



European temperature presented as Climate Information Bulletin

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The European Reanalysis and Observations for Monitoring (EURO4M) project is a EU funded project that provides timely and reliable information about the state and evolution of the European climate. It combines observations from satellites, ground-based stations and results from comprehensive model-based regional reanalyses.

As part of EURO4M, Climate Indicator Bulletins (CIB) are generated. A Climate Indicator Bulletin is a user-driven climate information product which provides a simple, effective and timely knowledge abstraction from the large amount of raw observation and reanalyses data available in EURO4M. The bulletins focus on user groups in sectors such as disaster prevention, health, energy, water resources, ecosystems, forestry, agriculture, transport, tourism and biodiversity at European, national and local levels.

The bulletin presented gives an overview of European temperature based on a large number of measurements. The observations are presented in their historical context with special attention to trends and overviews of recent temperature.

The European averaged temperature shows that seven years in the top-10 of warmest years are from the period starting as recent as the year 2000 and a clear upward trend in annual averaged temperatures over the last few decades is visible. The most recent year in the top-10 of coldest years is 1987. It also shows that warming in Europe is accelerating compared to the warming over the global land masses and to a lesser extent compared to the Northern Hemisphere land masses over the period 1980-2010.