



Project no. GOCE-CT-2003-505539

Project acronym: ENSEMBLES

Project title: ENSEMBLE-based Predictions of Climate Changes and their Impacts

Instrument: Integrated Project

Thematic Priority: Global Change and Ecosystems

Deliverable D2B.15 Observed case-study data sets for scenario construction and assessment

Due date of deliverable: Month 28

Actual submission date: June 2007

Start date of project: 1 September 2004

Duration: 60 Months

Organisation name of lead contractor for this deliverable: University of East Anglia

Revision [1]

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	x
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

A questionnaire was circulated to RT2B partners and other ENSEMBLES RTs in early December 2006 seeking information about user needs and requirements for regional climate scenario data and tools. Part 3 of the questionnaire sought information about the availability of observed climate data:

Part 3: Availability of observed climate data

RT2B will be focusing on a number of different case-study areas. The following have been suggested: The Alps, the Mediterranean, the Balkans/Danube Basin, the Rhine basin, the Baltic region, Scandinavia, as well as Europe as a whole. We are also aware that some ENSEMBLES partners, particularly those working on seasonal-to-decadal timescales in RT6, are interested in non-European regions, in particular Western and Southern Africa and India.

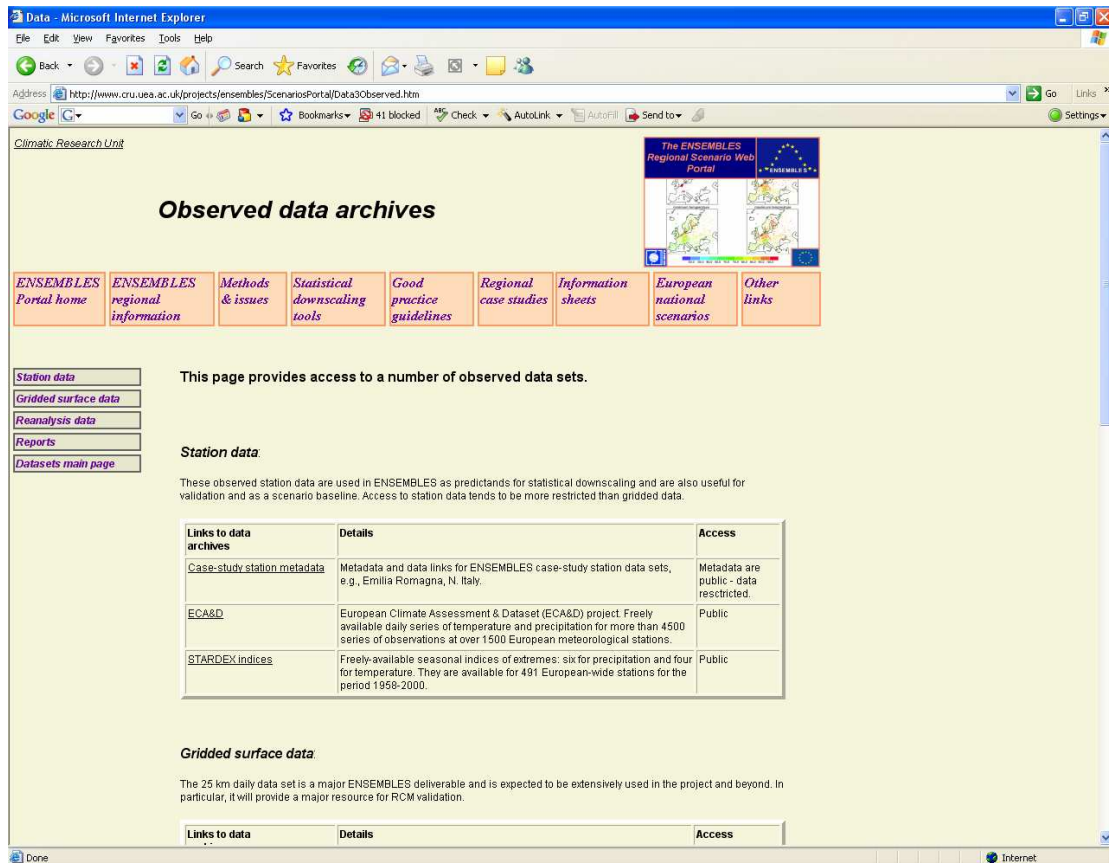
Observed climate data is important for calibrating and validating both climate and impacts applications models. The European 25 km gridded daily dataset being developed by RT5 will provide a valuable resource for this work. However, station data, or high-resolution gridded data, is required for some applications. Therefore RT2B is compiling a detailed catalogue of data (including metadata of quality etc.) for the ENSEMBLES regions of interest. This catalogue will be made available from the RT2B regional scenario web portal (to be launched by March/April 2007). Where possible, the data themselves will also be made available via the portal.

If you have access to any appropriate data sets that you are happy to be listed in the catalogue (but not necessarily the data themselves placed in the public domain), please could you complete the table below.

Observed data for ENSEMBLES regions of interest

Region covered by data set	
Number of stations or details of grid	
Variables	
Time period	
Has any data quality checking been carried out (e.g., checking for outliers)?	Yes/No/Don't know If Yes, please give details if possible.
Has any data homogeneity work been carried out (e.g., checking for breakpoints, comparison of neighbouring series)?	Yes/No/Don't know If Yes, please give details if possible.
Data restrictions	Are the data available for use: - by the respondent only - by ENSEMBLES partners only - unrestricted
Are the data available from a web site/data server?	If yes, please give details if possible
Publications describing the dataset	
Contact person for the data set	

Several reminders were sent out in 2007 and a total of 18 replies eventually received, primarily from people involved in RT2B and RT6. Seven RT2B partners completed Section 3. This metadata and, where available data links, are incorporated in the observed data section of the RT2B regional scenario web portal (<http://www.cru.uea.ac.uk/projects/ensembles/ScenariosPortal/>). This section also includes information about other observed data sets relevant for RT2B work, including the gridded daily data set being produced by RT5. The web portal was publicly-launched at the end of June 2007, and it is hoped that this will stimulate other groups to provide information about data availability for the case-study regions.



<http://www.cru.uea.ac.uk/projects/ensembles/ScenariosPortal/Data3Observed.htm>

Microsoft Internet Explorer window showing the URL: <http://www.cru.uea.ac.uk/projects/ensembles/ScenariosPortal/DataCase-studies.htm>

Case-study station data sets

Navigation menu:

- ENSEMBLES Portal home
- ENSEMBLES regional information
- Methods & issues
- Statistical downscaling tools
- Good practice guidelines
- Regional case studies
- Information sheets
- European national scenarios
- Other links

Left sidebar:

- Emilia Romagna
- Northern Italy
- Datasets main page

Main text:

This page provides information about availability of observed station data for some of the ENSEMBLES case-study regions.

Emilia Romagna :

Region covered by data set	Emilia-Romagna (Italy)
Number of stations or details of grid	158 precipitation stations 32 temperature stations
Variables	Daily cumulated precipitation / Surface minimum and maximum daily temperature
Time period	1951-2004
Data quality checking	Climatological, spatial and temporal checks. Detailed description given in the report: Quaderno Tecnico ARPA-SIM 15/2003
Homogeneity work	The Standard Normal Homogeneity test developed by Alexandersson has been applied to the associated monthly time series.
Data restrictions	For use by ENSEMBLES partners only. Data sets are available as pm files. The data sets are described in doc files.
Web site access	precipitation: doc ; pm temperature: doc ; pm
Publications describing data sets	R. Tomozèu, V. Pavan, C. Cacciamani, and M. Amici, 2006. Observed temperature changes in Emilia-Romagna: mean values and extremes. <i>Climate Research</i> , 31 , 217–225.
Contact person	V. Pavan

<http://www.cru.uea.ac.uk/projects/ensembles/ScenariosPortal/DataCase-studies.htm>