

## **Wikiprint Book**

**Title: udg**

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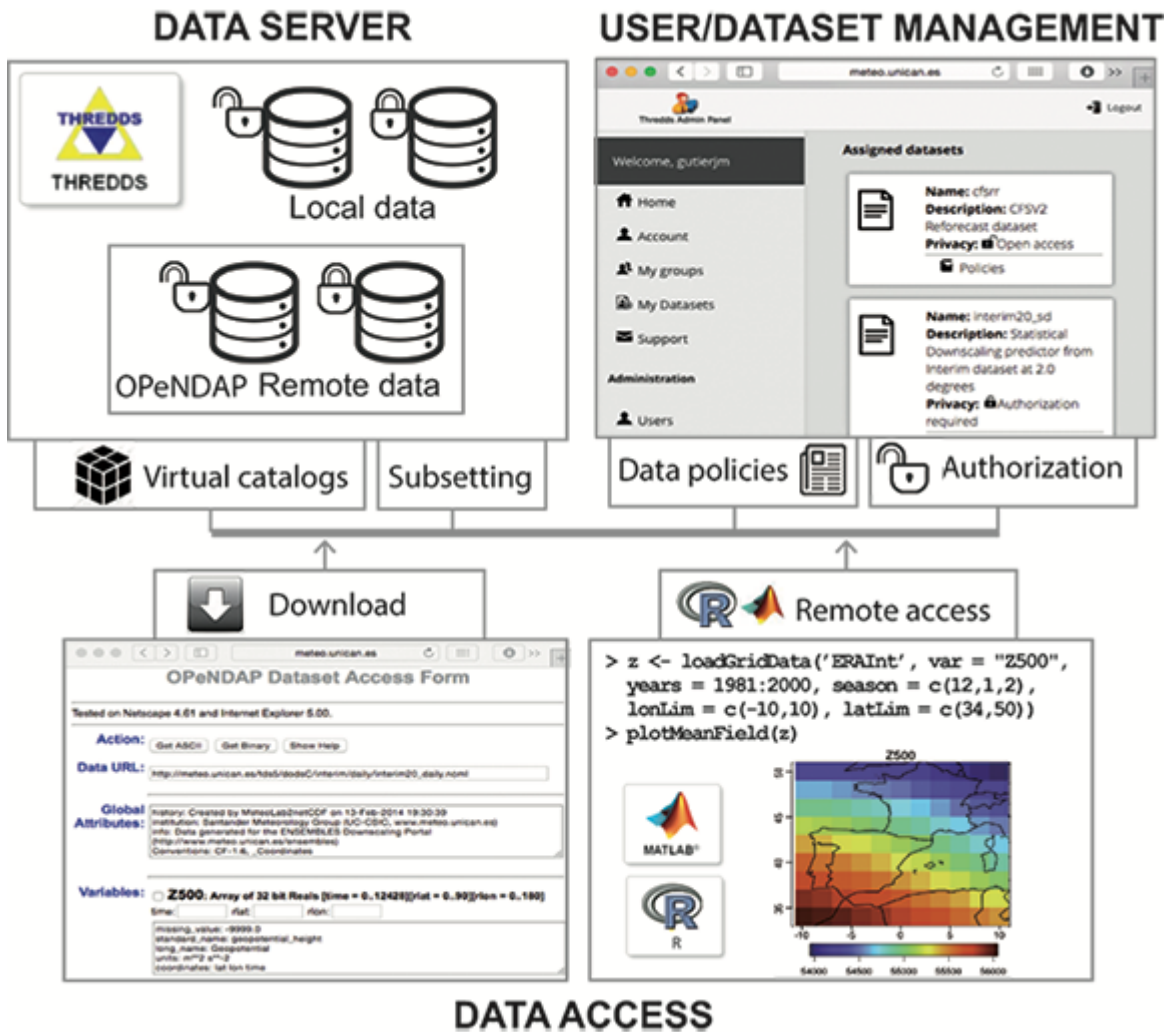
The User Data Gateway (UDG)

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## The User Data Gateway (UDG)

The User Data Gateway (UDG) is the main access point to the different data services provided by the [Santander Meteorology group](#). The UDG builds on a THREDDS Data Server, UDG-TDS and on a web portal for user authorization (the THREDDS Administration Portal, UDG-TAP). In addition to the standard web interface to explore and download the datasets, the UDG includes different (R and Matlab) packages for accessing remotely subsets of the data. A schematic view of the UDG is provided in the figure below.

- [Registration and group membership](#)
- **Catalog of Datasets:** [UDG-TDS](#)
- **Accessing Data:** [udg/accessdata?](#)
  - **R package:** [link to Latest stable release?](#)
  - [Other interfaces?](#) to the ECOMS-UDG



The [ECOMS data access](#) R and Matlab packages allow accessing seasonal forecast data using a single command (see an example here). The [downscaleR](#) package allows accessing observational and reanalysis datasets using a single command.

The group also supports a node of the **Earth System Grid Federation (ESGF)** which builds on the UDG-TDS and provides EURO-CORDEX simulations using the WRF model. <http://data.meteo.unican.es/>

All these services build on the [computing and storage infrastructure](#) of the group.

These tools are jointly developed with different communities and are in continuous development (support from SPECS and EUPORIAS projects is acknowledged).