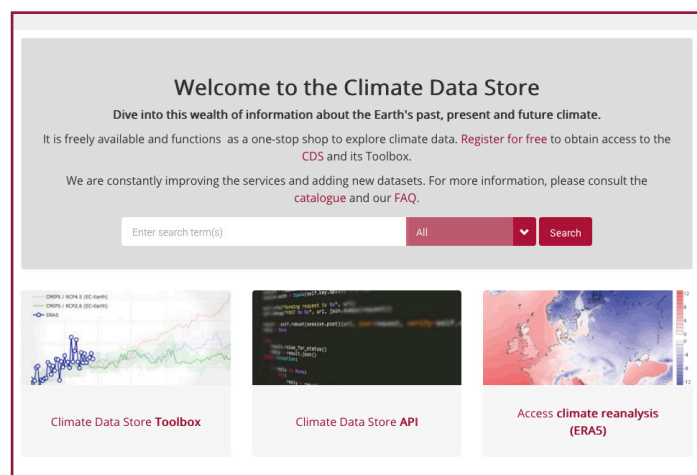


Quality Assurance for the Climate Data Store

Improving quality, consistency and accessibility



The quality assurance of data, tools and applications in the Climate Data Store contributes to ensuring that the Copernicus Climate Change Service helps society adapt to climate change.



1 Copernicus and the Climate Data Store

The Copernicus Climate Change Service (C3S) provides information to support climate change adaptation and mitigation policies. At the heart of the C3S infrastructure is the Climate Data Store (CDS), which provides:

- information about the past, present and future climate, including in situ observations, satellite data, reanalysis, seasonal forecasts, regional and global climate projections
- freely available data
- easy access to climate data and indicators for scientists and stakeholders to achieve a more sustainable future
- raw data, as well as processed data through the CDS Toolbox

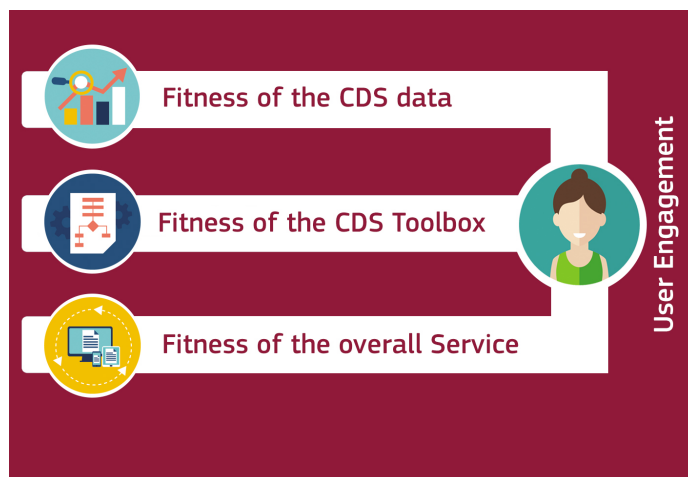
The extensive Toolbox allows users to create their own applications that contribute to climate adaptation. The Toolbox makes it easier to access data, manipulate variables, build new applications and visualise data.

An Application Program Interface (API) grants remote access to the CDS.

2 User requirements

We identify user requirements in the following areas:

- fitness of the CDS datasets: identifying the criteria for data products in the catalogue and performing daily quality assurance of data
- fitness of the Toolbox: evaluating the CDS Toolbox from multiple angles, including the data model and accessibility
- fitness of the overall service: measuring and reporting the quality of the services provided by the CDS infrastructure



3 Our ambitions

- To develop recommendations for improving and expanding the CDS datasets and products.
- To improve data quality, consistency and accessibility.
- To adapt the CDS to the evolving needs of users.

Climate Data Store

Climate data at your fingertips

The Climate Data Store (CDS) makes information about the past, present and future climate freely available, and functions as a one-stop shop for users to explore climate data.

4 How we gather user requirements

- Through the feedback form on the CDS website: cds.climate.copernicus.eu/contact-us
- Through the help and support function on the ECMWF website: confluence.ecmwf.int/display/CKB
- Through our dedicated email address: c3s-eqc@ecmwf.int
- Through direct interaction with users at conferences and events, e.g. through surveys and interviews.

It is important to ensure that the CDS meets the needs of its wide range of users. With the feedback and recommendations of users, we are building a CDS that is more adapted to their needs and goals.

All the user requirements are classified and prioritised according to their feasibility, urgency and popularity. Based on the results we suggest new features for the technical team to implement into the CDS in order to fulfil the needs of the users.

5 Do you want to contribute?

To become a user of the Climate Data Store, please register at cds.climate.copernicus.eu. Are you interested in helping to improve the CDS? Send an email to c3s-eqc@ecmwf.int



Climate
Change Service

The Copernicus Climate Change Service (C3S) combines observations of the climate with the latest scientific research to develop authoritative, quality-assured information about the state of the climate in Europe and worldwide.

The C3S Climate Data Store (CDS) makes information about the past, present and future climate freely available, and functions as a one-stop shop for users to explore climate data.

C3S and the CDS are implemented by the European Centre for Medium-Range Weather Forecasts (ECMWF) on behalf of the European Union.

Find out more

Web

cds.climate.copernicus.eu
climate.copernicus.eu
ecmwf.int

Twitter

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@ECMWF

Instagram

@copernicusecmwf
LinkedIn
Copernicus-ECMWF

Quality assurance: c3s-eqc@ecmwf.int

User Support: copernicus-support@ecmwf.int

Copernicus Communications: copernicus-communication@ecmwf.int

Media enquiries: copernicus-press@ecmwf.int

Contact: **André Obregón** | Senior Technical Officer | Copernicus Climate Change Service | ECMWF | andre.obregon@ecmwf.int