A Union that strives for more

- **Within 100 days** – introduction of the European Green Deal, which will include:
  - European Climate Law
  - Extension of Emission Trading System
  - European Climate Pact for education and motivation purposes
  - The Sustainable Europe Investment Plan supporting €1 trillion of investment

- **By 2050** – Europe should be the first climate-neutral continent in the world
To support European adaptation and mitigation policies by:

• Providing consistent and authoritative information about climate (past, present, future)

• Building on existing capabilities and infrastructures (nationally, in Europe and worldwide)

• Stimulating the market for climate services in Europe
C3S builds upon a strong European capacity

295 different entities from
29 EU and ECMWF Member States,
International Organisations and third countries

Total budget: 215 Meuros over 7 years
C3S ... part of a bigger picture

Credit: European Commission
What the Climate Change Service has to offer

- Open and free access to climate data
- Tools needed to use the data
- Information on sectoral impacts
- Quality assurance
- User support and training
- Climate change assessments
- Outreach and communication

A one-stop Climate Data Store

climate.copernicus.eu
C3S portfolio: past, present and future climate data and information

Observations, climate data records, ECVs and climate reanalyses

Seasonal forecast data and products

Climate Projections

Sectoral climate impact indicators

Courtesy: Philip Brohan
Catalogue of climate datasets: uniform look and feel
Transforming data into useful information products

C3S service chain

Quality assured information and tools for scientists, consultants, decision makers.
We are part of a value chain which we need to foster and enable to create value to users

... this does not only happen at the level of data or information but at knowledge and wisdom

C3S acts as an **enabler**: we are part of a solution which in many occasions also requires input from the **downstream sector**.
Focus on the use of the Climate Data Store to address climate change adaptation challenges

Key elements:

• Blended training
• Online training resources freely available anywhere and anytime
• Personalized learning
• 3 main target audiences
• In-country training events in local language in more than 30 EU countries
• Train the trainers to widen the reach of the training and increase the impact

Past, current and future training events

In the pipeline: the first C3S MOOC
Examples of user uptake by the media

Credit: ZDF – German State TV, Özden Terli, C3S

CNN, July 2019

BBC, July 2018
C3S: an operational service since summer 2018

C3S benefits from European underpinning research and provides an infrastructure for downstream applications

C3S delivers > 60 Tbytes/day to ~ 25 000 CDS users (total number of users is much higher)

C3S is now a mainstream resource in the media

Huge effort has been made on the infrastructure (CDS), traceability and quality assurance, as well as on training and outreach

C3S acts as an enabler for the climate services market, active User Engagement is part of the future service delivery