



EURO4M 12km Regional Reanalysis

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EURO4M is a current EU funded project which is developing accurate high resolution climate change and monitoring data for Europe. To achieve this, for the first time, a regional reanalysis for Europe is being produced. The reanalysis generates higher resolution datasets for Europe than was previously available from global reanalyses: 22km horizontal resolution for 1989-2009 run by SMHI and 12km for 2008-2009 by the Met Office. The quality of this state-of-the-art 12km regional reanalysis will be demonstrated by comparison with ECMWF's global ERA-Interim reanalysis, highlighting the benefits of the increased resolution. EURO4M is especially useful for investigating extreme weather events and its ability to accurately represent such events will also be demonstrated.