

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	CFM2_seasonal_16	SPECS - ESGF
tas	Surface (2m) air temperature	Daily	mean	Available	Available		Available	e
		Monthly	mean	e	e		e	e
tasmax	Maximum surface (2m) temperature	Daily	maximum	Available	Available	Available	Available	e
tasmin	Minimum surface (2m) temperature	Daily	minimum	Available	Available	Available	Available	e
pre	Total precipitation	Daily	accumulated	Available	Available	Available	Available	e
		Monthly	accumulated	e	e	e	e	e
		Daily	12 UTC (1)					e
psl	Air pressure at sea level	Daily	mean	Available	Available	e	Available	e
ps	Surface air pressure	Daily	mean				e	
		Monthly	mean				e	
sst	Sea surface temperature	Daily	mean	e	e	e		
uas	U-component wind speed (at 10m)	Daily	mean	e	e	e	e	e
vas	V-component wind speed (at 10m)	Daily	mean	e	e	e	e	e
wsp	Wind speed (at 10m)	Daily	mean	e	e	e	e	
		Monthly	mean	e	e	e	e	
wspmax	Wind speed (at 10m)	Daily	maximum	e	e	e	e	
wgust	Wind gust	Daily	maximum	e	e			
tdps	Dew point temperature	Daily	mean	e	e			e
mrso	Total soil moisture content	Daily	mean				e	e
huss	Surface (2m) specific humidity	Daily	mean				e	
rsds	SW radiation incident at the surface	Daily	mean	e	e		e	e
rlsds	LW radiation downward surface	Daily	mean	e	e		e	e
mrros	Surface runoff flux	Daily	accumulated	e	e		e	
mrr0	Runoff flux	Monthly	mean	e	e			e
ssro	Sub-surface runoff rate	Daily	mean	e	e			
prsn	Snowfall flux	Daily	mean	e	e			e
wcsl	Water Content of Soil Layer	Daily	mean	e	e			
		Monthly	mean	e	e			
z850	Geopotential 850mb	Daily	mean	e	e	e	e	
z925	Geopotential 925mb	Daily	mean	e	e			
ua850	850mb eastward wind	Daily	mean	e	e	e	e	
va850	850mb northward wind	Daily	mean	e	e	e	e	
ua925	925mb eastward wind	Daily	mean	e	e		e	
va925	925mb northward wind	Daily	mean	e	e		e	
zg700	Geopotential height at 700hPa	Daily	12 UTC	e	e	e	e	
zg1000	Geopotential height at 1000hPa	Daily	12 UTC	e	e		e	

(1) Accumulated in the previous 24h