PrimeWater

H2020-SPACE-2019
Research and Innovation Action

EO-derived water quality parameters using aerial imaging spectrometry for Lake Mulargia (Sardinia, Italy)

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

European Commission

General

Description

This dataset contains Hyspex-derived water quality (WQ) products of Lake Mulargia (Sardinia, Italy) for the 24 September 2020. The acquisition was done by CGR Spa (Italy). Available parameters are: True-color image (RGB), Colored Dissolved Organic Matter (CDOM), Chlorophyll-a (CHL), and Suspended Particulate Matter (SPM). WQ parameters have been calculated using CNR's bio-optical model BOMBER parameterized with the inherent optical properties specific of the case study. The data are available as GeoTiff files in WGS 84 / UTM zone 32N (EPSG: 32632).

Parameters

True-color image (RGB)
Colored Dissolved Organic Matter (CDOM)
Chlorophyll-a (CHL)
Suspended Particulate Matter (SPM)

Unit

Coordinate reference systems

Data type

Keywords

Public repository link

EO-derived water quality parameters using aerial imaging spectrometry for Lake Mulargia (Sardinia, Italy) (2020/09/24) | Zenodo

Contact

CNR

Dataset coverage

Spatial coverage

Spatial resolution

Temporal coverage

Temporal resolution

Usage

License conditions

CC-BY-4.0

Citations and Acknowledgements

Scientific Citations

Lineage statement

Original data source

CNR

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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