



PrimeWater

H2020-SPACE-2019

Research and Innovation Action

**Reanalysis Meteorological data for Mulargia reservoir
(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 accessed through the Copernicus Climate Data Store. Reanalysis data cover the historical period 2015-2019 and refer to Mulargia reservoir.

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

Extent (top, left, down, right): 39.7,9.2,39.6,9.3

Spatial resolution

0.5 deg

Temporal coverage

2015-2019

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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