

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	CFSv2 seasonal_16	SPECS-ESGF
<b>tas</b>	Near-surface air temperature	Daily	mean	Available	Available		Available	e
		Monthly	mean	e	e		e	e
<b>tasmx</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>tp</b>	Total precipitation amount	Daily	accumulated	Available	Available	Available	Available	e
		Monthly	accumulated	e	e	e	e	e
		Daily	12 UTC (1)				e	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>mrro</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