SPECS Climate Prediction for Climate Services

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SPECS motivation



<u>What</u>: to produce quasi-operational and actionable local climate information

<u>Why</u>: need information with improved forecast quality, a focus on extreme climate events and enhanced communication and services for RCOFs, NHMSs and a wide range of public and private stakeholders

<u>How</u>: with a new generation of reliable European climate forecast systems, including initialised ESMs, efficient regionalisation tools and combination methods, and an enhanced dissemination and communication protocol

Where: over land, focus on Europe, Africa, South America

<u>When</u>: seasonal-to-decadal time scales over the longest possible observational period

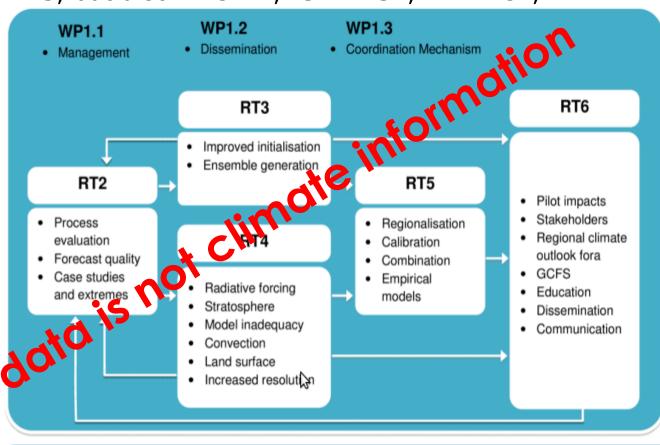
http://www.specs-fp7.eu





Strong links to EUPORIAS, but also NACLIM, IS-ENES2, PREFACE, ...

Forecast System	Project Partners
CNRM-CM5	CNRM, CERFACS
EC-Earth	KNMI, SMHI, BSC, ENEA
IFS/NEMO	ECMWF, UOXF
IPSL-CM5	CNRS
MPI-ESM	MPG, Upital
им С	UKMET



WP1.1: Management

WP1.2: Dissemination

WP1.3: Coordination across EUPORIAS, NACLIM & SPECS RT4: Improved systems

RT2: Evaluation of current s2d forecast systems

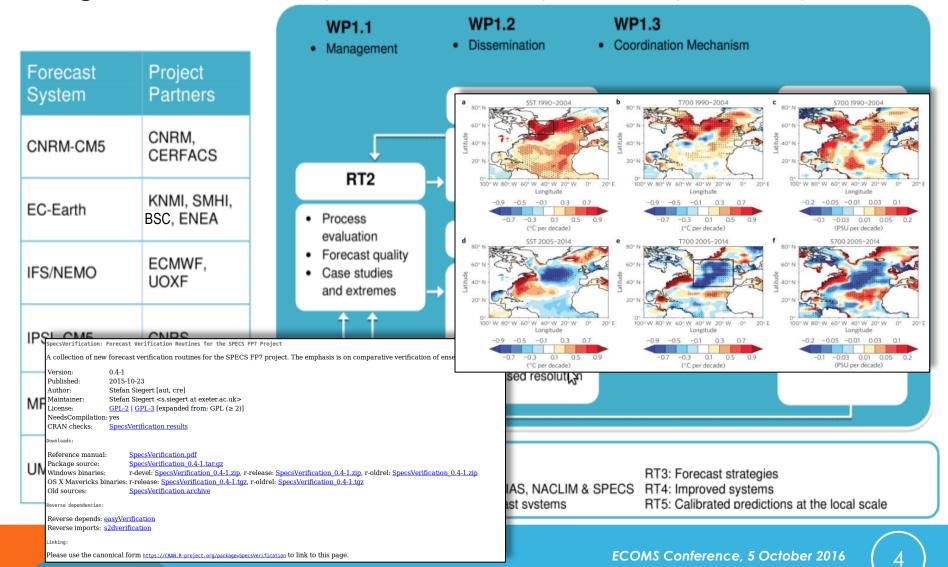
RT3: Forecast strategies

RT5: Calibrated predictions at the local scale





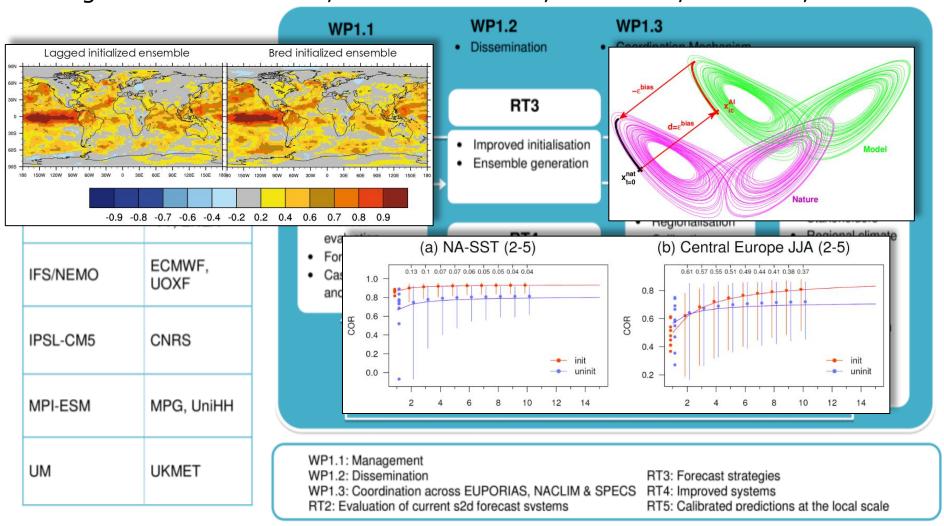
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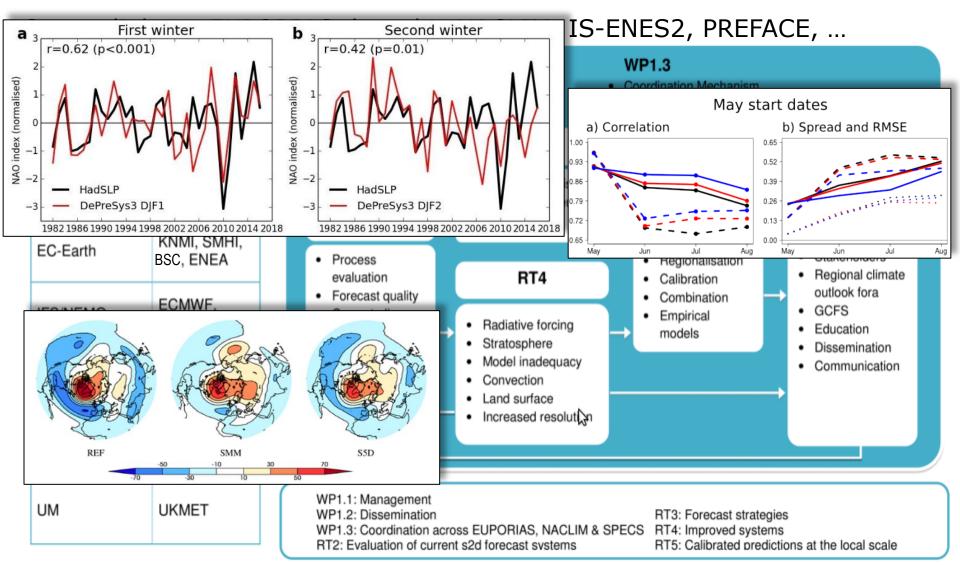


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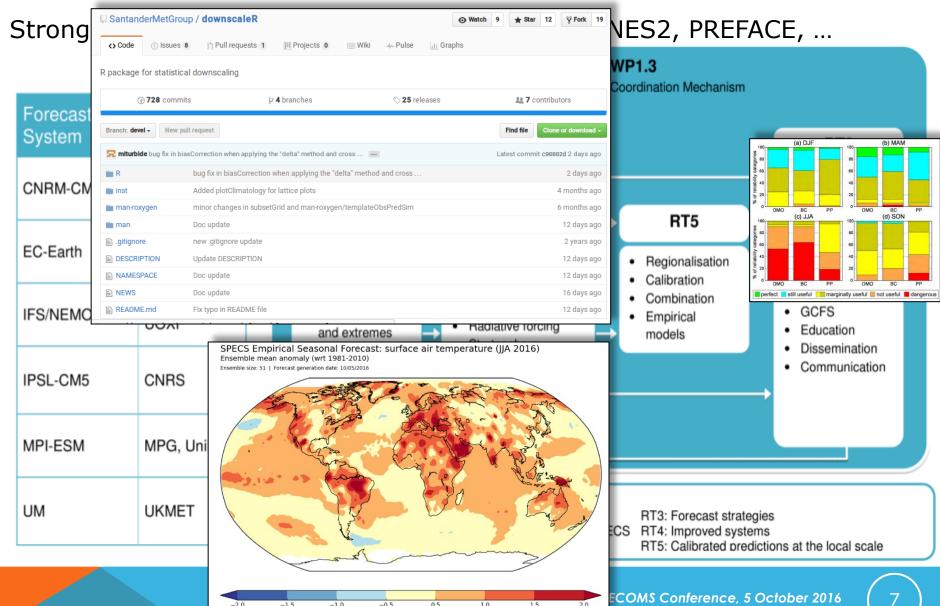






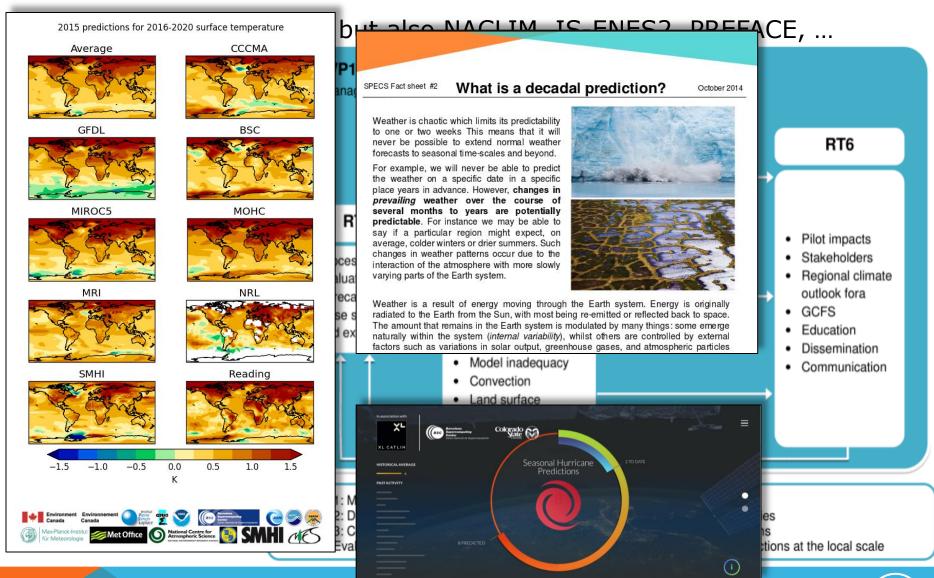








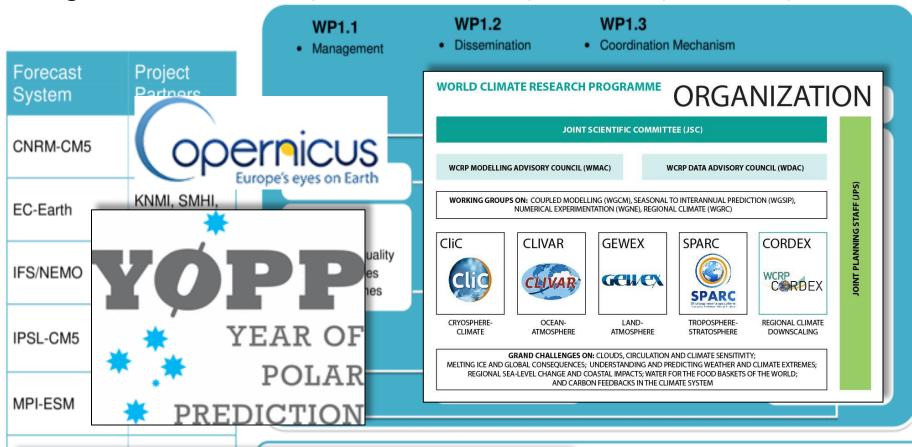








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GFCS GLOBAL FRAMEWORK FOR CLIMATE SERVICES

RT3: Forecast strategies & SPECS RT4: Improved systems

RT5: Calibrated predictions at the local scale

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