

**ERAInterim-ESD (daily means at 2°):** A subset of commonly used predictors in statistical downscaling.

The ERAInterim-ESD dataset is formed by a reduced number of predictors (both at surface and at pressure levels) commonly used for Empirical-Statistical Downscaling (ESD). This information has been prepared by the [Santander Meteorology Group](#) as part of the work done in the [statistical downscaling portal](#), and is distributed in the framework of different international initiatives (such as CORDEX-ESD and VALUE) in order to have a standard predictor dataset and to facilitate the work of the contributing downscaling groups. This information has been downloaded from the ECMWF's MARS, degraded to a common 2 degrees grid and post-processed computing daily means based on the original 6 hourly fields when required.

Therefore, this dataset is a degraded and subset of the original ERA-Interim reanalysis dataset, which is freely available via [ECMWF servers](#) at original resolution.

This list will be extended in the future, based on the feedback and requests received from VALUE and CORDEX-ESD members.

**Geospatial Coverage:** Longitude: (-180° : 2.0° : 180°) Latitude: (-90° 2.0° : 90°)

**Time Coverage:** Start date: 01 ene 1979 End date: 01 ene 2013 Time resolutions: 24h

| Variable                | Levels                  | Times | Units                          | Temporal Aggregation |
|-------------------------|-------------------------|-------|--------------------------------|----------------------|
| Minimum Temperature     | -                       | -     | K                              | Daily minimum value  |
| Maximum Temperature     | -                       | -     | K                              | Daily maximum value  |
| Total Precipitation     | -                       | -     | m                              | Dy accumulated value |
| Mean Sea Level Pressure | -                       | -     | Pa                             | Daily Mean           |
| 2m Temperature          | 2m                      | -     | K                              | Daily mean           |
| Geopotential            | 250 500 700 850 1000 mb | -     | m <sup>2</sup> s <sup>-2</sup> | Daily Mean           |
| Temperature             | 250 500 700 850 1000 mb | -     | K                              | Daily Mean           |
| U velocity              | 250 500 700 850 1000 mb | -     | m s <sup>-1</sup>              | Daily Mean           |
| V velocity              | 250 500 700 850 1000 mb | -     | m s <sup>-1</sup>              | Daily Mean           |
| Specific humidity       | 250 500 700 850 1000 mb | -     | kg kg <sup>-1</sup>            | Daily Mean           |