

# C3S User Learning Services

Providing free learning opportunities across Europe



C3S User Learning Services (C3S ULS) provides free training on how to design and develop climate services supported by the Climate Data Store Platform and its components as well as using the Danish Climate Atlas. Our ambition is to provide high quality training to those who are climate services providers and users.



## 1 How does C3S ULS support learners?

We provide free learning activities across Europe. The training aims to guide participants to design and develop a climate adaptation case study to be able to:

- Appraise the importance of scoping and framing adaptation issues
- Link the adaptation issue to the information users' need for robust decision-making as part of a climate service
- Map a communication and collaboration plan with the climate service user
- Understand the fundamentals of climate data sources and processing
- Identify the potentials of the CDS and its components
- Use, analyse and interpret the data in the Danish Climate Atlas (DMI Klima Atlas)

Participants are encouraged to submit their own case studies, from which five case studies are selected for multidisciplinary group work, providing a more effective learning experience. Online learning resources are used to support the case study group work,

which cover the following topics:

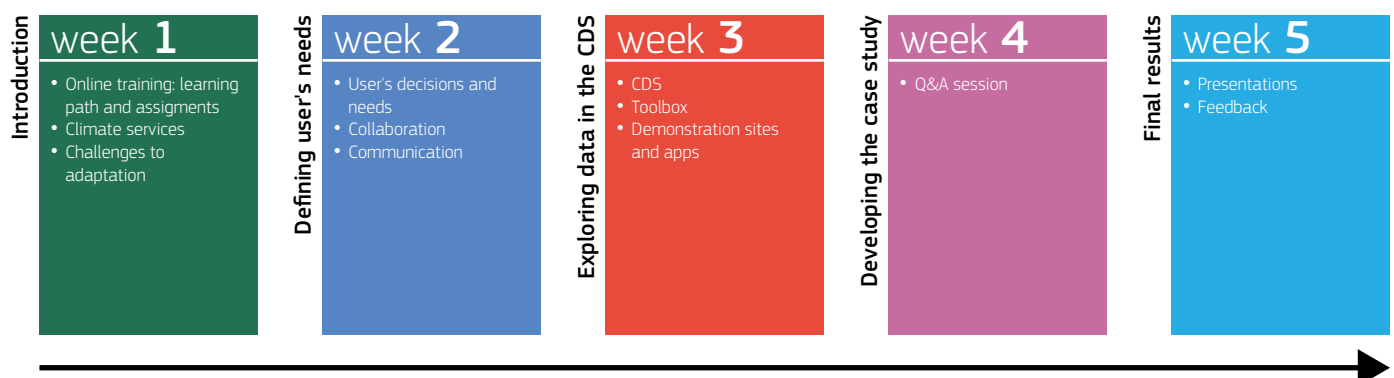
- Data discovery and use of climate data
- Exploring and using the Climate Data Store (CDS), toolbox and available applications
- Sectoral information for agriculture, water and energy among others
- Background knowledge on climate services and adaptation design
- Collaboration, communication and uncertainty in climate change adaptation

## 2 What does C3S ULS offer?

The C3S User Learning Service has been prepared to offer a full Online Program. Through 5 interactive virtual classrooms, a complete training on the subject will be delivered, assuring interaction with trainers and fellow participants.

Participants' learning is supported by highly qualified trainers.

## General overview online training for Denmark - 2020



### 3 Online Training for Denmark

The training will be in Danish and English, while the main the learning materials are in English. The team of trainers will guide participants through the virtual classrooms, providing clarification on any of the topics covered in the online resources. Trainers will also help participants to apply what they have learnt in the online resources. Part of the team are two trainers from Denmark, who can clarify concepts in Danish and act as translators. Team of trainers: Martin Drews, Per Skougaard Kaspersen, Janette Bessembinder and Maria del Pozo Garcia

Planning of Virtual Classrooms – 2020:

- Thursday November 12, 10.00-11.30 hours
- Thursday November 19, 10.00-13.00 hours
- Thursday November 26, 09.30-13.00 hours
- Thursday December 3, 10.00-11.30 hours
- Thursday December 10, 10.00-11.30 hours

Participants will need to spend an additional 4 to 5 hours in between each virtual classroom. On top of the self-paced learning activities and assignments, you will develop the climate adaptation case study as a group assignment.

### 4 Our audience

- Sectoral end users (for example from agriculture, water and spatial planning) who will gain an understanding on how climate data is produced.
- Consultants & researchers who want to learn how to use climate data and identify opportunities offered by the CDS and main climate data sources and tools.
- MSc and PhD Students in hydrology, environmental sciences, physical geography or related fields who want to acquire additional skills.
- Climatologists & data experts: who want to understand the full process of creating a climate service and want to gain skills on the CDS and its components.



Participants will receive a certificate after successfully completing the online training

### 5 Register

You can self register directly on our online learning portal for the online training programme: [uls.climate.copernicus.eu](https://uls.climate.copernicus.eu)

You can find additional information on our online resources and live sessions in the virtual classroom at: [climate.copernicus.eu/user-learning-services](https://climate.copernicus.eu/user-learning-services)



Join our free online training



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

[climate.copernicus.eu/user-learning-services](https://climate.copernicus.eu/user-learning-services)  
[climate.copernicus.eu](https://climate.copernicus.eu)  
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