



Seventh Framework Programme

Theme 6 [SPACE]



Project: 607193 UERRA

Full project title:

Uncertainties in Ensembles of Regional Re-Analyses

Deliverable D 7.8

UERRA Show Case Event

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Background

A Showcase Workshop was held after the Fourth UERRA General Assembly (GA) at ECMWF in Reading (UK) 23-24 November 2016. It expanded from the GA with a lot of more applied results or further discussions of the needs and use of UERRA products. Several tools were displayed like Metview and WepAPI with which users can easily use the tools and data at home. The practical sessions were held in the early evening in a relaxed atmosphere with some refreshments and informal discussions and questions on a one-one basis most of the time. The Workshop followed the planned programme below. There were about 30 participants, most from UERRA but a few external participants but with meteorological background from out institutes and ECMWF including Copernicus Dept. It was hard to get many more participants for this occasion mainly due to many other meetings taking place at the same time.

Programme for the UERRA Showcase Workshop ECMWF, Reading, 23-24 November 2016

(2016-11-17)

Introduction

As part of Workpackage 7 (Dissemination and Outreach) of UERRA an Event, a Showcase event is organised towards the end of the project to demonstrate the products from the Project. It will be the first time that some reasonable amounts and time period of the Reanalyses can be shown. There may also be observation records or observation gridding products shown at the Workshop.

The Regional Reanalyses over the Europe-Atlantic region are produced by 4 Meteorological Institutes/University at about 11-12 km resolution and with ensembles as well. The time period will extend up to over 50 years for some but less for others incl. ensembles. Now is the time to demonstrate the freshly archived products for the first time!

2. Workshop goals

Goals of the Showcase Workshop

For users:

Finding out about what reanalysis data are available

Learning how to access the data

Discussing likely qualities and possible deficiencies of (regional) re-analyses data

Discussing how to assess fitness for a specific purpose

Tips&Tricks&Tools for using re-analysis data

Sharing experiences and views with other users

For providers:

Stimulating (proper) use of the data

Finding out more about user requirements of the data

Finding out if the data are described well
Understanding and finding gaps or missing tools that should be provided
Preparing products corresponding to user needs

Users:

- UERRA list of users from earlier workshops (also below)
- UERRA partners (many of us anyway)
- University users
- Utilities and other commercial organisation
- Authorities
- ECMWF interested parties
- Partners customers or contacts

Showcase Workshop at ECMWF, Reading. Programme:

Wednesday 23 November: meeting starts at 14.00

13:45-14:00 Registration

14:00 Welcome and practical announcements (Manuel Fuentes, Per Undén)

14:10 Introduction to UERRA / Regional re-analysis Common archive (Per Undén)

14:25 Products from UERRA (Per)

14:40 HARMONIE RA years done , archiving, retrieval, products and examples (Esbjörn Olsson)

15:00 Archives and Data services Web map services (MARS at ECMWF))

Overview of data contents, how to show the content (Richard Mladek)

Wiki and documentation and what will be in the UERRA archives

15:25 Visualization software tools

Visualisation and data manipulation tools at ECMWF, Metview (Iain Russell)

15:45-16:05 Coffee break

16:05 Visualisation and processing services for Climate Data (Richard Cornes)

E-OBS data

16:35 E-OBS climate dataset (1950-present day) (Phil Jones)

17:05 C3S and ECMWF reanalysis programme (Adrian Simmons)

17:35-18:00 Discussion and showcase demonstration in the Classroom

How to access the data - Demonstration (Richard Mladek)

Metview visualisation, scripts and macros - Demonstration (Iain Russell)

Visualisation of climate data - Demonstration (Richard Cornes)

WebAPI, reanalyses, efficient retrievals - Demonstration (Makis Manousakis)

18:00 Ice breaker and canapés

Thursday 24 November

09:00-10:00

Examples from the MESCAN ensemble (Eric Bazile/Rachid Abida)

COSMO HerZ UBO RA years done and peculiarities with nudging continuous RA and some results (Frank Kaspar on behalf of Lilo Bach)

Met Office UM RA ensemble technique, products and some results (Peter Jerney)

10:10 UERRA data rescue efforts to enhance availability of quality controlled and approved synoptic observations to support regional reanalysis in Europe. (Manola Brunet)

10:30 Coffee

10:55 Evaluation software tools (Michael Borsche)

11:10 A real-life use case (Frank Kaspar)

11:30 Discussion of fitness for purpose and uncertainty assessment (intro Michael Borsche)

12:00 Discussion on user requirements (scientific, technical, support, etc) (chaired by Per Undén)

12:15 UERRA plans (Per Undén)

12:40 Closure