

# Combining European Climate Data Records and Regional Reanalysis



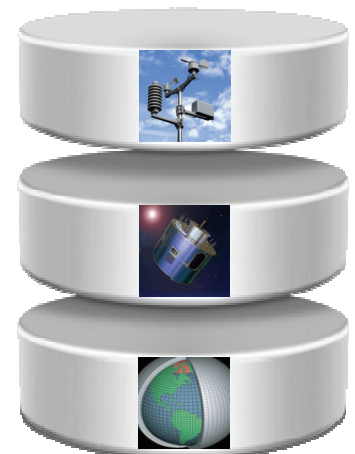
- European Reanalysis and Observations for Monitoring (EURO4M)
- EU-FP7 project, April 2010 – March 2014
- 9 project partners\*



- Goal: develop long-term climate datasets for Europe & publish assessments of change *describing climate variability and change at the European scale placing high-impact extreme events in a historical context*

- Deliverable 1: historical datasets of Essential Climate Variables (ECVs)

- ✓ in-situ observations (Had/CRU, GPCC, ECA&D see poster TH257A) *long-term records (50-100yr) but sparse*
- ✓ satellite Climate Data Records (Climate Monitoring-SAF) *spatially extensive but short (< 30yr)*
- ✓ regional reanalysis of past weather (new!) *complete but expensive (20yr@5km; 5yr@3km) and some bias*



- Deliverable 2: Climate Indicator Bulletins (CIBs)

- ✓ user-oriented data products
- ✓ blend of data from different sources (including uncertainty info)
- ✓ focus on trends and variability in impact relevant indicators
- ✓ fully web-based and near-real-time for emerging extreme events
- ✓ first bulletin on EU-temperature due in March 2012

- EURO4M forms an essential building block for a future

Internet: [www.euro4m.eu](http://www.euro4m.eu) email: [euro4m@knmi.nl](mailto:euro4m@knmi.nl)



Climate Service

\* project partners: KNMI (The Netherlands), Met Office (UK), URV (Spain), NMA (Romania), Meteo Swiss (Switzerland), DWD (Germany), SMHI (Sweden), UEA-CRU (UK), Météo France (France)



co-ordinator: Albert Klein Tank  
KNMI, De Bilt, The Netherlands



project officer: Stijn Vermoote  
Research Executive Agency, Brussels, Belgium