



# PrimeWater

**H2020-SPACE-2019**

**Research and Innovation Action**

**Simulated chlorophyll-a concentrations for Mulargia reservoir using Quantile Regression Forests**

*PrimeWaterExp03.h5*

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



## General

### Description

This dataset provides predicted chl-a concentrations at a specific point of interest of Lake Mulargia (Sardinia, Italy). Predictions are provided by a Quantile regression model trained on chl-a concentrations retrieved from multispectral satellite imagery. Training data cover the period 2015-2019.

### Parameters

Chl-a

### Unit

µg/l

### Coordinate reference systems

### Data type

HDF5

### Keywords

Water\_Quality, Simulated

### Public repository link

<https://zenodo.org/record/7853095>

### Contact

EMVIS

## Dataset coverage

### Spatial coverage

Point predictions

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### Spatial resolution

Point measurement

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### Temporal coverage

2015 - 2019

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### Temporal resolution

Occasionally

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## Usage

### License conditions

CC-BY-NC-SA-4.0

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### Citations and Acknowledgements

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### Scientific Citations

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## Lineage statement

### Original data source

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## Lineage statement

EMVIS

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## Limitations on public access

Available and public data

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# 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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