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Climate Information Portal

CLIPC Interim Review, first reporting period

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Table of Contents

1 Introduction

This document summarises the priorities of the project and each work package in the coming months (from October 2014), with emphasis on preparations for the user requirements workshop in February 2015.

2 Work Package Reports

2.1 WP1 Consortium Management

No immediate tasks relevant to the user requirements workshop.

Preparation for first General Assembly

Finalise dates; choose meeting site, open registration and provide information for attendees.

Clarify financial reporting requirements and discuss with representatives of all projects.

Ensure that all partners are aware of reporting requirements; review figures for interim spend.

2.2 WP2 User consultation

Online survey to capture user requirements

Special efforts will be made to increase the number of climate scientists participating in the CLIPC online survey. In addition, the results of the survey will be analysed and documented in deliverable 2.2 (M12).

Conducting qualitative interviews

About 20 qualitative interviews will be conducted with respondents representing the user categories climate scientists, impact researchers and intermediary organisations. The aim of these interviews is to deepen our understanding about users' perceptions on weaknesses, strengths in current climate data sources and what they see as challenges for the CLIPC portal. The results will be incorporated in deliverable 2.2 (M12).

Planning and implementing the user requirement workshop (3 February, 2015)

In addition to the logistics, internal discussions with WP leaders will be organised to ensure that for several CLIPC portal components, participants can test and discuss different alternatives at the workshop. [1]

2.3 WP3 User interface and knowledge base

- Launch CLIPC central portal (done – mid October), and more important: finalise website texts for all menu options.
- Present the first results of the storyline on the website. The storyline provides a good example of what the CLIPC portal will provide for several climate impact indicator scenarios. This example will be pre-fabricated but based on real data, real processing and in a real scenario.
- Create mock-ups (design) of the CLIPC portal components for:
  - Data discovery via search interface
  - Knowledge base (at least part of the implementation/integration)
  - Vocabulary service integration (in discovery)
- Outcome of AT work and part of conceptual design portal.

2.4 WP4 Visualisation and integration

Demonstration for the User Requirements workshop

- Processing of Tier 1 (T1)[2] indices (KNMI)
- Gather data for T2 processing (PIK)
- Get T2 processing software running (PIK)
- Process the T2 indices (PIK/KNMI)
- Get the data for T3 processing (PIK)
- Get the T3 processing running (PIK/KNMI)
- Create the visualization of the T2/T3 indices (Alterrra)
- Write the user documentation (PIK/Alterra/KNMI)
- Integrate the visualisation into the CLIPC website (KNMI/MARIS)

Deliverable 4.1 and the Portal Architecture document

Two key documents need to be completed: D4.1 will describe the links to WP8, and the architecture document will lay out the overall strategy for the portal and data service design.

Climate Portal workshop

Complete preparations for joint CLIPC/IS-ENES2 workshop to be held at KNMI in November.[3]

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1 User requirements meeting: http://www.clipc.eu/the-project/project-meetings/user-requirements-and-preparatory-survey--help-shape-the-meeting

2 "Tier 1" indices are climatological statistics depending only on properties of the physical climate; "Tier 2" indices involve properties of the physical environment; "Tier 3" involves societal impact, including health and economic impact. For more details see the project outline: http://www.clipc.eu/media/clipc/org/documents/other/clipc_outline_v3.pdf

3 Portals meeting information: http://www.clipc.eu/the-project/project-meetings/knmi-portals-workshop-nov-2014

2.5 WP5 Harmonized Data Access

- Initial controlled vocabularies in server to support demonstration.
- Detailed examples of the search terms that will be available in the portal and what those choices will mean scientifically.
- Details of key datasets and data categories.
- Complete D5.1 (Climate dataset inventory).

2.6 WP6 Transforming climate data

- Finalise Milestone 25 (First bias-corrected climate model data at 3 resolutions for present/future periods) and prepare a suitable set of illustrations for the User Workshop in February.
- Continue the internal dialogue on how best to integrate remotely sensed data with climate projections and re-analyses (e.g. combination into CCII Tier-1 and -2, and ways to explore uncertainty).

2.7 WP7- Impact indicators and functions

In the next months WP7 will have finalized the indicator documentation, part of D7.1. Based on the documentation a selection of climate change and impact indicators will have to be decided upon. Before the February workshop the final list of indicators to be provided as well as non-climatic data required will be gathered. In the February workshop WP7 will present the first tentative integration of data from a Tier 1, 2 and 3 indicator. The chosen theme was the heat stress on the population, but optimally also indicators on flood risk will be presented. The required action in the next months is therefore to prepare the indicator calculations for the February workshop presentation. Additionally, WP7 will start drafting the framework on how to derive new impact indicators, part of D7.2. A draft of the framework should be ready right after the workshop.

2.8 WP8 Impact aggregation and exploration

Conduct indicator compatibility assessment

Based on the collection of impact indicators (to be completed by WP7 in October/November 2014) all indicators will be reviewed and analysed as to what degree they are compatible with each other in terms of underlying concepts and methodologies. This is an import step for later developing the tools for comparison and aggregation of impact indicators.

Prepare an outline of the WP8 tools

Until mid-2015 the methodologies for the WP8 tools on scenario-based indicator exploration, comparison, ranking and aggregation of indicators as well as uncertainty assessment need to be developed. As a first step a document is under preparation that will specify the need, objectives and key features of each tool. These issues will then be discussed regarding their potential to be part of the User Requirement Workshop to be conducted by WP2 in February 2015. In the months following the workshop the tools will then be fully specified and the detailed methodologies developed.

2.9 WP9 Scientific and technical coordination

Copernicus Climate Change Service (C3S)

There is a strong expectation that the delegation agreement appointing the operator of the Copernicus Climate Change Service (C3S) will be concluded in 2014, and that the operator will be ECMWF. CLIPC must engage fully with the C3S operator, and other stakeholders, to ensure that they know about developments relevant to the service and that we know about existing and emerging decisions.

What will be in the CLIPC portal?

Clarify what is meant by being "in" the portal, and provide a high level overview of what is expected with an explicit time line, both within the research phase and the transition to the operational phase. Clarify the changes in service levels expected etc.

Action: prepare a discussion paper and circulate it within CLIPC. Prepare document and presentation (subject to discussions of agenda) for the user requirements meeting.

The knowledge base

Objective: to develop a clear view of the objectives and scope of the knowledge base, the categories of information which will be managed and the classes of services which will be provided to users.

Finalise the discussion paper on the knowledge base. Prepare an overview for proposals and options for users.

Intellectual Property

Circulate draft intellectual property paper. Circulate among stakeholders (especially key data providers and data service providers).

2.10 WP10 Dissemination

Launch wikipedia page, detailing the project and its objectives and providing a link to the project website for further information.

Provide a clearer mechanism for managing information about meetings, including planning of CLIPC attendance.

Submit session proposals for the "Our Common Future Under Climate Change" international conference being held in Paris, July 2015 in preparation for the UNFCCC Conference of Parties in December 2015.

2.11 WP11 Overarching coordination

Complete joint web page.

3 Highlights and Outlook

2015 will be a critical year for the project. Success will depend on strong engagement with 3 major communities: the providers of data through operational and near operational procedures; the providers of information through research activities critical for the understanding of climate science; and, of course, the users of the portal. A user requirements workshop will address these issues in February 2015, building on a survey of FP7 user requirements studies, completed earlier this year, and telephone interviews with users which are in progress as of the date of this report.