



# Belmont Forum



## E-INFRASTRUCTURES & DATA MANAGEMENT

Collaborative Research Action

ClimatEurope

Pierre-Antoine Bretonnière (BSC)

Scoping Workshop

November 28-29, 2016

ANR, Paris



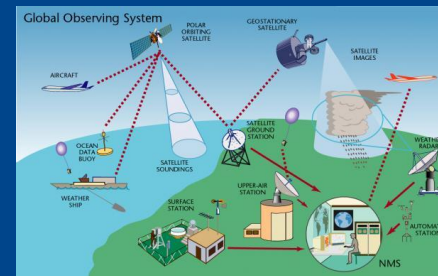
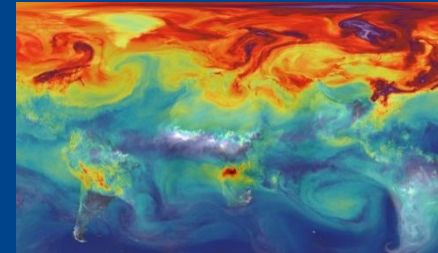
# PROJECT DESCRIPTION



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Center  
Centro Nacional  
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Climateurope (<http://www.climateurope.eu/>) is:

- The continuation of the European Climate Observations and Modelling for Services (ECOMS) project
- A 5 years Call for System Action counting 11 partners from different European research and operational centers
- The Europe-wide network for researchers, suppliers and users of climate information
- A place to share best practices, gaps and recommendations and discover the state of the art about **climate observations, modelling infrastructures and services**
- An opportunity to actively interact with users and suppliers of climate information



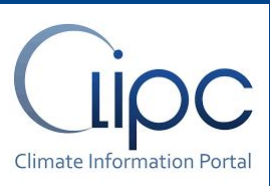
# E-INFRASTRUCTURE & DATA MANAGEMENT



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World Meteorological  
Organisation



- Climateurope is a knowledge portal offering state-of-the-art descriptions for:
  - Earth system modelling outputs
  - Earth observations
  - Climate services productsfor both data and metadata, building upon existing glossaries, contact points and organizations.
- The knowledge is collected through various resources, like the organisation of “climate festivals” with lectures, discussions, networking and performances to explore the state-of-the-art of climate information, and its uses and value in decision-making at both the European and national levels.
- Some examples of databases “encapsulated” by Climateurope are:
  - European Climate Assessment & Dataset (ECA&D), Climate Explorer, Datasets Climatic Research Unit, WMO, ... (Climate Observations)
  - ENES, CMIP6, Climat4impact, CLIPC, ESGF (Earth System Modeling)



# E-INFRASTRUCTURE AND DATA MANAGEMENT ISSUES



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- Climateurope considers many different and heterogeneous data types and levels of expertise:
  - Model and observation data (scientific users)
  - Websites, portals and other sources with meta-information (general public, stakeholders)
  - Post-processed information, reports and services (stakeholders)"
- Open access is an issue especially for the use of both weather observations and climate forecasts, although the advent of the Copernicus programme might solve some of these difficulties



# EXPECTATIONS FROM E-I&DM CALL



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- Raise awareness and interest for data issues at large (not just numerical values, but also metadata, provenance, meta-information, etc)
- Establish both general purpose/cross communities and community specific data management policies to improve awareness and foster communication.
- ClimatEurope can help creating bridges between data providers, e-infrastructures managers and “real users” (from climate services)

