

European Climatic Energy Mixes (ECEM) Webinar



Climate Change

Discover the C3S ECEM energy data for the European energy sector

20 November 2017





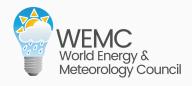




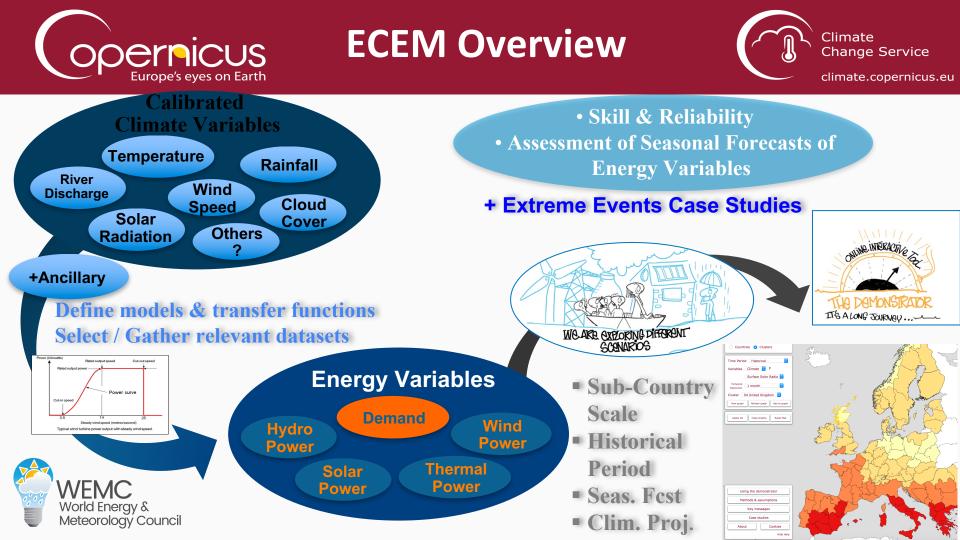
European Climatic Energy Mixes (ECEM) is a Copernicus Climate Change Services Project (C3S) which is developing, in close collaboration with the energy sector, a demonstrator to assess how well different energy supply mixes in Europe will meet demand, over different time horizons, focusing on the role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

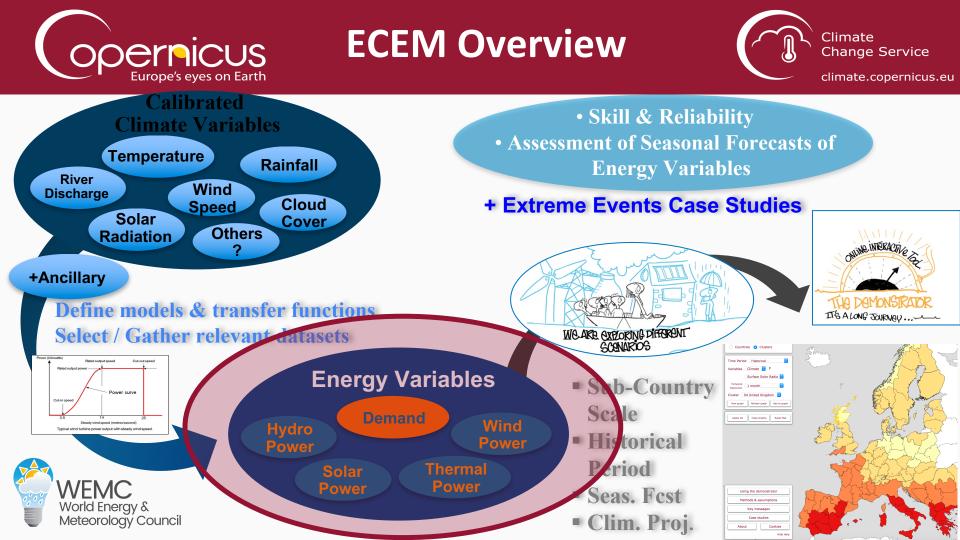


Met Office











Agenda - 14:00-15:15 UTC

- 1. Energy variables for the European domain Dr Laurent Dubus (EDF R&D, FR)
- 2. Hydro-power energy modelling for European countries using surface temperature, daily precipitation and snow cover *Dr Matteo De Felice (ENEA, IT)*
- 3. Solar power generation based on a physical model coupled with a statistical distribution of a PV plant model *Dr Yves-Marie Saint-Drenan (MINES ParisTech, FR)*
- 4. Question and answer session

Webinar Chair: Prof. Alberto Troccoli



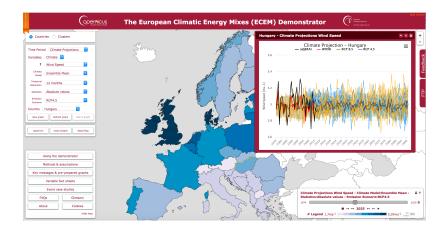




House Rules

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- 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

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- 1. [Laurent] Are the demand models of the different countries available? Where?
- 2. [Laurent] Why are you interpolating wind data from 10m upwards and not using higher level wind data from the models?
- 3. [Matteo] France is considered with 100% run-of-river hydroelectricity?
- 4. What will the new ERA-5 reanalysis bring to theses studies?
- 5. [Matteo] Is there a lag for temperature also? Have you improved the model by adding temperature?
- 6. Have your results already been used for national or international electricity projections studies?
- 7. Can we have a demo of the ECEM demonstrator? Please visit <u>http://ecem.climate.copernicus.eu</u>



Thank you for your participation

Upcoming ECEM Webinar:

• ECEM Demonstrator Update, January 2018 (exact 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

