

## Versions

The latest versions (stable and/or devel) can be installed directly from [?github](#), but please note that the R package [?devtools](#) must be installed.

### Latest stable release 2.2-5 "SPECS Workshop" (06 Sep 2014)

[?https://github.com/SantanderMetGroup/ecomsUDG.Raccess/releases/tag/v2.2-5](https://github.com/SantanderMetGroup/ecomsUDG.Raccess/releases/tag/v2.2-5)

#### [User's manual](#)

To obtain the latest stable release of the `ecomsUDG.Raccess` package, it is recommended to use the `devtools` utility to install packages from [GitHub?](#). First check that `devtools` is installed on your system, otherwise install it by typing:

```
if (!require("devtools")) install.packages("devtools")
```

The, the package and associated dependencies are installed by following the adequate order by entering:

```
devtools::install_github(c("SantanderMetGroup/downscaleR.java@stable",
"SantanderMetGroup/downscaleR@stable",
"SantanderMetGroup/ecomsUDG.Raccess@stable"))
```

If attempting the installation from a proxy server and getting an error, please [?try this](#).

## Older versions

### version 2.2-4 (06 Sep 2014)

- Internal changes in imports for compatibility with the new `downscaleR` version 0.4-x

### version 2.2-3 (18 Aug 2014)

- Bug fix for 1-dimensional output data queries (i.e. time series at single point locations, without members)

### version 2.2-2 (18 Aug 2014)

- New global attributes in output (thanks to Stefan Siegert for this suggestion):
  - `dataset`: Name of the dataset returned (e.g. "System4\_seasonal\_15", "NCEP", etc.)
  - `source`: Name of the dataset
  - `URL`: URL of the data portal
- Consistent ordering of array dimensions: The output n-dimensional array now preserves the canonical ordering of its dimensions: (member, time, level, lat, lon) (thanks to Stefan Siegert for this suggestion)
- New daily aggregation options: minimum and maximum daily data are now returned when using the `time = "DD"` option for the relevant variables (e.g. "tasmin", "tasmax" ...).

### version 2.2-1 (05 Aug 2014)

- Minor enhancements:
  - Improved on screen error messages with clearer instructions for error fixing
  - The 'runtime' dimension in CFSv2 output data array has been changed to 'member' for better integration with other `downscaleR` objects and methods.

### version 2.2-0 (16 Jul 2014)

- New dependency on R Package `downscaleR` with inherited features such as:
  - Plotting mean fields
  - Fast Multi-member Interpolation/re-gridding capabilities
  - Many more coming in the next major `downscaleR` release (bias correction, perfect-prog downscaling methods...)
- On screen messages from the HTTP Java authenticator have been suppressed: Only the strictly relevant information is now displayed
- Automatically checks and warns the user about new available versions on attach
- Other minor bug fixes and enhancements

### version 2.1-1 (11 Jul 2014)

- Bug fix accessing surface air temperature and derived variables in System4 with mean daily temporal aggregation (thanks to M.D. Frías for pointing to the error)

### version 2.1-0 (8 Jul 2014)

- New extended list of available variables
- NCEP reanalysis included in available datasets
- On-the-fly computation of derived variables
- Support for variables with vertical levels and static (e.g. geopotential surface zs)
- New dependency on downscaleR.java R package containing Java dependencies

**version 2.0-0** (16-jun-2014).

- New input/output format
  - Access to a extended list of surface variables
  - New observational gridded dataset WFDEI
  - On-the-fly time filtering/aggregation capabilities
- **version 1.0-0** (17-feb-2014). Access to a limited list of surface variables for System4 and CFSv2 datasets.

## Development version

The development version is available at the 'master' branch of the [??gitHub repository](#), but please note that **the development version is unstable and may not be functional**

```
devtools::install_github(c("SantanderMetGroup/downscaleR.java@stable",  
"SantanderMetGroup/downscaleR@stable",  
"SantanderMetGroup/ecomsUDG.Raccess"))
```