



Helping Europe respond to the impact of climate change

WP4: Visualisation and integration

Work Package highlights



WP4 Visualisation and integration

Partners: STFC, Alterra, **KNMI**, PIK, TUDO, CMCC, JRC .

The goal of WP4 is to develop

suitable means for visualizing impact indicators

to

enable easy comparison and ranking of those indicators

to the stakeholders to establish an overall user friendly 'lay out' for mapping and presentation of impact indicators and indices, using generic and uniform cartographic principle

WP4 Highlights

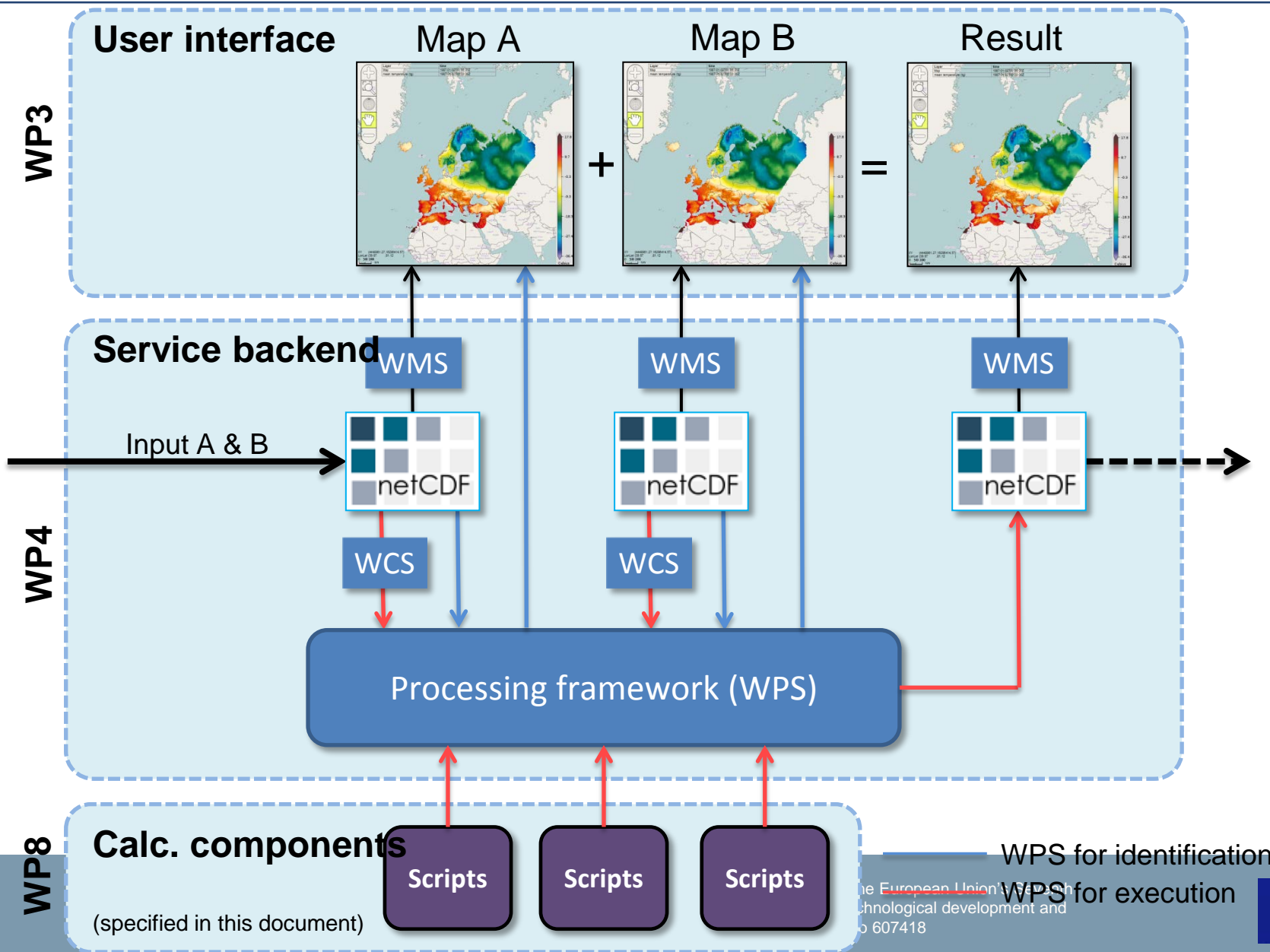
Task T4.1 – Development and deployment of generic visualization components

- MS10: Knowledge base design delivered
- MS13: Visualization Framework delivered
- MS14: Story line visualization prototype delivered:
The T1 indices (summer days, tropical nights) can be interactively calculated and visualized.
This was demonstrated at the Schiphol user workshop (February 2015).
- A pre-processed dataset based on CORDEX data is made available.
- Visualization (WMS) service integration tested: CLIPC calls WMS layers from climate4impact WMS server and visualizes in Open Layers on the CLIPC portal; first implementation is available
- Started with D4.2 Effective visualization: focus on user experience (fit for purpose visualization), prepare user testing:
- → Discussion in Visualisation parallel session

WP4 Highlights

Task T4.2 – Toolkit integration and indicator processing

- Integration of services with CLIPC portal (architecture).
 - Existing Climate4impact.eu services are used and expanded
 - Integration based on OGC services (WMS, WCS, WPS) for enabling distributed service architecture.
 - OpenID and OAUTH2 used for integrated access to services; this has been implemented and tested between climate4impact and CLIPC portal.
 - WPS will be used for integration of calculation services: one day WPS coding sprint between KNMI (WP4) and Maris (WP3) to enable fast integration
 - Joint release planning for WP4 and WP3
- D4.1 Toolbox interface specification document updated. The document is updated using the D7.1 review of climate impact indicators, D8.1 Impact models and aggregations and MS34 Outline WP8 tools.



WP4 Highlights

Task 4.3 – Impact indicator toolkit

- The work on task 4.3 started early 2015 (MS41)
- Integration with CLIMATE-ADAPT portal: discussed with JRC in the Ispra meeting in May and at Copenhagen. Agreed INSPIRE compliant services will provide a baseline for integration.
 - To integrate existing JRC indicators in CLIPC an CLIPC account will be created on the CSW service for harvesting specific JRC indicator metadata. The metadata contains pointers to the services around the indicators (WMS, WCS). The (point) data behind the services will not be made available. This was informally agreed on during the JRC meeting in Ispra and needs to be formalized in MS41.
 - To integrate CLIPC indicators we follow the same approach as sketched above: use INSPIRE compliant services. A JRC account will be created on CLIPC CSW for harvesting specific indicator metadata.
- For integration of visualization components and toolkit services a different approach needs to be taken. This is part of the priorities for the next months.



THANK YOU!