

Wikiprint Book

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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 ² s ⁻²	Daily Mean
Temperature	250 500 700 850 1000 mb	-	K	Daily Mean
U velocity	250 500 700 850 1000 mb	-	m s ⁻¹	Daily Mean
V velocity	250 500 700 850 1000 mb	-	m s ⁻¹	Daily Mean
Specific humidity	250 500 700 850 1000 mb	-	kg kg ⁻¹	Daily Mean

JRA55-ESD (daily means at 2°): A subset of commonly used predictors in statistical downscaling (see information above).