H2020-SPACE-2019
Research and Innovation Action

Simulated chlorophyll-a concentrations for William H Harsha Lake using Quantile Regression Forests

PrimeWaterExp03.h5

General

Description

This dataset provides predicted chl-a concentrations at two areas of interest of Lake Harsha (Ohio, US). Predictions are provided by a Quantile regression model trained on chl-a concentrations retrieved from multispectral satellite imagery. Training data

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

Spatial resolution

Point measurement

Temporal coverage

2015 - 2019

Temporal resolution

Occasionally

Usage

License conditions

CC-BY-4.0

Citations and Acknowledgements

Scientific Citations

Lineage statement

Original data source

Lineage statement

EMVIS

Limitations on public access

Available and public data

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

European Commission