European Re-Analysis of global CLIMate observations

Fact Sheet

**Project information**

**ERA-CLIM**

Grant agreement ID: 265229  
Status: Closed project

Start date: 1 January 2011  
End date: 31 December 2013

Funded under: FP7-ENVIRONMENT  
Overall budget: € 4 898 712,68  
EU contribution: € 3 499 607  
Coordinated by: EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS  
United Kingdom

**Objective**

ERA-CLIM will develop observational datasets suitable for global climate studies, with a focus on the past 100 years. These datasets will include atmospheric, oceanic, and terrestrial observations from a variety of sources, high-resolution global reanalysis products of the observations, and associated data quality information needed for climate applications. The project will use existing climate data records and make a substantial contribution to filling known gaps in these records. Proposed data recovery efforts will focus on upper-air observations made in the first half of the 20th century, as well as near-surface observations of wind and humidity, in all regions of the globe.

A specific goal for the project is to improve the quality and consistency of climate observations through reanalysis. Together with other in-situ and remote-sensing datasets available from existing data archives, the observations collected for ERA-CLIM will be included in a newly developed Observation Feedback Archive. Quality feedback information for this archive, including data departures and bias estimates, will be generated during several new pilot reanalyses, as well as from existing reanalysis datasets. The pilot reanalyses and the Observation Feedback Archive will be made available to users world-wide as a unique resource for climate research and observational studies of the Earth system.
Field of Science
/social sciences/media and communications/library science/archives

Programme(s)

FP7-ENVIRONMENT - Specific Programme "Cooperation": Environment (including Climate Change)

Topic(s)

ENV.2010.4.1.2-1 - Building observational datasets for the predictability of global atmospheric, oceanic and terrestrial processes using reanalysis techniques

Call for proposal

FP7-ENV-2010

See other projects for this call

Funding Scheme

CP-FP - Small or medium-scale focused research project

Coordinator

EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS

Address
Shinfield Park
Rg2 9ax Reading
United Kingdom

Activity type
Research Organisations

EU Contribution
€ 996 500

Website
Contact the organisation

Administrative Contact
Stefan Eberle (Mr.)

Participants (8)
<table>
<thead>
<tr>
<th>Institution</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET OFFICE</td>
<td>€ 364 842</td>
<td>Fitzroy Road Ex1 3pb Exeter</td>
<td>Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)</td>
</tr>
<tr>
<td>UNIVERSITAT WIEN</td>
<td>€ 290 700</td>
<td>Universitatsring 1 1010 Wien</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>UNIVERSITAET BERN</td>
<td>€ 588 085</td>
<td>Hochschulstrasse 6 3012 Bern</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
</tbody>
</table>

Administrative Contact
- Paula Newton (Ms.)
- Helmut Schaschl (Dr.)
- Stefan Brönnimann (Prof.)
<table>
<thead>
<tr>
<th>Organisation</th>
<th>EU Contribution</th>
<th>Activity type</th>
<th>Address</th>
<th>Administrative Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL-RUSSIAN RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INFORMATION-WORLD DATA CENTRE</td>
<td>€211 500</td>
<td>Research Organisations</td>
<td>Korolev Str. 6, 249035 Obninsk</td>
<td>Alexander Sterin (Dr.)</td>
</tr>
<tr>
<td>FUNDACAO DA FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA FP</td>
<td>€210 440</td>
<td>Research Organisations</td>
<td>Campo Grande Edificio C1 Piso 3, 1749 016 Lisboa</td>
<td>Livia Moreira (Ms.)</td>
</tr>
<tr>
<td>THE EUROPEAN ORGANISATION FOR THE EXPLOITATION OF METEOROLOGICAL SATELLITES</td>
<td>€390 000</td>
<td>Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)</td>
<td>Eumetsat Allee 1, 64295 Darmstadt</td>
<td>William Seymour (Mr.)</td>
</tr>
</tbody>
</table>
METEO-FRANCE

France

EU Contribution
€ 237 540

Address
Avenue De Paris 73
94165 Saint Mande Cedex

Activity type
Research Organisations

Website
Contact the organisation

Administrative Contact
Nadine Pichard (Ms.)

UNIVERSIDAD DEL PACIFICO

Chile

EU Contribution
€ 210 000

Address
Avenida Las Condes 11 121
755000 Santiago

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
Luis Winter (Prof.)

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