Climate Information Platform for Copernicus

Climate Information Platform for Copernicus CLIPC

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This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 607418

Mission

- CLIPC will provide access to climate information of direct relevance to a wide variety of users, from scientists to policy makers and private sector decision makers;
- The “one-stop-shop” platform will provide data and information on climate and climate impacts, and ensure that the providence of science and policy relevant data products is thoroughly documented;
- Engage with user communities to inform development.

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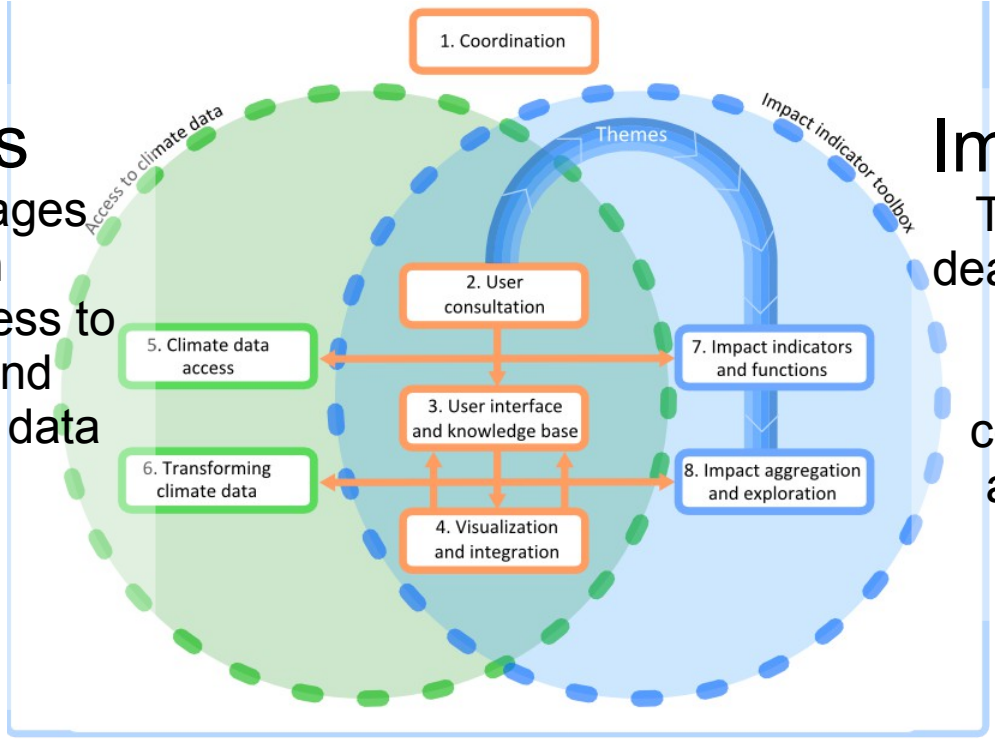
Data access

Two work packages dealing with harmonising access to climate data and harmonising the data itself.



Impacts toolkit

Two work packages deal with the creation of climate impact indicators and the comparison, ranking and aggregation of these indicators.

Requirements and Integration

Three work packages cutting across data access and impacts toolkit issues: User Requirements, User Interface and Knowledge Base, and Visualisation and Integration.

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Cross-cutting working groups

Data Quality Examining the treatment and presentation of information on data quality and uncertainty.

Impact themes Looking at the treatment of climate impact indicators in three sectoral areas.

Linking to climateAdapt

Ensuring that the project delivers service technologies which dovetail with climateAdapt

Architecture Team

Creating a consistent architectural approach in all parts of the infrastructure.

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Objectives

- Harmonised access to climate data from simulations, observations and re-analysis;
- Thorough treatment of bias and other data quality issues to facilitate use of climate data;
- Framework for consistent treatment of uncertainty;
- Procedure for cataloguing, maintaining and updating climate impact indicators;
- Methodologies and tools for comparing, ranking and aggregating impact indicators.

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Highlights

User requirements

The user requirements WP has produced a valuable review of user needs and approaches to the process of user engagements across 55 research projects

Preliminary Impact Indicator Catalogue

A procedure for gathering appropriate information about impact indicators has been developed and used to assemble a preliminary catalogue.

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Highlights (cont.)

Harmonising climate data

An inter-project initiative to compare “bias correction” methods and reference datasets was launched in spring 2014. A protocol for the work has been agreed and key datasets shared.

Harmonising access to climate data

To facilitate smooth integration of existing archives CLIPC will harmonise access to two archives: the Earth System Grid Federation Archive (ESGF) distributing critical climate projection data and the European Centre for Medium-range Weather Forecasting (ECMWF) MARS system, widely used for re-analysis data.

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THANK YOU!