



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

D2A4.7 Stream 2 data centrally stored in distributed archive (CERA, PCMDI)

Due date of deliverable: September 2009, postponed to December 2009

Actual submission date: December 2009

Start date of project: 1 September 2004

Duration: 60 Months

MPIMET-MD

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)	

The ENSEMBLES Stream 2 data are stored in the WDCC archive. They are accessible from the CERA database.

In the following text an overview is given over the availability of data and information and access to data.

Availability of data

For ENSEMBLES a list of requested variables was compiled, which contains the information on the variables, their names and units and the temporal resolution for which they should be stored centrally. It can be seen at: <http://ensembles.wdc-climate.de/output-variables> .

On the basis of this list, the involved centres provided data for the following scenarios (the figures in the table are the numbers of the realisations):

Center	20C3M	SRA1B	E1
CNRM	1,2	1,2	1,2
MPI	1,2,3	1,2,3	1,2,3
DMI <i>CNRM/CM33</i>	1,2		1,2
DMI <i>ECHAM5C-MPI-OM</i>	1,2,3	1,2,3	1,2,3
FUB	1,2,3	3	2,3
INGV	1	1	1
IPSL	1,2,3,4,5,6,7	1,2,3	1,2,3
METO-HC <i>HadCM3C</i>	1	1,2	1
METO-HC <i>HadGEM2AO</i>	1	1,2,3	1,2

and the following temporal resolution:

Centre	Temporal resolution
CNRM	monthly, daily, 12-hourly, 6-hourly
MPI	monthly, daily, 12-hourly, 6-hourly
DMI <i>CNRRM/CM33</i>	monthly
DMI <i>ECHAM5C-MPI-OM</i>	monthly, daily, 12-hourly, 6-hourly
FUB	Daily
INGV	Monthly
IPSL	monthly, daily, 6-hourly
METO-HC <i>HadCM3C</i>	monthly, daily, 6-hourly
METO-HC <i>HadGEM2AO</i>	monthly, daily, 6-hourly

All datasets marked in CERA by 'complete' or 'in work' are available. Please, see the next issue for details on the variables and temporal resolutions.

Availability of information

Special information on the stored data sets is given on the website: <http://ensembles.wdc-climate.de> , which was established as deliverable D2A4.4 in March 2007 and kept up to date since then.

Structure of the website

On <http://ensembles.wdc-climate.de/output-variables>

Please, find the complete “ENSEMBLES output list for Global Circulation Model scenario runs” containing all variable names (netCDF-CF) as well as the output time intervals.

On <http://ensembles.wdc-climate.de/technical-details>

Find necessary information for model data providers but also a list of used acronyms for centres, models and scenarios.

On <http://ensembles.wdc-climate.de/experiment-list>

For each institute that provided data, a list of their experiments is given and for every experiment a list of variables (the complete ENSEMBLES list) and for each available variable of this specific model/experiment a link to the CERA meta-data is provided.

CERA

Information about data stored in the WDCC archive is available from CERA How to get there is described in the next issue. The meta-data include information about the project ENSEMBLES, about the experiments: design, temporal and spatial coverage, temporal and spatial resolution, contact persons, references and additionally about the datasets: topic, unit, aggregation, temporal and spatial structure.

Registration and data access

The web address of the CERA database is <http://cera.www.dkrz.de> .

From the “CERA user interface” and the link “browse experiments”, “select project”=ENSEMBLES all experiments are displayed filled for ENSEMBLES (by using the “CERA”-link on <http://ensembles.wdc-climate.de> this view will be the CERA-starting point). Via the buttons “experiment information” and “show related entries” all the meta-data information is accessible about the experiment and variables.

Surveying meta-data can be done without registration. However, registration is required for downloading data.

To register just send an email with your request to ensembles@dkrz.de

Download data from the CERA

There are two different ways to download data (whole datasets or parts of them):

1.

Interactively by graphical user interface. Get there as described above, then you will be guided by the download manager.

2.

By a command-line based program called jblob. It can be used also in a batch job. Information about the installation of jblob and usage is given on the jblob-homepage: <http://cera.www.dkrz.de/CERA/jblob> .

Further information

The URI <http://www.pik-potsdam.de/cera> provides further information about the CERA database.

If you need more information about the data of a special centre, you find contact persons and addresses; select the button 'Experiment information' on the URI described in the section 'CERA' above.

If you need additional information about the data storage or the download procedure, or if you want to report an error in one of the datasets, please send an email to ensembles@dkrz.de.