

The User Data Gateway (UDG)

The User Data Gateway (UDG) is the one-stop shop for climate data access maintained by the [Santander MetGroup](#). The UDG builds on a THREDDS server with two extra layers for 1) authentication and 2) data access (based on R). The authentication builds on the [THREDDS Access Portal](#) (UDG-TAP), which is the entry point to the UDG (information for [registration](#)).

Authorization is organized in thematic groups, according to the data policies of different projects and international initiatives. Each group provides access to a particular catalog of datasets:

- **PUBLIC_DATA** (open). Includes data from publicly available datasets: observations (WFDEI), reanalysis (NCEP reanalysis1), seasonal re-forecasts (CFS_v2), CMIP5 climate projections soon.
- **SPECS, EUPORIAS and NACLIM** (restricted to members of the above ECOMS projects). A thematic group dealing with seasonal forecasting. Provides access to private seasonal hindcasts (System4, GloSea5, SMHI-EC-EARTH Euporias), as well as some other observational and reanalysis data used in these initiatives. [?Variables](#).
- **VALUE and CORDEX-ESD** (restricted to project members). Provide access to a subset of standard statistical downscaling predictors for reanalysis (ERA-Interim, JRA-55) and CMIP5 GCMs for different scenarios (historical, RCP4.5, RCP8.5). [?Variables](#).
- **ESGF-CORDEX**. Interim group for accessing CORDEX datasets during [ESGF shutdown](#).

Data access is facilitated in two different ways:

- **Downloading locally** subsets of the data (for a particular region and time period) from the UDG-TAP building on OPeNDAP and subsetting services.
- **Accessing remotely** to user defined subsets via the loader R bundle.

More information about the available [user-friendly interfaces](#).

