PrimeWater

H2020-SPACE-2019
Research and Innovation Action

EO-derived HAB indicator for Lake Hume using Landsat 8

HAB_au-hume_EOMAP_yyyyMMdd_hhmmss_LSAT8_m0030_32bit.tif

European Commission

General

Description

The algorithm detects areas likely affected by harmful algae blooms formed by cyanobacteria containing phycocyanin pigments by analyzing spectral trends in the green-red wavelength bands as a proxy. HAB is a qualitative parameter ranging from 0 (no HAB) t

Parameters

HAB indicator

Unit

Coordinate reference systems

UTM / WGS84

Data type

GeoTIFF

Keywords

Remote_Sensing, Landsat 8

Public repository link

https://zenodo.org/record/6676416

Contact

EOMAP

Dataset coverage

Spatial coverage

Spatial resolution

30 m

Temporal coverage

8 days2015 - 2019

Temporal resolution

8 days

Usage

License conditions

CC-BY-NC-SA-4.0

Citations and Acknowledgements

Landsat 8 imagery courtesy of the U.S. Geological Survey

Scientific Citations

Lineage statement

Original data source

USGS

Lineage statement

Limitations on public access

Available and public data

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