European Climatic Energy Mixes (ECEM) Webinar

Climate Change

Explore how climate affects European energy demand and supply with the new C3S ECEM Demonstrator

22 September 2017

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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

#C3S_ENERGY

WEMC
World Energy & Meteorology Council

UEA University of East Anglia
EDF
University of Reading
Met Office
ARMINES
ENEA

ECMWF
European Commission

ECEM Demonstrator

Climate Change Service
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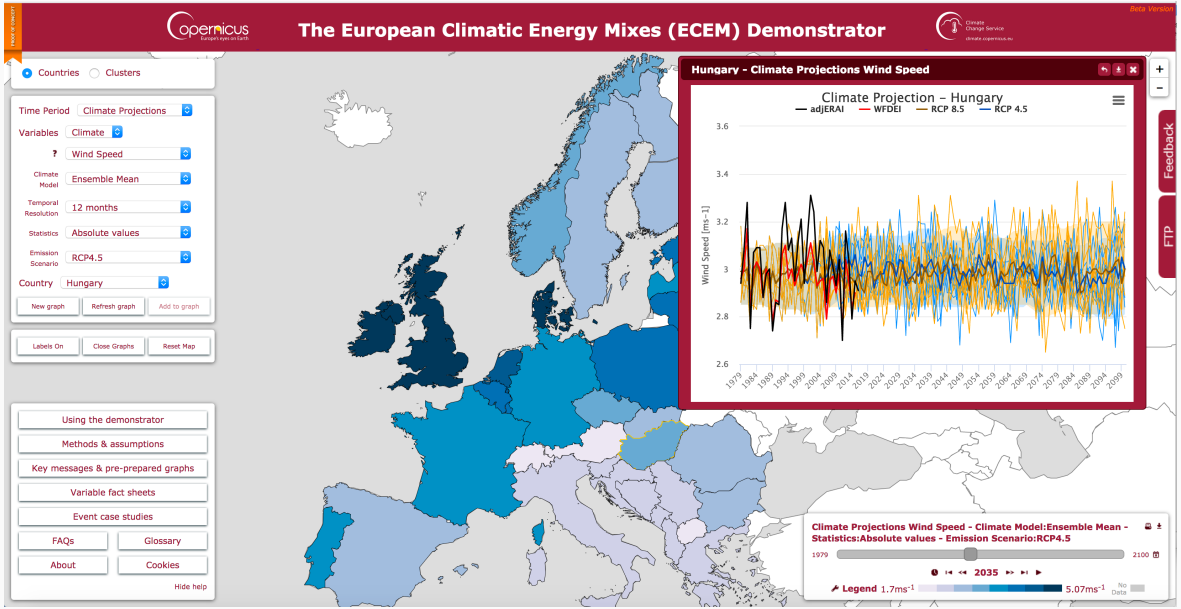

Webinar Chair:
Prof. Alberto Troccoli

WEMC World Energy & Meteorology Council

University of East Anglia · EDF · University of Reading · Met Office · ARMINES · ENEA

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Agenda – 10:00-11:00 UTC

1. Combining science and functionality in a powerful new tool for the energy sector – an introduction to the ECEM Demonstrator
   Dr Clare Goodess (University of East Anglia, UK)

2. A case study based to understanding variability and risk in the energy sector: Winter 2010
   Dr Emma Suckling (University of Reading, UK)

3. Enhancing the user experience – documentation and guidance on the C3S ECEM Demonstrator
   Dr Clare Goodess (University of East Anglia, UK)

4. Question and answer session
   Dr Clare Goodess (University of East Anglia, UK)
   Dr Emma Suckling (University of Reading, UK)
   Barbara Percy (The Institute For Environmental Analytics, UK)

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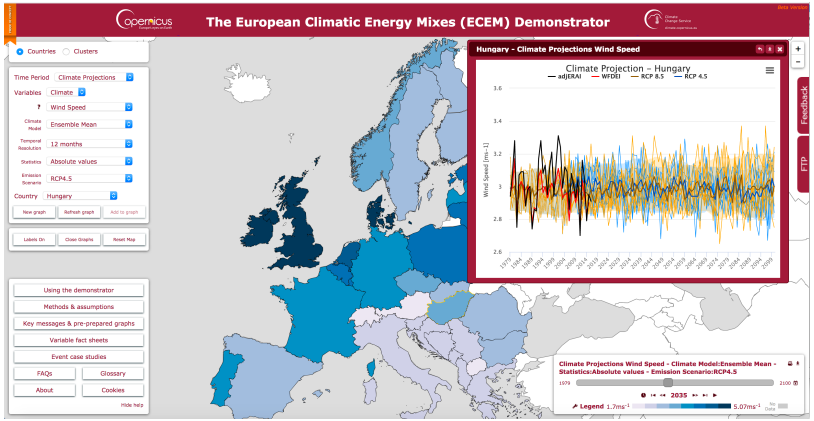
House Rules

- 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!



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Your Questions

1. What is the minimum temporal resolution of the data?
2. Are demand and generation, gross or net values?
3. What is the geographical scale of the data? How do you transform temperature in demand? what is the sensitivity (load to temperature) and how do you aggregate it to get country values?
4. To Clare Goodess: are documentation about the data available (where it comes from, which models..) ?
5. Hello, When do you think energy variable will be available with in the climate projection?
6. To Clare Goodess : I understand the highest time resolution is a daily resolution, can we hope to have hourly time series one day ?
7. Out of curiosity : how many are we to follow this webinar ?
8. hourly will be possible if / when we can proceed ERA5 data
9. when do we expect to have seasonal forecast in real time?
10. Are you going to also use ERA5?

Thank you for your participation

Upcoming ECEM Webinars:

- ECEM Climate Data, 18th October 2017
- ECEM Energy Data, November 2017 (exact date TBC)
- ECEM Demonstrator Update, December 2017 (exact date TBC)

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

For more information, or to provide your feedback, please visit:

ECEM Project: http://ecem.climate.copernicus.eu

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

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