

### 3<sup>rd</sup> Party Regional Products– Help

#### 1. Introduction.

EUMETCast is disseminating also products that are produced by other (non-meteorological) centres. These products add to the already extensive portfolio of data provided.

#### 2. 3<sup>rd</sup> Party Regional products

The following products are processed – results obtained.

product	Temporal resolution	Time Stamp expected	Starting from – to (UTC)	Output format	Unit
AEMET	daily	yyyymmdd1200	12:00	MapList	various
Copernicus SWI	daily	yyyymmdd1200	12:00	MapList	Index – n/a
MESA JRC water occurrence	monthly	yyyymmdd	From m / d: 0101	raster	100 = water
Uni Ghana marine products	daily	yyyymmdd	--	MapList	various
S3-OLCI	dekad	yyyymmdekad	For dekad: 10, 20, last day month, for NDVI: 01, 11, 21	raster	various
TAMSAT rainfall products	Various: daily, pentad, dekad and monthly	depending on product temporal resolution: e.g. yyyymmdd (daily), yyyymmmp or d (for pentad or dekad) or yyyymm for month	--	raster	mm

Product name and units additional:

- AEMET: dust surface extinction (mm<sup>-1</sup>), 3 hr acc. dust dry deposition (mg/m<sup>3</sup>), 3 hr acc. dust wet deposition (mg/m<sup>3</sup>), dust load (g/m<sup>2</sup>), dust optical depth (--)
- SWI: Soil Wetness Index (unit not applicable, range 0-1)
- MESA-JRC Water Occurrence: 5 different regions in Africa, bool - water has value of 1

- Uni Ghana marine products – forecast: Sea Surface Salinity (PSU), Sea Surface Currents (m/s), Sea Surface Height (m), Sea Surface Temperature (°C), Significant Wave Height (m)
- S3-OLCI: Dry Matter Productivity (kg/ha/day), Fraction of Photosynthetic Active Radiation (range from 0 to 1, with 1 indicating complete absorption), Fraction of Vegetation Cover (fraction of the ground covered by green vegetation, ranging from 0 to 1), Leaf Area Index ( $\text{m}^2/\text{m}^2$ ) and Normalized Difference Vegetation Index (n/a – between 0-1)
- TAMSAT: Rainfall products are expressed in millimeters (mm). This unit represents the depth of rainfall collected during a specific period, like a day, pentad (5-day period), dekad (10-day period) or month.