sup>1</sup> EEA, 2019. Air quality in Europe — 2019 report. <https://www.eea.europa.eu/publications/air-quality-in-europe-2019>

<sup>2</sup> IPCC, 2019. Global Warming of 1.5 °C. <https://www.ipcc.ch/sr15/>

EVIDENCEcity has the following five specific objectives (related work packages are given in parenthesis):

**Objective 1: To evaluate the role of NBS in improving air quality and reducing carbon footprints (WP4)**

EVIDENCEcity will produce solid knowledge on maximising the effectiveness of NBS that are specially designed to reduce air pollution and GHG emissions at the source, considering different urban designs and climatic, environmental and socio-economic conditions, as well as promoting resource circularity. Tangible outputs: Quantification of potential changes in air quality levels and GHG emissions by implementing the NBS scenarios planned for each city. Related impact indicators (see section 2.1): I2A and I3B

**Objective 2: To provide an integrated assessment of the socio-economic impacts of NBS (WP6)**

EVIDENCEcity will perform an integrated assessment beyond air quality improvement and GHG emission reduction to evaluate the impacts of NBS on: human well-being (mental and physical health); resilience of the urban area (ecological connectivity, integrity, and degree of resource optimisation); social justice (social inequalities, vulnerability, equity, and stakeholder preferences); and cost-effectiveness (economic impact indicators). Tangible outputs: Report on the impacts of NBS on well-being, resilience, social justice, cost-effectiveness and cultural determinants. Related impact indicators (see section 2.1): I2A and I3B

**Objective 3: To deliver a validated methodology for co-creating and implementing NBS (WP3/5)**

EVIDENCEcity will create and implement a methodology that integrates stakeholders from the local/regional governments and administrations, academia, community and business sector in participatory decision-making processes. These processes will take place in innovative co-creation spaces, referred to as Living Labs, which will enable collaborative innovation and serve as test beds to refine and adapt the methodology for NBS implementation according to the specific conditions of each city. Tangible outputs: Methodology and guidelines for cities to co-develop and implement NBS for improved air quality and reduced GHG emissions. Related impact indicators (see section 2.1): I2B, I4A, I4B and I4C.

**Objective 4: To enhance clustering and cross-project cooperation (WP2/4)**

EVIDENCEcity will promote knowledge exchange and clustering between ongoing and past initiatives and taskforces, facilitating the integration of this knowledge. In doing so, the project will pave the way for the use of NBS to reach the air quality and GHG emission targets. Tangible outputs: Dissemination actions, such as seminars, workshops, online tools and webinars, to connect EVIDENCEcity with other on-going H2020 projects (e.g. NATURVATION, ThinkNature, Nature4Cities); creation of synergies with activities undertaken by relevant initiatives and platforms (in particular, the Covenant of Mayors); use of European platforms for knowledge exchange and networking (e.g. Climate-ADAPT, Oppla). Related impact indicators (see section 2.1): I3A and I3B.

**Objective 5: To enhance the impact and promote the upscaling and wide deployment of marketable NBS (WP7/8)**

The project will design workshops and bootcamp sessions dedicated to business model development and upscaling of NBS to be implemented in the pilot cities. Capacity-building activities at European level and the involvement of “companion cities” will enhance the expertise of local and regional administrations on NBS implementation, and on co-governance mechanisms for new and existing NBS. These activities are linked to an effective communication and dissemination strategy, such as specific campaigns at a local level. Tangible outputs: A learning environment for companion cities and businesses; a carefully designed deployment strategy to leverage wide upscaling potential; visits of companion cities to the five partner cities where the NBS are implemented to promote upscaling and enhance the impact. Related impact indicators (see section 2.1): I1A-D, I3A, I3B and I5A and I5B.

## 1.2 Relation to the work programme

EVIDENCEcity responds to the H2020 LC-CLA-11-2020 call, “Innovative nature-based solutions for carbon neutral cities and improved air quality”. The main goal of EVIDENCEcity is well aligned with the overall scope of the call, namely to fill the knowledge and evidence gaps regarding the contribution of NBS in tackling air quality and GHG mitigation in cities. The scope of the call will be addressed by EVIDENCEcity as follows:

*“assess the direct and indirect contribution of nature-based solutions (...) to combating air pollution, reducing allergy potential and mitigating GHG (...) including future scenarios”*

EVIDENCEcity will achieve this scope by performing numerical modelling studies assessing the impacts of NBS on GHG emissions and concentration levels of airborne pollutants. Model simulations will be evaluated against data available from each city. The combination of modelling and monitoring results will allow the consortium to obtain a comprehensive evaluation of baseline scenarios, in order to understand the role of NBS in mitigating air pollution and GHG emissions. Besides this, allergy potential will be assessed by combining conventional pollen observations (analysed in the laboratory for Barcelona and Toulouse) with novel aerosol spectrometer measurement devices. In addition, future air pollution patterns in urban areas will be analysed at a

European scale. Regional climate projections will be derived from Copernicus C3S. (Objective 1, WP4)
<i>“Benefits and co-benefits (...), synergies (...) and trade-off (...) must be evaluated”</i>
The EVIDENCEcity co-creation process will include an assessment of the main local beneficiaries and actors of the NBS selected for each case study, e.g. local businesses, insurance companies, and local (neighbourhood) associations. The methodology will include the mapping and prioritisation of benefits and co-benefits related to each action in order to evaluate the most adequate business and financial models to address specific needs at each location. Particular attention will be given to citizens’ health and well-being (mental and physical), as well as social inequalities, exclusions and gentrification. (Objective 2, WP6)
<i>“continuous monitoring (...) the improvement of relevant modelling capacity, deploying indicators enabling easy assessment (...) comparison and sharing best practices on the ground as well as observational programmes”</i>
In the five Living Labs, this scope will be achieved by using and combining (Objective 1, WP4): <ul style="list-style-type: none"> <li>• air quality monitoring: ground-based monitoring data and production of new high-resolution products based on the Copernicus Sentinel satellites (NO<sub>2</sub>, CO and SO<sub>2</sub> column concentrations from Sentinel 5P TROPOMI)</li> <li>• CO<sub>2</sub> data (OCO-2, OCO-3 and Copernicus Sentinel 5P)</li> <li>• estimates of annual carbon sequestration in biomass over green areas by means of combining visible and radar satellite imagery data (Copernicus Sentinel-1 and Sentinel-2)</li> </ul>
<i>“test innovative governance, business and finance models promoting participatory co-creation processes”</i>
Co-creation and innovative techniques will be the basis of the decision-making process in the Living Labs. Four main inputs will be used for this process: 1) the existing governance model and stakeholders’ map for each city; 2) best practices of previous participatory processes on NBS and other sectors; 3) previous NBS projects working on governance innovation and new business models, such as EdiCitNet, Phusicos, Nature4Cities and NATURVATION; and 4) main barriers to effective NBS deployment in terms of different climatic and environmental challenges, socio-economic conditions and urban typologies. This will allow us to design the governance camps, and financial and business model workshops with sufficient information to allow the participants to make informed decisions and select the most adequate NBS. The co-created NBS will be implemented in the five Living Labs, and their impact will be measured to retrofit the EVIDENCEcity methodology. (Objective 3, WP3)

### 1.3 Concept and methodology

#### 1.3.1 Concept underpinning EVIDENCEcity

European cities have policy plans and programmes in place towards reducing GHG emissions, improving air quality, and re-naturalising cities in connection with climate mitigation and adaptation, well-being and biodiversity, among others. When these plans require changes in infrastructures, identifying cost-effective alternatives to grey and technology-based infrastructures is key for decision-makers. NBS have demonstrated financial advantages compared to conventional infrastructures; however, wide implementation of NBS to improve urban air quality and reduce GHG emissions still faces three main challenges that will be tackled by EVIDENCEcity:

- Bringing science-based evidence to fill the knowledge gap regarding the real effects of NBS on air pollution reduction and carbon sequestration.
- Assessing the socio-economic impacts of NBS.
- Providing evidence-based co-creation methods that engage all relevant actors, including citizens, in order to design and implement more inclusive NBS.

#### Science-based evidence: NBS and air quality links

NBS can remove airborne pollutants through different mechanisms, such as short-term removal with subsequent re-suspension back to the atmosphere, long-term removal when the pollutant is incorporated into structures and sequestered, or by transfer to another medium (e.g. soil or water). Moreover, NBS can increase the resilience to climate change effects (i.e. reduction of urban heat islands). The efficiency of each NBS type depends on multiple factors, including the type of pollutant, type of vegetation and location of green areas with respect to pollutant concentrations, configuration of the urban structure and design, meteorological conditions, and atmospheric processes governing the city. Recent studies have concluded that there is little empirical evidence that NBS affecting only specific air quality-related processes (e.g. pollutants deposited onto vegetation surfaces or green



roadside barriers to reduce downwind pollution exposure) are effective<sup>3,4</sup>. Moreover, there is an increasing consensus that implementing NBS in urban areas can lead to potential unintended consequences, such as: 1) the trapping of air pollutants in street canyons due to the presence of trees; 2) the possible increase in aeroallergens (i.e. pollen) and biogenic volatile organic compounds; and 3) the formation of secondary pollutants (ozone and secondary organic aerosols)<sup>3</sup>. Finally, as a result of climate change, the problem of the formation of secondary pollutants, which is especially relevant now in Mediterranean cities, may be extended to other latitudes.

EVIDENCEcity aims to establish to what extent and under which conditions NBS can effectively contribute to the improvement of urban air quality and reduction of GHG emissions under multiple urban scenarios. We will carry out emission and air pollution modelling using state-of-the-art models available for each pilot city, combined with available monitoring networks and observational programs. Modelling tools will allow us to define what-if scenarios according to the policy goals of each Living Lab, to predict the potential effects of NBS (both positive and negative) before implementing new infrastructure and to better adapt NBS implementation.

#### **NBS to tackle air quality and GHG reduction**

Several NBS have a potential role in improving urban air quality and reducing urban GHG emissions. The NBS listed below will be analysed in EVIDENCEcity, together with the main process involved to mitigate atmospheric emissions:

- Green corridors and dense green infrastructure → Impact on fossil fuel-based mobility
- Green roofs → Impact on building energy efficiency and reduction of residential energy consumption
- Urban and peri-urban agriculture → Reduction of food mileage and associated transportation emissions
- Other greening interventions (e.g. street trees) → Deposition and increase of carbon sequestration

Special focus will be placed on **green corridors and dense green infrastructure** designed to affect mobility. These two NBS enable a large reduction in fossil fuel-based mobility and a shift in mobility patterns (e.g. walking and cycling). At the same time, these solutions face governance-citizen discussions that will highly benefit from the EVIDENCEcity Living Labs.

#### **Integrated impact assessment: evaluating the socio-economic impacts of NBS**

New policy measures implemented to improve urban air quality and reduce GHG emissions can be beneficial on different socio-economic aspects, but also bring about some unwanted impacts. NBS are complex as they rely on ecosystem functioning that evolves and varies in space and time. Thus, NBS should be explored holistically, assessing socio-economic links to enable policymakers and urban planners to make better-informed decisions.

EVIDENCEcity will evaluate the link between the proposed NBS and different socio-economic aspects. This integrated assessment will have three main lines of work. First, the benefits and co-benefits of NBS, including citizens' health and well-being, biodiversity and climate change adaptation will be assessed. Second, synergies and trade-offs, including impacts on social inequalities, will be evaluated. Finally, the cost-effectiveness and welfare benefits of NBS measures and strategies at the urban and peri-urban landscape scale will be assessed.

#### **Living Labs: building co-creation platforms**

Citizens and businesses experience unavoidable changes when NBS are implemented in a city. Regardless of the scientific evidence and socio-economic benefits that could come from the reduction of air pollution or GHG emissions, we must understand the trade-offs for all relevant actors to successfully implement NBS. Sorting these trade-offs with engagement and empowerment of citizens is necessary to trigger behavioural change and reach mature NBS that can be scaled up, achieving changes towards sustainable future cities.











Co-creation is a cross-cutting issue that EVIDENCEcity will tackle with the creation of a Living Lab for each pilot city. Living Labs will be based on the Quadruple Helix framework<sup>5</sup>, which ensures the active involvement of all relevant actors from the government, community, businesses and academia. Each Living Lab, designed as an open innovation platform, is a loose coalition of local and regional authorities, citizens, civil society, NGOs, community groups, SMEs, businesses, consultancies, universities, research institutes and knowledge networks. Together, they will work through different participatory activities in an interdisciplinary and iterative manner to design, assess and adopt the pilot NBS in each city. After initial testing and co-creation in each cycle, the next step can be to improve, reject, or upscale and replicate the NBS.

<sup>3</sup> Kumar et al., 2019. *The nexus between air pollution, green infrastructure and human health*. DOI: 10.1016/j.envint.2019.105181

<sup>4</sup> Rafael, et al., 2020. *Re-Naturing Cities: Evaluating the effects on future air quality in the city of Porto*. 10.1016/j.atmosenv.2019.117123

<sup>5</sup> Carayannis, et al., 2010. *Triple Helix, Quadruple Helix and Quintuple Helix and How Do Knowledge, Innovation and the Environment Relate To Each Other?*. DOI:10.4018/jesed.2010010105

**Table 1.** Main characteristics of the EVIDENCEcity Living Labs defined by the city partners, all of which have proven experience in Living Labs processes. The pilot cities have different climatic, geographic, cultural and socio-economic conditions, and have been selected to represent different environmental challenges regarding air pollution and GHG emissions. This selection ensures a broad perspective on NBS effectiveness at European level.

LIVING LAB	Climate / Geography	City population / Metropolitan area
<b>KRAKOW</b>	 Central Europe, Continental	 771,069 in city 1.1 million in metropolitan area
<p><b>Environmental and socio-economic challenges:</b> Poor air quality, and major problems with particulate matter (PM) and benzo(a)pyrene levels, mainly caused by household emissions (coal combustion) and poor ventilation conditions. Intensive urbanisation and suburbanisation, investment pressure on green areas and their fragmentation.</p> <p><b>NBS priorities/policy goals:</b> Create a blue-green network in Krakow and metropolitan area, providing a variety of key ecosystem services to improve air quality, sustainable heavy rain management, urban heat island mitigation, areas for relaxation and recreation, and alternative transport modes.</p> <p><b>NBS pilot and location:</b> Blue-green network in Krakow city and the metropolitan area.</p>		
<b>OSLO</b>	 Northern Europe, Coastal	 690,335 in city 1.2 million in metropolitan area
<p><b>Environmental and socio-economic challenges:</b> Poor air quality during the winter due to inversion episodes, rapid urbanisation and densification, growing socio-economic divide between east and west Oslo with large health impacts (e.g. lifestyle diseases, reduced life expectancy), cultural and economic divide between citizens using active modes of transport.</p> <p><b>NBS priorities/policy goals:</b> Increase amount of green networks, green corridors and vegetation in central parts of the city by 2030. Reduction of 95% in GHG emissions by 2030 (2009 baseline).</p> <p><b>NBS pilot and location:</b> Green corridors and other green initiatives in conjunction with the extension of <i>Car Free City</i> in the neighbourhoods of: Hovinbyen, Kampen, Fagerborg, Torshov and Grünerløkka.</p>		
<b>ESSEN</b>	 Central Western Europe, Continental	 591,018 in city 5.1 million in metropolitan area
<p><b>Environmental and socio-economic challenges:</b> Exceeding the air quality limits for NO<sub>2</sub>, mainly due to traffic emissions. The city and region are heavily influenced by former industrialisation, and transformation of land use and infrastructure is still in progress. There is still a social and economic divide between the south (Ruhr Valley) and north (Emscher Valley), with an average unemployment of 10.2%.</p> <p><b>NBS priorities/policy goals:</b> Reform the mobility structure to define a green and blue network, including walking and cycling ways. Reduction of 95% in GHG emissions by 2050 (1990 baseline). Creation of 25,000, green jobs by 2025.</p> <p><b>NBS pilot and location:</b> Cycling routes within the green-blue (north-south) corridors.</p>		
<b>TOULOUSE</b>	 Southern Europe, Continental	 475,438 in city 762,956 in metropolitan area
<p><b>Environmental and socio-economic challenges:</b> Recurrent overruns of NO<sub>2</sub>. Road transport is the main source of NO<sub>x</sub> emissions in the region, while domestic combustion represents up to 38% of PM emissions. Increase of extreme heatwaves. Population density: increased by more than 20,000 inhabitants per year.</p> <p><b>NBS priorities/policy goals:</b> <i>Tree-planting programme</i> (100,000) for revegetation of the urban landscape, ensuring ecological continuity and enabling the development of green areas in dense urban areas.</p> <p><b>NBS pilot and location:</b> Green space on the outskirts of the city to restore the degraded ecosystem.</p>		
<b>BARCELONA</b>	 Mediterranean, Coastal	 1.6 million in city 3.2 million in metropolitan area
<p><b>Environmental and socio-economic challenges:</b> High obligatory urban mobility due to imbalances in the location of uses, air pollution (exceeding air quality levels for NO<sub>2</sub>), and increased GHG emissions. Dense and complex territory with 48% of the land urbanised (20% intended for roads), fragmentation of the territory and lack of ecological and social connectivity, social segregation between nearby neighbourhoods, increase in the older population and immigration.</p> <p><b>NBS priorities/policy goals:</b> Reform the road system to promote active mobility and a shift towards safer, more sustainable, efficient and equitable transportation that helps reduce GHG emissions (40% reduction by 2030, compared to 2005 levels).</p> <p><b>NBS pilot and location:</b> Transformation of certain roads into green metropolitan avenues in the Llobregat river area and neighbouring areas.</p>		

### 1.3.1.1 Technology Readiness Level (TRL) and positioning of EVIDENCEcity

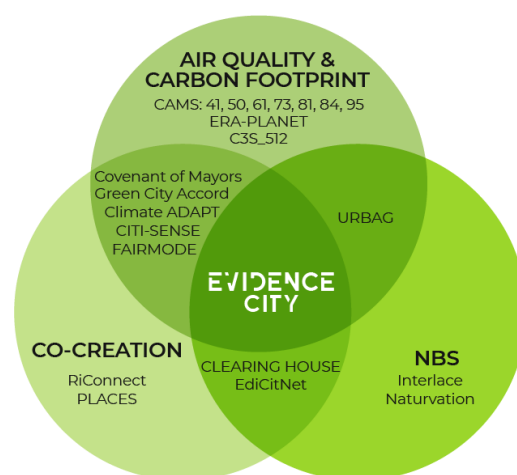
Understanding air pollution dynamics in cities is crucial for decision-making on urban air quality management matters. However, at a regional and/or city scale, local air quality experts often lack access to modelling tools and/or expertise in using these tools to assess the impact of various strategy options on air quality<sup>6</sup>. Air quality management plans typically include measures based on statistical methods that do not sufficiently account for the complex processes affecting urban air quality, which limits the potential effects of these measures, such as in the case of low emission zones for improving urban air quality in European cities<sup>7</sup>.

In each EVIDENCEcity Living Lab, a research centre with experience in the specific air quality dynamics and emissions of the areas of study will work together with local and regional authorities, the community and the business sector to provide solid evidence for maximising the effectiveness of NBS in reducing air pollution and GHG emissions. EVIDENCEcity covers the whole spectrum from testing to the real implementation of NBS in selected cities. The project will advance NBS from TRL5 (technology validated in relevant environment) to reach TRL7 (system prototype demonstration in operational environment) as a result of the co-development process that involves city stakeholders and state-of-the-art research methods and approaches.

### 1.3.1.2 Links with other research and innovation activities

Figure 1 presents a summary of other research and innovation activities linked to EVIDENCEcity, in which consortium partners are participating. These activities are organised in three key blocks: air quality and carbon footprint, co-creation process in cities (involving the community, businesses and policymakers), and NBS. During the whole duration of the project, we will explore and coordinate synergies between EVIDENCEcity and these (and other) initiatives in order to ensure an efficient use of resources, the highest possible impact and no overlapping with other projects.

Figure 1. Research and innovation activities linked to EVIDENCEcity in which consortium members are participating.



### 1.3.2 Methodology

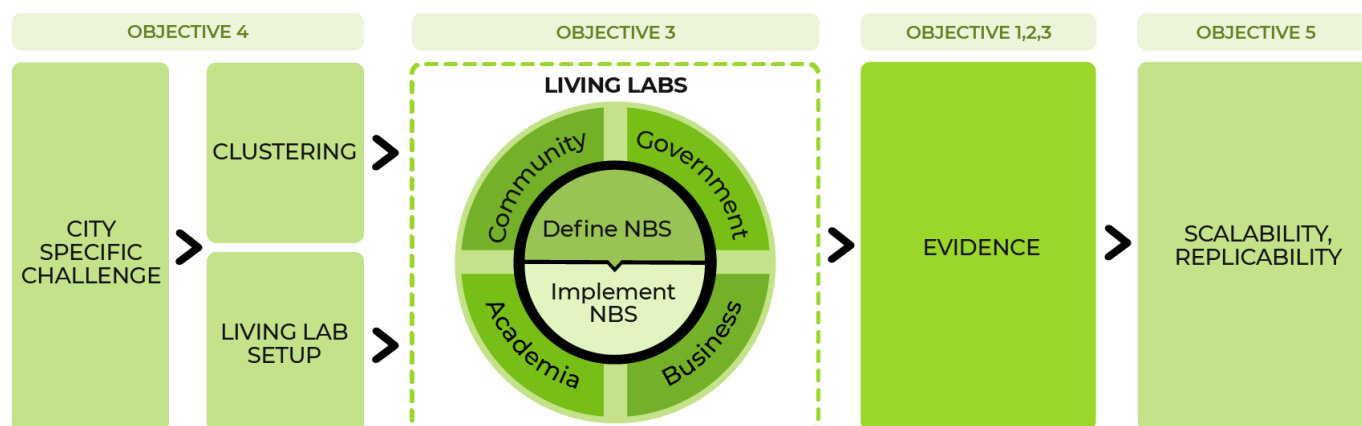


Figure 2. EVIDENCEcity project workflow and related objectives (see section 1.1).

In EVIDENCEcity, city-specific challenges in terms of air quality and GHG emissions will be addressed by building on previous experience (clustering) and setting up five Living Labs. In each Living Lab, the community, academia, businesses and government will work together to define the appropriate NBS to address each city's challenges. Following the NBS implementation, the evidence gathered at each case city will be assessed jointly to determine the scalability and replicability of these solutions. This methodology can then be used to select and implement the appropriate NBS in other cities according to their different environmental, geographic and socio-

<sup>6</sup> EEA, 2019. Europe's urban air quality, re-assessing implementation challenges in cities. DOI: 10.2800/214599

<sup>7</sup> Holman, et al., 2015. Review of the efficacy of low emission zones to improve urban air quality in European cities. DOI: 10.1016/j.atmosenv.2015.04.009

economic conditions. We describe the detailed methodology of EVIDENCEcity in 8 WPs, which will be coordinated in WP1:

**WP1: Management of the project (BSC).** Entails quality assurance of the project deliverables, internal communication, project planning, configuration management, reporting and administrative tasks.

**WP2: Clustering and cross-project cooperation (EUROCITIES).** WP2 aims to ensure the collaboration of EVIDENCEcity with ongoing and future NBS projects, H2020 NBS taskforces (established by DG RTD and EASME) and citizen observatories to create synergies both during and beyond the project's lifetime. Clustering activities will enable information exchange and mutual learning among cities and initiatives. The cooperation between the five EVIDENCEcity Living Labs will create a local community of practice that will be extended through clustering into an EU-wide community of practice, allowing the partner cities to build on each other's experience and outputs, and thus enhance the impact of the project. WP2 will build a 'cooperation matrix' centred on NBS targeting different challenges and using diverse methodological approaches. This matrix will include relevant initiatives (i.e. the Covenant of Mayors), and European platforms that contribute to knowledge exchange and networking (e.g. Climate-ADAPT, ThinkNature, Oppla).

**WP3: NBS pilot implementation and governance innovation (SII).** WP3 aims to design, test and implement the NBS co-created in the Living Labs. WP3 will use inputs from WP4 (environmental impact of NBS solutions), WP5 (stakeholder engagement) and WP6 (socio-economic impact of NBS solutions) to conceive the participatory decision-making process in each Living Lab. The Living Lab activities will include a set of workshops inspired by the design thinking approach (define, ideate, prototype & test), and academia will provide the necessary information and evidence to allow the participants to make informed decisions. This way, all actors in the Living Lab will work together to select the type of NBS to be implemented, identify innovative governance models, and test business and financial models. Based on this process, guidelines on how to apply the EVIDENCEcity methodology will be shared with municipalities, city planners, businesses and other stakeholders. The process will allow to identify specific policies that could ease the wide deployment of NBS and maximise their impact, and the main conclusions will be shared as policy recommendations to specific EU regulations (see Expected Impact 5).

**WP4: Direct and indirect effects of NBS on achieving air pollution reduction and carbon-neutral cities (NILU).** WP4 aims to produce solid knowledge on the effectiveness of NBS in improving air quality and reducing GHG emissions. Different scientific methods to support the participatory processes in the Living Labs will be used: Earth system modelling (i.e. emissions, air quality and climate projections), and observational data (i.e. continuous monitoring of atmospheric pollutants and pollen, and satellite information). The first step will be to design feasible scenarios of NBS implementation in the five Living Labs, assessing both direct and indirect effects of NBS by modelling activities. Direct effects include the increase in biogenic emissions, formation of ozone, particle filtering, carbon uptake and reduction of the urban heat island effect. Indirect effects include changes in anthropogenic emissions (e.g. traffic) and mobility pattern shifts as a result of the NBS design. The modelled scenarios will be combined with climate projections to evaluate the consequences under different climate change scenarios. The work will be complemented with an evaluation of the annual carbon budget in biomass and soils by combining visible and radar satellite imagery data, and satellite CO<sub>2</sub> information (OCO products) to demonstrate temporal and spatial variations of carbon stocks and fluxes.

**WP5: Co-creation and stakeholder engagement (city2science).** Human interaction, conflict, argument and debate are necessary for true innovation. WP5 aims to coordinate and facilitate the co-creation process in the Living Labs by engaging researchers, policy makers, businesses and citizens to enhance the stakeholder and citizen ownership of the NBS implemented in the pilot cities. Hackathons, science parliaments, urban think tanks and other engagement activities will be carried out in WP5 to foster demand-driven and user-led innovation, and inform back to WP3 for the implementation of the pilot NBS. The lessons learnt will be shared to provide practical evidence of successful and ineffective approaches that can be replicated or improved in other contexts.

**WP6: Assessment of the socio-economic impacts (UAB).** WP6 will deliver an integrated assessment of the NBS that are considered in the project, in order to share knowledge with other cities and support the implementation and monitoring of NBS. This assessment will be tailored to local city needs and conditions to gather evidence on the effects of NBS on: human well-being and health; resilience of the urban area (ecological connectivity, integrity, and degree of resource optimisation); social justice (social inequalities, vulnerability, equity, and stakeholder preferences); and cost-effectiveness (costs, benefits, and co-benefits).

**WP7: Scalability, replicability and business model development (WR, EUROCITIES).** WP7 aims to enhance the impact and promote the upscaling and replication of NBS. It will explore, characterise and assess constraints and enabling factors important for scalability, replicability and business model development in different contexts. We will develop scalable business models to capitalise NBS in relation to air quality and carbon-neutral cities (e.g. the

revenue sharing model relying on impact-based finance mechanisms). It will deliver conditions, causal factors and mechanisms describing how interventions work in context, offering insights to extend the results beyond the lifespan of the project. In addition, to support replication of the project results, up to 10 companion cities across Europe will be selected and matched with the pilot cities. Companion cities will be involved in capacity-building activities (e.g. replication workshops to discuss challenges, drivers and solutions), webinars, and peer-learning visits (e.g. study visits and/or mentoring visits), expanding the EVIDENCEcity community of practice.

**WP8: Outreach, dissemination and training activities (BSC).** WP8 will assess, integrate, and disseminate EVIDENCEcity findings to foster a broader understanding of the potential of NBS for achieving air quality and climate neutrality policy goals. WP8 will support capacity building in WP7 (training), and carry out a wide range of outreach and dissemination activities tailored to a diverse audience. An interdisciplinary approach will be used that takes into account different perspectives (natural, social and data sciences) and disciplines (economics, urban planning, architecture, design, governance and arts).

### 1.3.2.1 Sex and gender analysis

In urban decision-making processes, gender equality is critical as women and men face different challenges in participation and representation. We will follow integrative models of engagement and foster gender-sensitive approaches in all phases of the project, from conceptualisation and implementation to reflection and recommendation. Setting up governance models will require equitable and sustainable partnerships, involving men and women, as well as partners from different age groups and social backgrounds. In the consortium, 7 out of the 8 WPs are led by women, and we will encourage the recruitment of women at equal technical merit. We will also promote a family-friendly organisation of the work by developing e-conference tools to limit travel and encourage working-time flexibility, which will be helpful for staff with young children.

## 1.4 Ambition

### 1.4.1 Advances beyond the state of the art and ambition

**EVIDENCEcity will support the transition towards zero GHG emissions and help transform Europe** in line with the European Green Deal objectives. To achieve the climate neutrality aim by 2050, cities will need to find fit-for-purpose solutions to target the specific challenges imposed by climate change and air pollution. Cities and metropolitan authorities should implement changes in the areas where they already have considerable policy influence, such as transport, infrastructure and land use. To support the transition to zero carbon emissions, EVIDENCEcity will co-develop and co-design NBS in five Living Labs, and support the upscaling and replication of NBS that promote the reduction of air pollution.

**EVIDENCEcity will prepare cities for upcoming EU policy measures** by providing evidence and guidelines to help them achieve cleaner air and better health for current and future generations in light of the planned Zero Pollution Action Plan and the European Green Deal. The project also aspires **to create an opportunity for optimising the implementation of NBS with the final aim of improving urban air quality.**

**EVIDENCEcity will inspire future initiatives to include citizen empowerment and innovative co-governance.** The divisiveness surrounding improving urban air quality and reducing the carbon footprint at the various levels of government requires co-creation and co-governance, while citizens must have a substantial role, knowledge and resources in order to act as drivers for the transition to sustainable future cities. EVIDENCEcity will demonstrate this through sharing the lessons learnt in the Living Labs.

### 1.4.2 Innovation potential

There are several commercial and open access products covering: urban air quality modelling (e.g. ADMS-Urban), emission inventories and models (e.g. EMEP/CEIP emission inventory), satellite data (e.g. Sentinel missions), pollen observations (e.g. Point Information on Aerobiology), climate projections (e.g. Copernicus Climate Data Store), and monitoring stations (e.g. EIONET). However, there is not yet a tool that integrates all these aspects in combination with the co-development of new governance models. EVIDENCEcity is expected to enable innovations across the whole value chain, from the configuration of products, services and models, to the offering and experience of new NBS. To achieve this, we will make collaboration across disciplines and sectors a real practise. The engagement of cities both inside and outside the consortium will be sustained from the early phases of the project through their involvement in essential tasks, such as designing case studies and feasible scenarios and data source identification, which are crucial steps for the realisation of innovation and for producing outcomes relevant for policy making. We will test the cases within real decision situations, defining key challenges and possible solutions to adjust the plan if required. In that way, we will follow **the conceptual model of innovation**



**based on Invention–Application–Adaptation.** However, this high level of ambition also entails a risk. The complexity of social and natural scientific models may interact with the complex governance structure at city and metropolitan level. This is well known in the multidisciplinary consortium behind EVIDENCEcity; therefore, the project plan includes a research-policy interface supported by the communication with stakeholders and the society.

## 2 Impact

### 2.1 Expected impacts

This section describes how EVIDENCEcity addresses the expected impacts of the call topic, and lists quantified impact indicators and their respective targets to be completed by the end of the project (2025):

<i>Expected impact 1: In the mid-term, the creation of an European reference framework and the establishment of EU leadership in a new global market (supply and demand) for NBS, new economic opportunities, new products, services, protocols and standards, planning approaches and methods, leverage of investments, reduced regulative and administrative barriers, and new local green jobs</i>	
EVIDENCEcity will create economic opportunities for combating air pollution and GHG emissions in European cities. The project will demonstrate how NBS have financial advantages due to their cost-effectiveness. Five <b>Living Labs</b> across Europe will act as testbeds to co-create innovative methodologies to implement NBS in urban innovation ecosystems. We will guide policymakers through their practical implementation, supporting them to tackle socio-economic and environmental challenges. The planning approaches and methods tested in the five Living Labs will enable replications and scale-ups of proven and optimal NBS for <b>carbon-neutral cities across Europe</b> . This will transform the market potential of NBS by identifying commercial opportunities, thereby supporting the creation of new local green jobs.	
<b>Indicators 1A-C:</b> Number of EU stakeholders engaged for replication and scale-up efforts:	
<b>1A:</b> Private sector NBS service providers	15
<b>1B:</b> Urban planner, who can integrate NBS into city planning	20
<b>1C:</b> Local and regional authorities who can replicate and scale-up NBS implementation	30
<b>Indicator 1D:</b> Business models assessed and proposed for NBS for improved air quality	5
<i>Expected impact 2: Increased evidence and awareness of the benefits of re-naturing cities for combating air pollution and mitigating climate change and for improving health, well-being and resilience to the impacts of climate change.</i>	
EVIDENCEcity will merge innovative and advanced <b>scientific evidence</b> (monitoring and modelling) with new <b>participatory and inclusive innovation models</b> (novel governance, business and finance models) through <b>co-creation</b> with businesses, local and regional governments, academia, and citizens. This transdisciplinary approach will allow partners to quantify and understand how NBS contribute to improve urban air quality and to reduce GHG emission in current and future climate conditions and in a wide variety of urban scenarios. By assessing how NBS benefit citizen health and well-being, the project will reduce existing uncertainties and enhance the uptake and implementation of NBS. The project will raise awareness on the benefits of NBS in all relevant sectors of society by applying: a) a series of <b>participatory processes</b> in the Living Labs, b) defined <b>capacity building</b> actions in urban environments and c) an <b>effective communication and dissemination</b> strategy (e.g. ad-hoc local campaigns).	
<b>Indicator 2A:</b> Peer-reviewed publications about the effects of NBS on: air pollution and GHG emissions, allergens in cities (i.e. pollen), health, future climate and socio-economic conditions.	5
<b>Indicator 2B:</b> Number of citizens engaged or reached by project activities, thus increasing awareness on benefits and trade-offs of NBS (see also Indicator: 3B).	5,000
<i>Expected impact 3: Creation of 'communities of practice', more effective policy making and better informed decision making across Europe, based on an EU-wide evidence base regarding efficacy, efficiency, cost-benefiting and comparative advantages of a range of tested, well documented, up-scalable and marketable NBS</i>	
The five <b>Living Labs</b> will be the inception of <b>local communities of practice</b> to share the main problems, barriers and success stories in the process of greening our cities. The experience acquired in these five communities will be extended to a broader network of <b>companion cities</b> , building an <b>EU-wide community of</b>	

<p><b>practice.</b> This community will learn from each other through EVIDENCEcity capacity-building activities, dissemination of methodologies, guidelines and lessons learnt in the project. In addition, the project will enhance the market uptake of NBS for air quality and climate-neutral cities by engaging SMEs and other innovation-prone businesses in the conversation. The EU-wide evidence collected in the project will help policymakers to make better-informed decisions.</p>	
<p><b>Indicator 3A:</b> Minimum number of companion cities associated with EVIDENCEcity</p> <p><b>Indicator 3B:</b> Number of dissemination and engagement actions within the communities of practice: 4 replication workshops, 4 webinars, 5 factsheets, 10 peer-learning visits of companion cities, 6 online/printed dissemination materials and 1 policy brief</p>	<p>10</p> <p>30</p>
<p><i>Expected impact 4: Enhanced stakeholder and citizen ownership of the solutions through their effective and systematic involvement in co-creation processes for the development, implementation, monitoring and testing of the solutions and their integration in sustainable urban planning and design;</i></p>	
<p><b>Co-creation between stakeholders and citizens</b> is at the core of the EVIDENCEcity approach. Based on the Quadruple Helix framework, the Living Labs will connect government, citizens, businesses and academia throughout all project stages from design to implementation and evaluation. This will allow the development of city-tailored solutions that will encourage technological innovation, improved urban planning and design and better-informed policies. In this framework, <b>citizen and business involvement and behavioural change</b> are essential in achieving exponential changes towards socially and environmentally sustainable future cities. Mackathons, science parliaments, urban think tanks and other <b>engagement activities</b> will empower citizens and businesses ensuring that they play a key role in the co-development of NBS implemented in EVIDENCEcity.</p>	
<p><b>Indicator 4A:</b> Number of stakeholders involved in development, monitoring and testing of NBS</p> <p><b>Indicator 4B:</b> Number of participatory and engagement activities within the Living Labs</p> <p><b>Indicator 4C:</b> Increase of perceived citizen ownership of NBS after participating in the Living Labs</p>	<p>150</p> <p>40</p> <p>30%</p>
<p><i>Expected impact 5: Enhanced implementation of relevant EU air quality regulations and environmental policies and programmes, such as the EU Water Framework Directive, the 7th Environment Action Programme, the Urban Agenda for the EU, the Clean Air Programme, the EU Biodiversity Strategy, the EU Climate Change Adaptation Strategy and the conclusions of the COP21 Paris Agreement, and the 'Communication on Green Infrastructures', and of the Sustainable Development Goals (SDGs) – in particular SDG 11 'Make cities and human settlements inclusive, safe, resilient and sustainable'</i></p>	
<p>The ultimate goal of EVIDENCEcity is to contribute to SDG 11 'making cities and communities more sustainable'. The project will establish direct links between NBS implemented in the Living Labs and their impact on air quality, GHG emissions, health, and well-being. By analysing these links and the impact generated, policy recommendations will be developed to support EU policies favouring NBS, helping to achieve the ambitious objectives of the European Green Deal. We will analyse all related EU policy documents and will use the Living Labs to organise science-policy workshops to determine the most adapted policies to ensure a successful implementation of NBS in the five cities of the consortium and beyond. Some concrete examples of EVIDENCEcity contribution to EU regulations are given below:</p> <p><u>Clean Air programme</u>: the evidence and data generated in the Living Labs will contribute to the implementation of EU air quality regulations and air pollution limit values. The Living Labs will also assess the contribution of their NBS to the cities' objectives set in their energy and/or climate action plans, contributing to reducing local GHG emissions and improving resilience to climate change. <u>EU Climate Change Adaptation Strategy</u>: the partner cities will contribute to strengthening Europe's resilience to the impacts of climate change. Four out of five are signatories of the Covenant of Mayors and they are working to include the climate adaptation aspects into the new plans, and two (Barcelona and Oslo) are members of the global C40 network. <u>EU Biodiversity Strategy to 2020</u>: EVIDENCEcity will contribute to maintain and restore ecosystems and their services, and create evidence for integration of NBS into urban planning for increasing biodiversity, also in the context of the upcoming new EU biodiversity strategy.</p>	
<p><b>Indicator 5A:</b> Number of EU policies addressed by the EVIDENCEcity policy recommendations</p> <p><b>Indicator 5B:</b> Number of organised science-policy workshops</p>	<p>10</p> <p>3</p>



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