

## **Wikiprint Book**

**Title:** udg/ecom/dataserver/catalog

**Subject:** TracMeteo - udg/ecom/dataserver/catalog

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The **ECOMS UDG** provides a homogeneous access (through a single controlled vocabulary) to the different available [datasets](#)?. However, only a reduced number of variables required by the different ECOMS activities (impact applications and downscaling studies) is provided by the portal. The following list of variables has been identified (and is periodically updated) according to the user's needs, receiving feedback from EUPORIAS WP22 (climate information indices, CIIs), WP23 (impact models), WP21 (calibration and downscaling) and SPECS WP61 (pilot applications) and WP52 (calibration and downscaling). See the section on the [assessment of user's needs](#)? for more details.

The following labels are used in the table below (**Available**: The variable is available and ready to use through the ECOMS UDG; **e**: The variable exists in the original dataset; **P**: The variable exists in the original dataset and it is planned to incorporate it to the UDG; blanks indicate lack of data).

Note that the short names shown in boldface correspond to standard variables according to the [NetCDF Climate and Forecast Metadata Convention](#)

| Availability for the following datasets: |                                      |           |             |                     |                     |                   |                  |              |
|--|--------------------------------------|-----------|-------------|---------------------|---------------------|-------------------|------------------|--------------|
| short name                               | Variable description                 | Frequency | Aggregation | System4_seasonal_15 | System4_seasonal_51 | System4_annual_15 | CFV2_seasonal_16 | SPECS - ESGF |
| <b>tas</b>                               | Surface (2m) air temperature         | Daily     | mean        | Available           | Available           |                   | Available        | e            |
|  |                                      | Monthly   | mean        | e                   | e                   |                   | e                | e            |
| <b>tasmax</b>                            | Maximum surface (2m) temperature     | Daily     | maximum     | Available           | Available           | Available         | Available        | e            |
| <b>tasmin</b>                            | Minimum surface (2m) temperature     | Daily     | minimum     | Available           | Available           | Available         | Available        | e            |
| <b>pre</b>                               | Total precipitation                  | Daily     | accumulated | Available           | Available           | Available         | Available        | e            |
|  |                                      | Monthly   | accumulated | e                   | e                   | e                 | e                | e            |
|  |                                      | Daily     | 12 UTC (1)  |                     |                     |                   |                  | e            |
| <b>psl</b>                               | Air pressure at sea level            | Daily     | mean        | Available           | Available           | e                 | Available        | e            |
| <b>ps</b>                                | Surface air pressure                 | Daily     | mean        |                     |                     |                   | e                |              |
|  |                                      | Monthly   | mean        |                     |                     |                   | e                |              |
| <b>sst</b>                               | Sea surface temperature              | Daily     | mean        | e                   | e                   | e                 |                  |              |
| <b>uas</b>                               | U-component wind speed (at 10m)      | Daily     | mean        | e                   | e                   | e                 | e                | e            |
| <b>vas</b>                               | V-component wind speed (at 10m)      | Daily     | mean        | e                   | e                   | e                 | e                | e            |
| <b>wsp</b>                               | Wind speed (at 10m)                  | Daily     | mean        | e                   | e                   | e                 | e                |              |
|  |                                      | Monthly   | mean        | e                   | e                   | e                 | e                |              |
| <b>wspmax</b>                            | Wind speed (at 10m)                  | Daily     | maximum     | e                   | e                   | e                 | e                |              |
| <b>wgust</b>                             | Wind gust                            | Daily     | maximum     | e                   | e                   |                   |                  |              |
| <b>tdps</b>                              | Dew point temperature                | Daily     | mean        | e                   | e                   |                   |                  | e            |
| <b>mrso</b>                              | Total soil moisture content          | Daily     | mean        |                     |                     |                   | e                | e            |
| <b>huss</b>                              | Surface (2m) specific humidity       | Daily     | mean        |                     |                     |                   | e                |              |
| <b>rsds</b>                              | SW radiation incident at the surface | Daily     | mean        | e                   | e                   |                   | e                | e            |
| <b>rlds</b>                              | LW radiation downward surface        | Daily     | mean        | e                   | e                   |                   | e                | e            |
| <b>mrros</b>                             | Surface runoff flux                  | Daily     | accumulated | e                   | e                   |                   | e                |              |
| <b>mrr0</b>                              | Runoff flux                          | Monthly   | mean        | e                   | e                   |                   |                  | e            |
| <b>ssro</b>                              | Sub-surface runoff rate              | Daily     | mean        | e                   | e                   |                   |                  |              |
| <b>prsn</b>                              | Snowfall flux                        | Daily     | mean        | e                   | e                   |                   |                  | e            |
| <b>wcsl</b>                              | Water Content of Soil Layer          | Daily     | mean        | e                   | e                   |                   |                  |              |
|  |                                      | Monthly   | mean        | e                   | e                   |                   |                  |              |
| <b>z850</b>                              | Geopotential 850mb                   | Daily     | mean        | e                   | e                   | e                 | e                |              |
| <b>z925</b>                              | Geopotential 925mb                   | Daily     | mean        | e                   | e                   |                   |                  |              |
| <b>ua850</b>                             | 850mb eastward wind                  | Daily     | mean        | e                   | e                   | e                 | e                |              |
| <b>va850</b>                             | 850mb northward wind                 | Daily     | mean        | e                   | e                   | e                 | e                |              |
| <b>ua925</b>                             | 925mb eastward wind                  | Daily     | mean        | e                   | e                   |                   | e                |              |
| <b>va925</b>                             | 925mb northward wind                 | Daily     | mean        | e                   | e                   |                   | e                |              |
| <b>zg700</b>                             | Geopotential height at 700hPa        | Daily     | 12 UTC      | e                   | e                   | e                 | e                |              |
| <b>zg1000</b>                            | Geopotential height at 1000hPa       | Daily     | 12 UTC      | e                   | e                   |                   | e                |              |

(1) Accumulated in the previous 24h