Climate data for the European energy sector from 1979 to 2016 derived from ERA-Interim

The dataset contains wind speed, precipitation, relative humidity, global horizontal irradiance, sea level pressure, air temperature, snow depth and dewpoint depression near-surface data relevant to e...

ERA5 hourly data on single levels from 1979 to present

ERA5 is the fifth generation ECMWF atmospheric reanalysis of the global climate. Reanalysis combines model data with observations from across the world into a globally complete and consistent dataset...

Essential climate variables for assessment of climate variability from 1979 to present

The Essential Climate Variables for assessment of climate variability from 1979 to present dataset contains a selection of climatologies and monthly anomalies of Essential Climate Variables (ECVs) sui...

UERRA regional reanalysis for Europe on soil levels from 1961 to present

The UERRA dataset provides estimations of the climate in Europe based on model data combined with observations using the UERRA-HARMONIE system and MESPAN-SURFEX system. UERRA-HARMONIE is a 3-dimension...

ERA5 hourly data on pressure levels from 1979 to present

ERA5 is the fifth generation ECMWF atmospheric reanalysis of the global climate. Reanalysis combines model data with observations from across the world into a globally complete and consistent dataset...
ERA5 data from 1979-present

31 km, hourly data

79 km, 3-hourly data
**Reanalysis data and derived products**

**Surface air temperature**
This series of monthly maps and charts, generated from ERA-interim data, covers global and European surface air temperatures.

**Sea ice**
We produce sea-ice maps every month. Based on ERA-interim reanalysis data, these provide near real-time monitoring of the polar ice caps.

**Hydrological variables**
This series of monthly maps and charts, based on ERA-interim data, covers several variables: precipitation, humidity, and soil moisture for Europe and the extra-tropical regions.

**Surface in-situ monitoring for Europe**
Monthly and yearly State-of-the-European-climate reports provided by C3S partners.
Seasonal forecasts and derived products

Seasonal forecast monthly statistics on pressure levels from 2017 to present
This entry covers pressure-level data aggregated on a monthly time resolution. Seasonal forecasts provide a long-range outlook of changes in the Earth system over periods of a few weeks or months, as...

Seasonal forecast monthly statistics on single levels from 2017 to present
This entry covers single-level data aggregated on a monthly time resolution. Seasonal forecasts provide a long-range outlook of changes in the Earth system over periods of a few weeks or months, as a...

Seasonal forecast anomalies on pressure levels from 2017 to present
This entry covers pressure-level data post-processed for bias adjustment on a monthly time resolution. Seasonal forecasts provide a long-range outlook of changes in the Earth system over periods of a...

Seasonal forecast anomalies on single levels from 2017 to present
This entry covers single-level data post-processed for bias adjustment on a monthly time resolution. Seasonal forecasts provide a long-range outlook of changes in the Earth system over periods of a...

Seasonal forecast daily data on pressure levels from 2017 to present
This entry covers pressure-level data at the original time resolution (once every 12 hours). Seasonal forecasts provide a long-range outlook of changes in the Earth system over periods of a few weeks...

Seasonal forecast daily data on single levels from 2017 to present
This entry covers single-level data at the original time resolution (once a day, or once every 6 hours, depending on the variable). Seasonal forecasts provide a long-range outlook of changes in the E...
Graphical products

C3S seasonal charts

Filters
- [ ] 40 matching lines

Parameters
- [ ] SALL
- [ ] SALL2
- [ ] SST
- [ ] SST2
- [ ] seasonal anomaly

Plot type
- [ ] Mean
- [ ] Time

Centres
- [ ] C3S
- [ ] ECMWF
- [ ] Met Office

https://climate.copernicus.eu/charts/c3s_seasonal/

Feb 2019

ECMWF/Météo France/CMCC/DWD
MAM 2019
Climate projections and derived products

Essential climate variables for water sector applications derived from CMIP5 projections

This dataset contains 4 Essential Climate Variables (ECV) for the 18 bias adjusted Global Climate Models (GCM) from CMIP5: daily precipitation rate, and daily mean, maximum and minimum temperatures.

CMIP5 monthly data on single levels

This catalogue entry provides monthly climate projections on single levels from a large number of experiments, models, members and time periods computed in the framework of fifth phase of the Coupled...
Observations are fundamental to everything we do. C3S is developing:

- C3S Data Rescue Service
- Global Land and Marine Observations Database
- Global Upper-air Observations Database

The aim is to locate, collect, merge, quality-check, and organise all meteorological in situ observations ever made... and vastly improve access and usability.

To be launched in stages during 2019.
C3S Data Rescue Service

Key products and services

- Coordination and support for climate data rescue projects
- Registry and tools to locate related projects and data
- Synchronized with WMO I-DARE
- Tools for digitization, quality control, homogenization
- Facility for submitting digitized data to international repositories
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