

## **Wikiprint Book**

**Title: udg/ecom**s

**Subject: TracMeteo - udg/ecom**s

**Version: 209**

**Date: 05/16/2022 10:56:57 PM**

## Table of Contents

Placeholder for table of contents

0

## 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?](#)