

ECA&D: The European Climate Assessment & Dataset project

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The ECA&D is a joint project of almost every country in Europe, and also countries in North Africa and the Middle East are collaborating. Since the start in 2000, KNMI has a coordinating role and serves as focal point for this ECSN/EUMETNET project.

The goals are:

- Develop, maintain and disclose a dataset for Europe and surroundings containing several observed weather elements. To support climate research on extremes the dataset has a daily resolution.
- Assess the European climate, e.g. monitoring trends and anomalies by analyzing “soft” extreme indices.

Both raw data as well as several derived products are available on the project website: <http://eca.knmi.nl/>. The last few years many efforts are made to improve and extend the website. It has proven to be a very useful exchange platform for the participants, and serves also the scientific community and the general public. In the beginning of 2007, the project outcomes will be published in a follow-up of the 2002 assessment ‘Climate of Europe, Assessment of observed daily temperature and precipitation extremes’ (1).

This presentation will briefly summarize the status of the ECA&D project, its goals and relation to other initiatives. The contents of the 2007 assessment report will be discussed in more detail.

1) Klein Tank, A., J. Wijngaard and A. van Engelen, 2002. Climate of Europe. Assessment of observed daily temperature and precipitation extremes. 36pp. KNMI, De Bilt, The Netherlands.