

Wikiprint Book

Title: udg/ecoms

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Recent Changes:

- [15-Apr-2013] Delivered the first version of the data server and access scripts (including only System4 datasets)
- [16-Apr-2013] New version of [?loadSystem4.R](#) available, with modified output data structure
- [22-Apr-2013] Python and Matlab examples included

blog

- [New CFSv2 monthly dataset](#) -- Posted on 2018-01-26 10:54 : author [juaco](#) : categories [Server](#) [Ecoms](#) [Udg](#) [Euporias](#) [Data](#) [Specs](#)
- [New paper about ECOMS UDG available](#) -- Posted on 2017-08-04 10:40 : author [juaco](#) : categories [Server](#) [Ecoms](#) [Udg](#) [Euporias](#) [Data](#) [Specs](#)
- [New variables in CFSv2](#) -- Posted on 2016-06-21 13:32 : author [juaco](#) : categories [Euporias](#) [Data](#) [Specs](#) [Server](#) [Ecoms](#) [Udg](#)
- [loadR.ECOMS v1.0-0 released](#) -- Posted on 2016-05-11 18:57 : author [juaco](#) : categories [Euporias](#) [Data](#) [Specs](#) [Server](#) [Ecoms](#) [Udg](#)
- [GloSea5 dataset published](#) -- Posted on 2016-05-11 18:52 : author [gutierjm](#) : categories [Euporias](#) [Data](#) [Specs](#) [Server](#) [Ecoms](#) [Udg](#)
- [Re-branding to ECOMS UDG](#) -- Posted on 2014-01-23 20:06 : author [antonio](#) : categories [Euporias](#) [Data](#) [Specs](#) [Server](#) [Ecoms](#) [Udg](#)
- [The CFSRR dataset has been added to the portal](#) -- Posted on 2013-09-24 12:26 : author [antonio](#) : categories [Euporias](#) [Data](#) [Specs](#) [Server](#)
- [First version of the user data portal](#) -- Posted on 2013-04-25 20:07 : author [antonio](#) : categories [Specs](#) [Euporias](#) [Data](#) [Server](#)

The SPECS-EUPORIAS Data Server

Different sector-specific impact activities to be undertaken in [?SPECS](#) and [?EUPORIAS](#) projects require a reduced number of variables (typically at surface) from different data sources (mainly seasonal forecasts, reanalysis, and observations). The [?SPECS-EUPORIAS Data Server](#) has been established by the Santander Meteorology Group (UC-CSIC) as part of the data management activities in these projects to provide a unique access for these impact-relevant variables, gathered from existing datasets. The data portal is based on a THREDDS data server providing metadata and data access using OPeNDAP and other remote data access protocols. Moreover, a user-friendly [?R](#) package has also been developed for exploring and remotely accessing subsets of data, thus reducing the burden of data access in these activities. This package will be also a key component for other tasks of the projects based on R, including the validation and downscaling packages to be developed within SPECS and sector-specific calibration and modeling tools to be developed in EUPORIAS.

This trac/wiki page provides an up-to-date description of the SPECS-EUPORIAS Data Server, including information of the available datasets and the documentation and code of the R data access package. This page is currently under construction, but both a first tutorial describing the basic functioning and a first version of the R package (a R function) are already available:

Dataset catalog: [?http://www.meteo.unican.es/tds5/catalogs/system4/System4Datasets.html](http://www.meteo.unican.es/tds5/catalogs/system4/System4Datasets.html)

R code: [?loadSystem4.R](#)

Tutorial: [PDF file?](#)

Contents (under development):

[Data Server?](#)

- [The THREDDS Data Server?](#)
- [Available Datasets?](#)
- [Exploring the Portal via Web?](#)
- [Low-Level DAP Access?](#)

[R Package for Data Access?](#)

- [Previous requirements and R dependencies?](#)
- [Authentication?](#)
- [Defined Functions?](#)
- [Examples?](#)

[Other interfaces for Data Access?](#)

- [Python?](#)
- [Matlab?](#)