



Climate Change

# C3S Energy Webinar 1

## Welcome

Alberto Troccoli (ICS)

23 April 2024



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# C3S Energy Indicators and Streams

## Indicators



Conversion models from climate variables to energy indicators (statistical & dynamical models)

PV Solar power generation

Wind power generation (onshore and offshore)



Electricity Demand

Hydropower generation (run-of-river and reservoir)

## Streams

Historical

Seasonal Forecasts

Projections

2100

1979

Present +6 months



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# C3S Energy Webinar 1: GLOBAL CLIMATE INDICATORS

**AGENDA – Tuesday 23 April 2024 15:00-16:30 CEST**

15:00-15:15

## **Introduction**

*Dr Nube Gonzalez-Reviriego (ECMWF/C3S)*



*Dr Nube Gonzalez-Reviriego*  
Energy and Agriculture  
Technical Officer @ C3S

15:15-15:25

## **Initial poll**

15:25-15:50

## **Processing methodologies and selected examples of global climate indicators for C3S Global Energy Climate service**

*Dr Letizia Lusito (ICS)*



*Dr Letizia Lusito*  
Data Engineer @ ICS

15:50-16:05

## **Tools for climate data processing: temporal downscaling, exclusion layers and spatial aggregation**

*Mr Stefano Campostrini (ICS)*



*Mr Stefano Campostrini*  
Data Engineer @ ICS

16:05-16:25

## **Q&A and final poll**

16:25-16:30

## **Wrap up and conclusion**

### **Webinar Chair**



*Prof Alberto Troccoli*  
CEO @ ICS  
Director @ WEMC



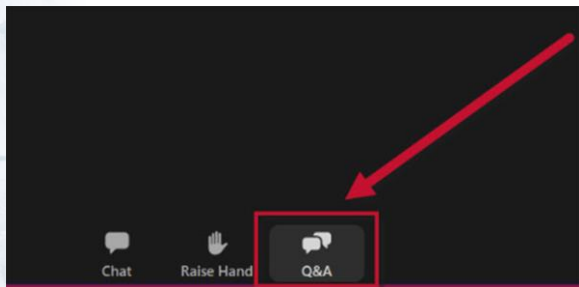
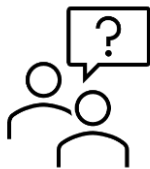
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# Information about the Webinar



Your **audio and video** are **deactivated** by default.

Please submit your questions in the **Q&A section**. We will address them verbally after the presentations. Additionally, some questions may be answered in writing during the webinar.

The webinar will be **recorded** and will be available online.

Enjoy the webinar!



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## C3S Energy Webinar Series

~~April 2024~~

~~Webinar 1: Global Climate Indicators~~

Jul 2024

Webinar 2: Global Energy Indicators

Q4 2024

Webinar 3: Case Studies

Q1 2025

Webinar 4: Update on Global Climate and  
Energy Products

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# Thank you for your attention



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