PrimeWater

H2020-SPACE-2019
Research and Innovation Action

PRISMA-derived water quality parameters for Lake Mulargia

P_it-mulargia_yyyyMMdd_PRISMA.tif

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 PRISMA-derived water quality (WQ) products of Lake Mulargia (Sardinia, Italy) for the 8 July 2020. 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). PRISMA data courtesy of the Italian Space Agency (ASI, 2020).

Parameters

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

Unit

depend on products

Coordinate reference systems

WGS 84 / UTM zone 32N (EPSG: 32632)

Data type

GeoTIFF

Keywords

Remote_Sensing, PRISMA

Public repository link

https://zenodo.org/record/5497591#.YT8dQRnivIU

Contact

CNR

Dataset coverage

Spatial coverage

Spatial resolution

5m-30m

Temporal coverage

2019 - today
2020/07/08

Temporal resolution

Occasionally

Usage

License conditions

CC-BY-4.0

Citations and Acknowledgements

Scientific Citations

Lineage statement

Original data source

ASI

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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