



**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

**Milestone M4.3.1:  
Software for exploring extreme events  
in gridded data sets**

Due date of milestone: month 18

Actual submission date: 17 March 2006

Start date of project: 1 September 2004

Duration: 60 Months

Organisation name of lead contractor for this deliverable: UREADMM

Revision [draft, 1, 2, ..]

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

## **Statistical methods for exploring extreme events**

In months 1-18 of the ENSEMBLES project, UREADMM in collaboration with NERSC have developed and tested statistical methods for exploring extreme events in gridded data sets (milestone M4.3.1).

These exploratory tools have been written up in an accompanying report for ENSEMBLES deliverable D4.3.1 that we hope to publish after feedback and revision.

Software for these methods has been coded up in the R statistical language ([www.r-project.org](http://www.r-project.org)) and can be freely obtained from the R software for CLIMate analysis (RCLIM) website:

**<http://www.met.rdg.ac.uk/cag/rclim>**

We believe that these methods will be extremely useful for other partners in WP4.3 and other work packages of the project. Please contact us if you plan to use this software and then we will be able to provide you with expert assistance.

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