PrimeWater

H2020-SPACE-2019
Research and Innovation Action

Satellite-derived chlorophyll-a concentrations for Lake Harsha (USA) using Mixture Density Networks and Landsat 8 imagery

CHL_us_harsa_NASA_XXXXXXXX_000000_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

This dataset contains satellite-derived chlorophyll-a data of Lake Harsha (USA) for the period 21 Mar. 2013 - 01 Feb. 2021. Chlorophyll-a concentrations have been calculated using Mixture Density Networks and Landsat 8 imagery.
Mixture Density Networks ar

Parameters

Satellite-derived chlorophyll-a concentrations for Lake Harsha (USA) using Mixture Density Networks and Sentinel-2 imagery

Unit

µg/l

Coordinate reference systems

UTM / WGS88

Data type

GeoTIFF

Keywords

Remote_Sensing, Landsat 8

Public repository link

https://zenodo.org/record/6783196

Contact

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Dataset coverage

Spatial coverage

Lake

Spatial resolution

37.19 m

Temporal coverage

21/3/32013 - 01/2/2021

Temporal resolution

Usage

License conditions

CC-BY-4.0

Citations and Acknowledgements

Scientific Citations

Lineage statement

Original data source

NASA

Limitations on public access

Accessible and confidential data

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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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European Commission