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 Climate Service

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