



PrimeWater

H2020-SPACE-2019

Research and Innovation Action

**EO-derived HAB indicator for Mulargia and
Flumendosa reservoirs using Landsat 8**

HAB_it-sardinia_EOMAP_yyyyMMdd_hhmmss_LSAT8_m0030_32bit.tif

The project has received funding from the European Union's Horizon 2020.
Research and Innovation Programme under Grant Agreement No 870497.



General

Description

The algorithm detects areas likely affected by harmful algae blooms formed by cyanobacteria containing phycocyanin pigments by analyzing spectral trends in the green-red wavelength bands as a proxy. HAB is a qualitative parameter ranging from 0 (no HAB) to 1

Parameters

HAB indicator

Unit

Coordinate reference systems

UTM / WGS84

Data type

GeoTIFF

Keywords

Remote_Sensing, Landsat 8

Public repository link

<https://zenodo.org/record/6674940>

Contact

EOMAP

Dataset coverage

Spatial coverage

Mulargia and Flumendosa Rerservoir

Spatial resolution

30m

Temporal coverage

2015 - 2019

Temporal resolution

8 days

Usage

License conditions

CC-BY-NC-SA-4.0

Citations and Acknowledgements

Landsat 8 imagery courtesy of the U.S. Geological Survey

Scientific Citations

Lineage statement

Original data source

USGS

Limitations on public access

Available and public data



PrimeWater



EMVIS S.A.



National Research Council of Italy



Swedish Meteorological and Hydrological Institute



EOMAP GmbH & Co.KG



International Water Association



Burgundy School of Business



Ente Acque della Sardegna



US Environmental Protection Agency



Commonwealth Scientific and Industrial Research Organization



Melbourne Water



SatDek

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