

European Climatic Energy Mixes (ECEM) Webinar



Climate Change

Explore how climate may affect future European energy demand and supply with the updated C3S ECEM Demonstrator

16 January 2018









European Climatic Energy Mixes (ECEM) is a Copernicus Climate Change Services Project (C3S) which is developing, in close collaboration with the energy sector, a demonstrator to assess how well **different energy supply mixes** in Europe will meet demand, over different time horizons, focusing on the role climate has on the mixes



Met Office









Agenda - 10:00-11:15 UTC

- 1. Demonstrator functionalities for the energy & climate sectors Ms Barbara Percy (Institute For Environmental Analytics, UK)
- How the demonstrator data sets provide valuable and usable new information for the energy sector Dr Clare Goodess (University of East Anglia, UK)
- 3. New energy projections for the European domain Dr Laurent Dubus (EDF R&D, F)
- 4. Case study: Understanding changes in risk of cold, high demand winters using the ECEM projections Dr Emma Suckling (University of Reading, UK)
- 5. Question and answer session

Webinar Chair: Prof. Alberto Troccoli













House Rules

Climate Change

- Three presentations followed by Q&A: please type your questions using the "Questions" tab in the control panel
 we will read the questions out at the end
- ★ The webinar is recorded and will be available online
- ★ Enjoy the webinar!





Your Questions

Climate Change

Demonstrator web site: <u>http://ecem.climate.copernicus.eu/demo</u>

- 1. What is the e-highways 2050? is it based on population weighting.
- 2. How did you work out capacity factors as there is a lot of uncertainty in this variable?
- 3. Please, I would like to know if there are a same platform or software for the projections in Africa?
- 4. Could you please say something more about cluster dimensions?
- 5. Are slides from previous webinars available?
- 6. Is it possible to receive data behind the graphs & figures
- Will the projections and models be updated with more data when if becomes available (also: will the projections be updated with new meteorological data released by Copernicus satellites?)
- 8. [related to 4] Clusters include several regions, provinces, etc. It is possible to obtain data for individual regions, provinces, etc. ?



Upcoming events



Showcasing the two C3S Climati Service demonstrators for the energy sector, the Symposium will evidence how these tools can benefit research, energy planning decisions and policy. Test the demonstrators and network with others in the climate othiversity of World Energy & Meteorology Council

This is a must attend event in the



http://www.wemcouncil.org/

SHANGHAI

CHINA, 22-24 MAY 2018,

Met Office

5th International Conference

Energy & Meteorology





Thank you for your participation

Upcoming ECEM Webinar:

• Uses of ECEM Demonstrator, February 2018 (title/date TBA)

ECEM Demo – <u>http://ecem.climate.copernicus.eu/demo</u>

For more information, or to provide your feedback, please visit: **ECEM Project:** <u>http://ecem.climate.copernicus.eu</u>

In collaboration with World Energy & Meteorology Council (WEMC): http://www.wemcouncil.org





