

## WP4 Facilitating downstream services

- T4.1 – Establishing data services (ECMWF, KNMI)

MARS archiving of reanalysis data in common format at ECMWF is ongoing.

First focus on EURO4M 2008/9 for use in WP3, then subset of UERRA data (D4.1, Month 48)

WIKI inventory prepared for all datasets to be archived at ECMWF

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- T4.1 – Establishing data services (ECMWF, KNMI)

Telecon held with CLIPC last week

INSPIRE compliant data dissemination plan (D4.2, Month 12) is delayed until April 2015; will link to CLIPC data architecture plan

MARS connection to ESGF is being established within CLIPC; ESGF nodes set up at STFC, KNMI, NSC/SMHI, etc.

UERRA promised to make at least one dataset available through ESGF (D4.4, Month 36)

UERRA/CLIPC approach is ready for future C3S climate data store

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- T4.1 – Establishing data services (ECMWF, KNMI)

Data portal prototype is ready (D4.3, Month 12) using ECMWF Web API framework

Data visualisation prototype (<http://euro4mvis.knmi.nl/>) developed in EURO4M has been extended (D4.3)

Demonstrated that ECMWF-MARS data at their WMS server can be added seamlessly



## EUROPEAN REANALYSIS AND OBSERVATIONS FOR MONITORING

Tracking changes in European climate

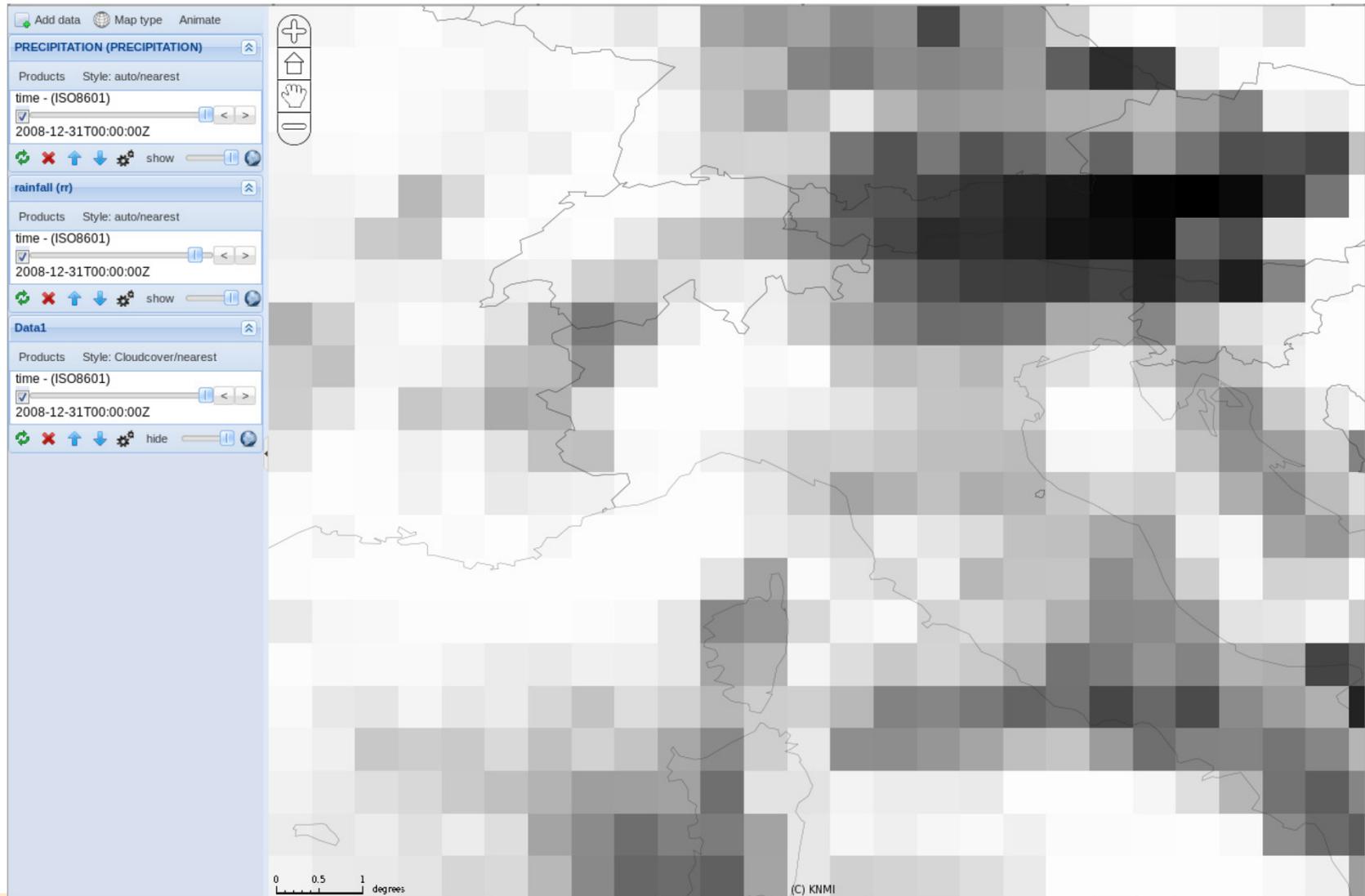
### Storage and visualization

#### File: /Demo/

- [../](#)
- [01 EURO4M-APGD/](#)
- [02 ECAD/](#)
- [05 E-OBS/](#)
- [06 CRU-UEA/](#)
- [08 HOAPS-GPCC/](#)
- [09 SIS/](#)
- [10 ATOVS/](#)
- [13 4D-VAR-Metoffice/](#)
- [14 3D-VAR-SMHI/](#)

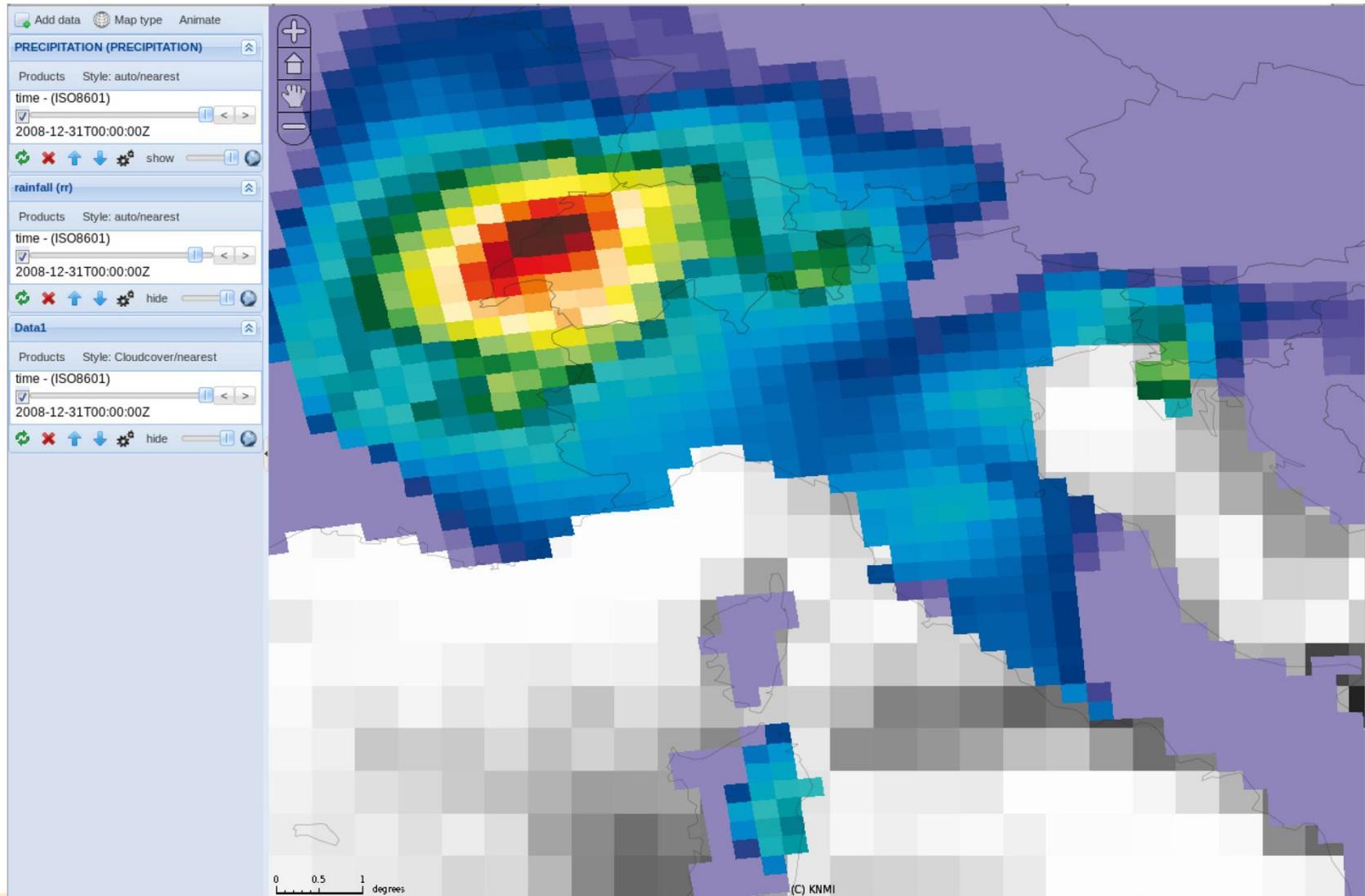


# Precipitation



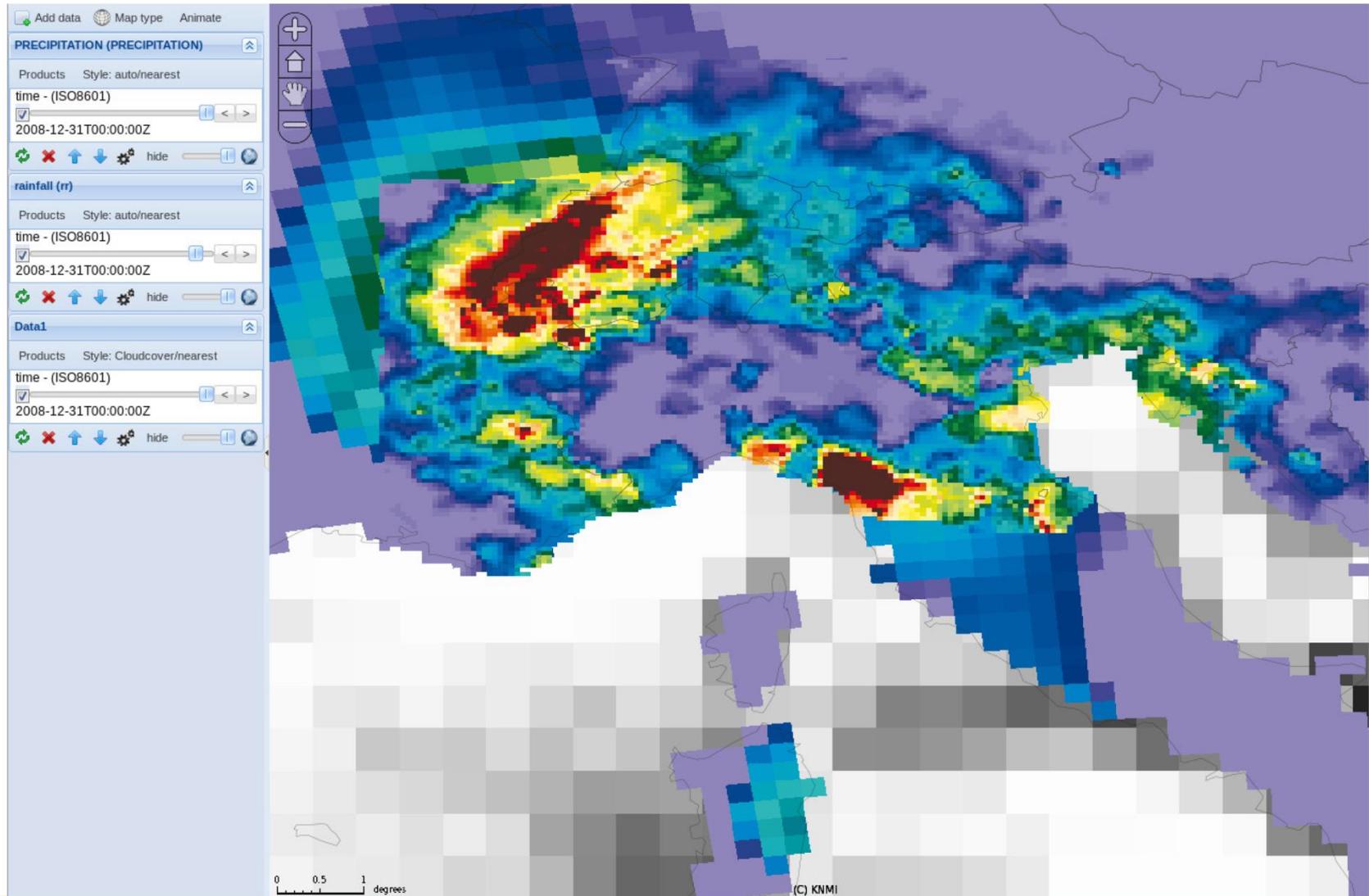


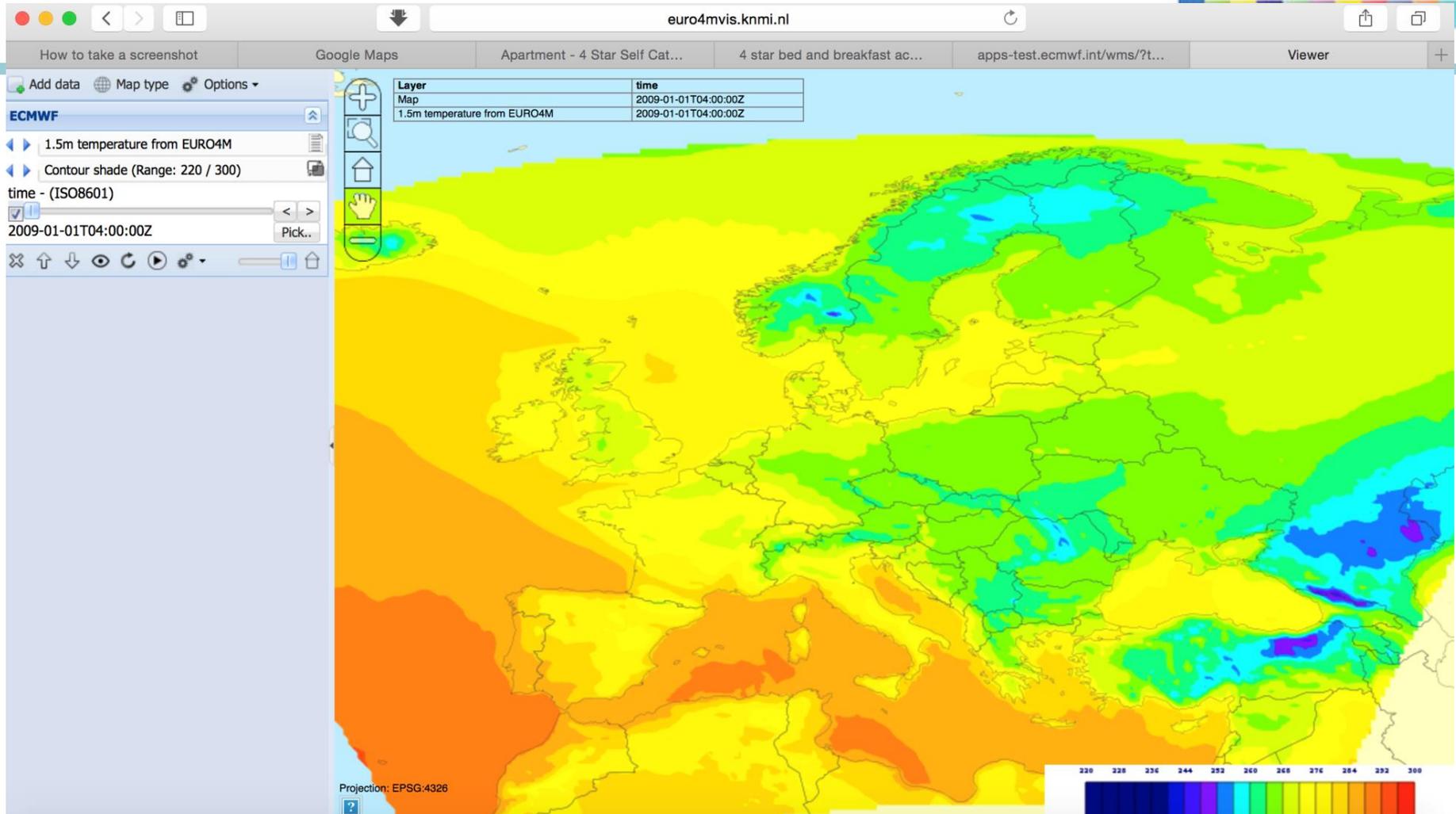
# Precipitation





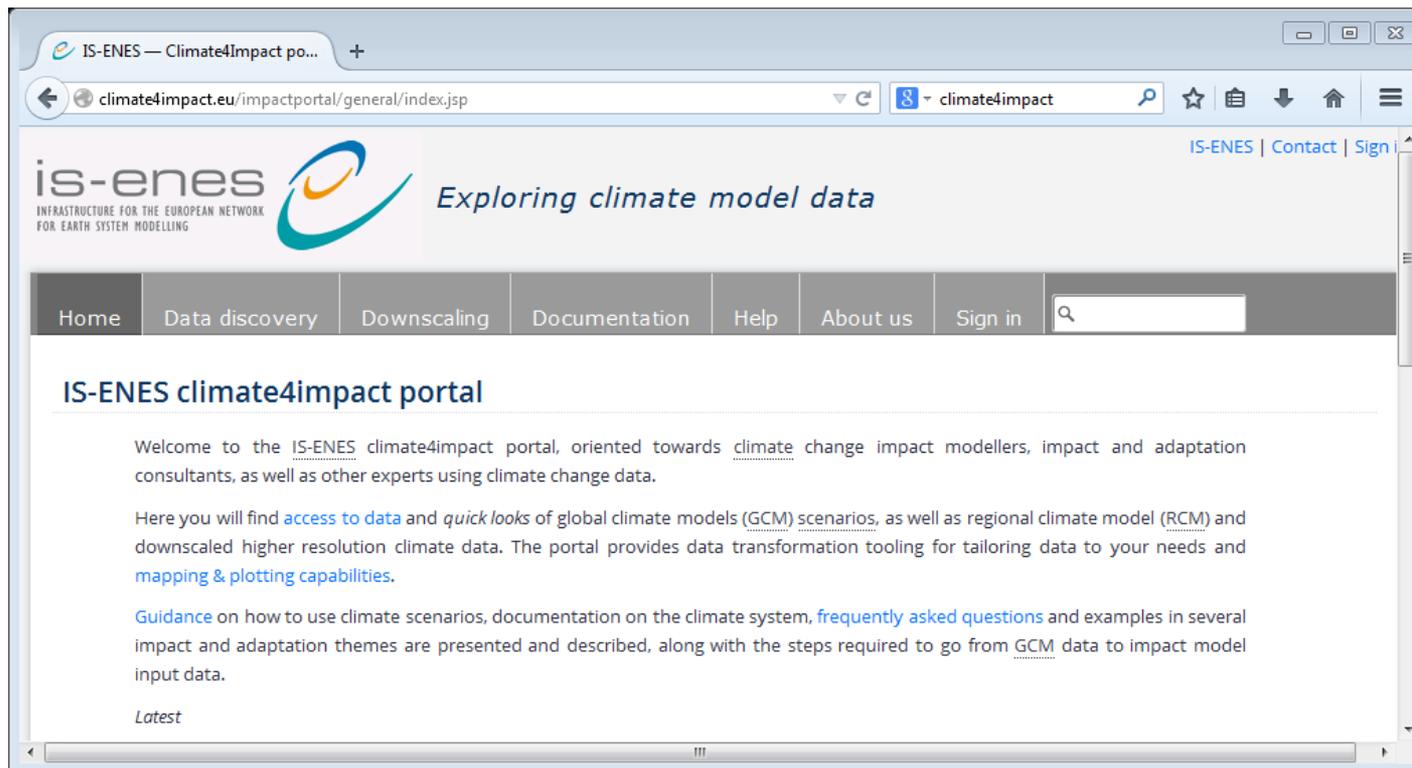
# Precipitation





# WP4 Facilitating downstream services

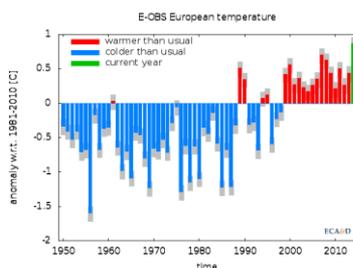
Same data visualisation tool is also used in IS-ENES2 and CLIPC



The screenshot shows a web browser window displaying the IS-ENES climate4impact portal. The browser's address bar shows the URL `climate4impact.eu/impactportal/general/index.jsp`. The page header includes the IS-ENES logo and the tagline "Exploring climate model data". A navigation menu contains links for Home, Data discovery, Downscaling, Documentation, Help, About us, and Sign in, along with a search box. The main content area features a heading "IS-ENES climate4impact portal" and a welcome message: "Welcome to the IS-ENES climate4impact portal, oriented towards climate change impact modellers, impact and adaptation consultants, as well as other experts using climate change data." Below this, there are three paragraphs of text: "Here you will find access to data and quick looks of global climate models (GCM) scenarios, as well as regional climate model (RCM) and downscaled higher resolution climate data. The portal provides data transformation tooling for tailoring data to your needs and mapping & plotting capabilities." "Guidance on how to use climate scenarios, documentation on the climate system, frequently asked questions and examples in several impact and adaptation themes are presented and described, along with the steps required to go from GCM data to impact model input data." and "Latest".

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- T4.2 – User-oriented products (KNMI, SMHI, MF)



Climate indicator bulletin (updated 19 Jan 2015)

[http://cib.knmi.nl/mediawiki/index.php/2014\\_warmest\\_year\\_on\\_record\\_in\\_Europe](http://cib.knmi.nl/mediawiki/index.php/2014_warmest_year_on_record_in_Europe)

Indices calculated for gridded data; first tests with E-OBS (together with EUPORIAS project); reanalysis data will follow (D4.5, Month 48)

Hydrological downstream modelling using 20YR EURO4M data (D4.6)