



PrimeWater

H2020-SPACE-2019

Research and Innovation Action

Reanalysis Meteorological data for Hume Lake (Exp01)

PrimeWaterExp01.h5

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



General

Description

Meteorological data comprise air temperature at 2 m above surface, solar radiation, total precipitation, and wind speed at 10 meters above surface. Near surface meteorological variables are derived from a bias-corrected reanalysis data set, which can be a

Parameters

Date, air temperature, surface downwelling shortwave radiation, total precipitation, wind speed

Unit

Dates are expressed in number of days from a fixed, preset date (January 0, 0000) in the proleptic ISO calendar, surface downwelling shortwave radiation is expressed in W/m², total precipitation in meters, air temperature in °C, and wind speed in m/s

Coordinate reference systems

WGS 84 (EPSG: 4326)

Data type

netCDF

Keywords

Meteorology, Simulated

Public repository link

<https://zenodo.org/record/7780519>

Contact

EMVIS

Dataset coverage

Spatial coverage

Lake

Spatial resolution

0.5 deg

Temporal coverage

Hourly2015-2019

Temporal resolution

Hourly

Usage

License conditions

CC-BY-NC-SA-4.0

Citations and Acknowledgements

The meteorological reanalysis data from the European Centre for Medium-Range Weather Forecasts are freely available.
<https://cds.climate.copernicus.eu/cdsapp#!/dataset/derived-near-surface-meteorological-variables?tab=overview>

Scientific Citations

Lineage statement

Original data source

ECMWF CDS: <https://cds.climate.copernicus.eu/cdsapp#!/dataset/derived-near-surface-meteorological-variables>.

Limitations on public access

Accessible and confidential 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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