

Project management summary report

Concerns expressed in the Evaluation Summary Report

The selection of data rescue priority areas needs to be better justified and integrated with international data rescue effort

- Close involvement with ACRE in WP3; priorities now clearly defined (D3.2)
- Development of a global data rescue registry, to be maintained in C3S

Additional information should be provided on how data products will be made more end-users friendly

- NetCDF support in MARS
- Better tools for data selection, regridding, downloading via web or from scripts
- Interactive visualisation based on ecCharts, WebApps/WebAPI infrastructure
- Various other developments started in ERA-CLIM (Observation Feedback Archive)

The organisation of an open technical workshop at M12 on key issues such as coupled climate and ensemble data assimilation techniques or quantification of uncertainties of reanalyses products should be considered

- ERA-CLIM2 coupled data assimilation workshop to be integrated in the 5th WCRP International Conference on Reanalysis

Risks indicated in the Description of Work

1. Reanalysis productions

- Delay of schedules due to HPC issues at ECMWF
- Will minimise impact on other project activities

2. Input data provision

No problems encountered

3. Data policies

No problems encountered

Service developments

Good progress in WP5:

- NetCDF support in MARS (D5.1)
- Major investments in data services infrastructure and tools at ECMWF (D5.2, D5.3)

Downloads of reanalysis datasets - October 2014

Dataset	Fields	Requests	Volume
ERA-15	142,702	2,524	770 MB
ERA-40	14,273,735	71,313	167 GB
ERA-Interim	389,243,904	1,152,642	50 TB
ERA-20C	255,887,608	163,762	15 TB

Milestones and deliverables

	Deliverables	Month due	Status
D6.8	Dissemination plan	4	Incomplete
D3.1	Report on in-situ data rescue catalogue	6	Complete
D3.2	Report on priorities for data rescue	6	Complete
MS1	Data rescue priorities defined	6	Reached
D9.2	Publication of a common website for C3S precursor projects	6	Complete
D1.5	Status report WP1	8	Complete
D2.12	Status report WP2	8	Complete
MS2	Start of CERA-20C production	9	Delayed
D6.1	ERA-CLIM2 public website	10	Complete

Links to other projects

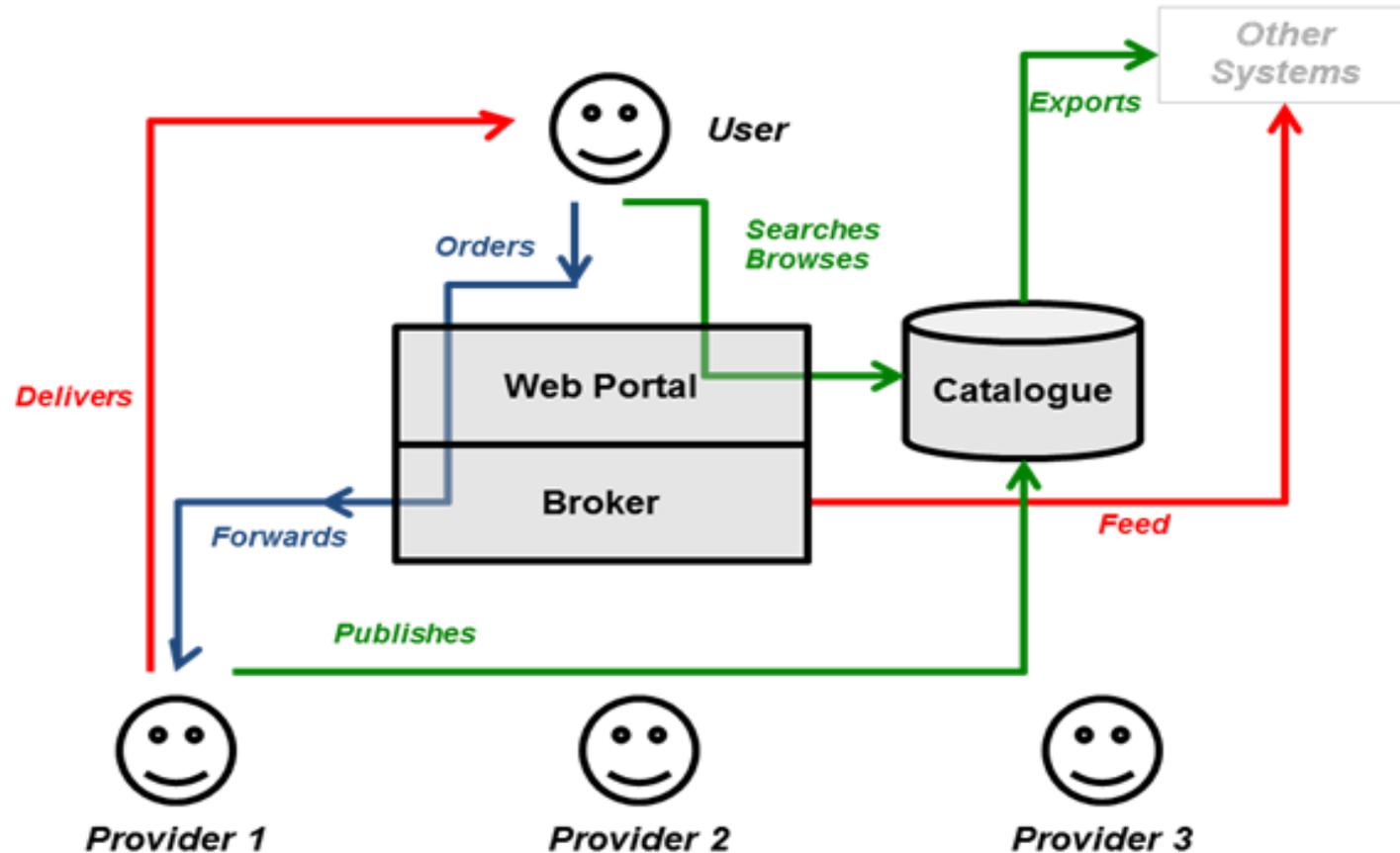
Involvement in key projects on production of climate data sets and services development:

- 2103 FP7-Space projects: UERRA, CLIPC, QC4ECV, EUCLEIA
- Core-CLIMAX, CHARMe, EURO4M
- ESA CCI: SST, CMUG

Involvement in other projects/initiatives on development of climate observations:

- ACRE, CEOS, WMO/JCOMM, WMO/GSICS, ...

Links with C3C: *Climate Data Store*



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Many relevant activities:

- Production of coupled atmosphere-ocean reanalyses, and reanalyses of the global carbon cycle
- Development of global historic data collections with in-situ observations for atmosphere, land and ocean
- Development of a global registry for data rescue activities
- Reprocessing of satellite-based FCDRs
- Data services development for reanalysis data, observations and quality feedback

Outreach and dissemination

Observations: via producers (CHUAN, HadISST2, HadIOD, HadISD, EUMST FCDRs) and via international repositories (ISPD, ICOADS)

Observations used in reanalysis, plus quality feedback: Observation Feedback Archive, and via international data centres (NCAR)

Global reanalyses: via ECMWF data services; and via international data centres (NCAR, NASA)

Publications: on datasets (ESSD, Geoscience Data Journal, ...); on methods and activities (BAMS, QJRMS, ...)

Conferences: Big science (WWOSC, Climate Symposium, EGU, ...); technical (ACRE, CLIMAR, WMO DA, ...)

ERA-CLIM2 workshops:

Observations for Earth System Reanalysis (with RMS and WCRP)

Data Assimilation in Coupled Models (with WCRP)

Project website: www.era-clim2.eu (deliverables, meeting reports, data)

Outreach?

World leader in global medium-range numerical weather prediction



ERA-CLIM2 GENERAL ASSEMBLY – Interview with Jörg Schulz

Interview with Jörg Schulz

Dr Jörg Schulz, Climate Service Product Manager at EUMETSAT, talks about developing satellite-based climate data records.

Numerical weather forecasts

Severe weather prediction

Air quality

Climate monitoring

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