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Climate Change Service
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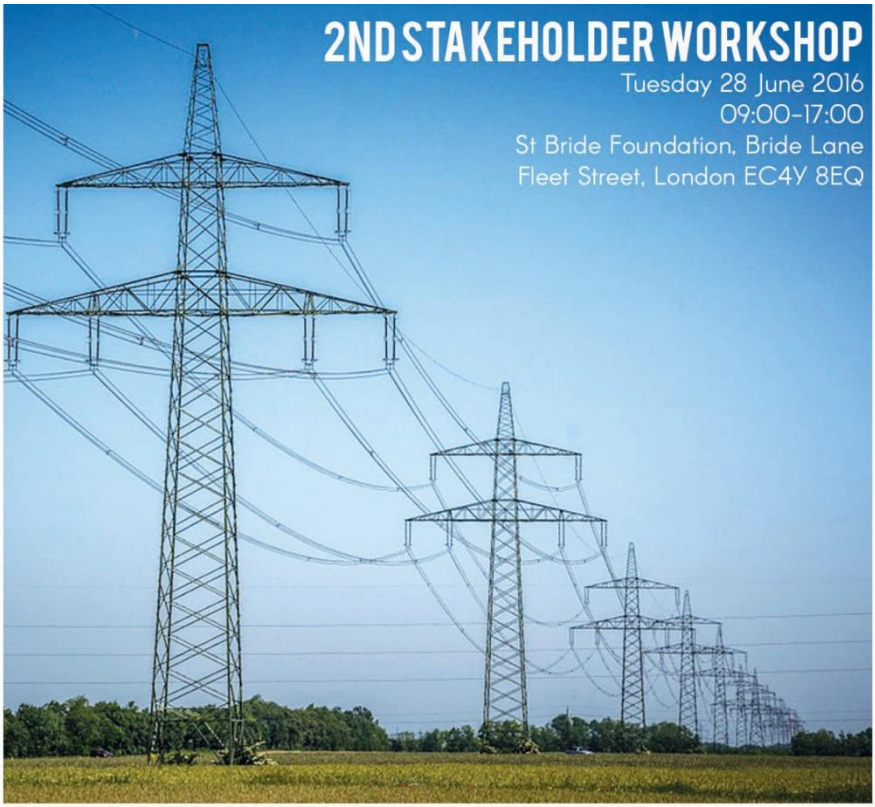
EUROPEAN CLIMATIC ENERGY MIXES



Shaping European Climate Services to support the Energy Sector of the future!

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

European Commission
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What is ECEM?

European Climatic Energy Mixes (ECEM) aims to produce, in close collaboration with prospective users, a proof-of-concept climate service – or demonstrator. Its purpose is to enable the energy industry and policy makers 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.

The EU Copernicus Climate Change Service project is led by the University of East Anglia (UEA, UK) in collaboration with Electricité De France (EDF, France), the Met Office (UK), ARMINES (France), the University of Reading (UK) and the Agency for new technologies, energy and sustainable development (ENEA, Italy).

ECEM and energy security

The energy sector is undergoing a major transformation with a steady increase in the share of variable renewable energy (RE) source and an increase in demand variability due to rooftop solar, air-conditioning, all against a variable and changing climate.

Given the weather and climate dependency of both RE and demand, it is important to develop robust climate-based tools to advise energy planners and policy makers.

Therefore, this project is addressing:

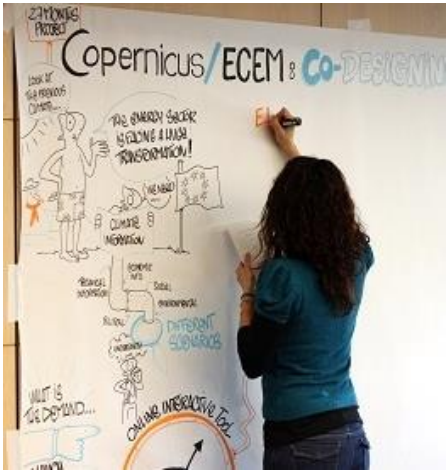
- The ways in which energy supply and demand over Europe are affected by the spatial and temporal variations of their climate drivers

- How scenarios with different energy supply mixes can meet demand at the European scale, particularly given the projected high level of highly climate-sensitive RE.

Why attend the 2nd stakeholder workshop?

Building on the successful first European Climatic Energy Mixes (ECEM) Paris stakeholder workshop, the main objective of this second workshop is to seek your input regarding the level of quality required for climate and energy variables used for assessments of energy mixes. We will also update you on project progress, including the latest developments of the demonstrator.

There will also be opportunities for you to learn more about and provide your input on, climate variables, transformation of climate variables into energy variables, and critical climate events for the energy industry through the highly interactive carousel sessions. This workshop is also a great occasion for you to meet other experts in energy and climate during the several discussions and other networking opportunities.



If you are working in the Energy sector, responsible for anticipating the transformation of the sector, through either long-term planning or medium-term operational activities, and climate affects your decisions, then participating in this workshop is essential for you and your sector.

Provisional programme

9.00 – 9.30	**Welcome and project overview**	Alberto Troccoli (UEA/WEMC)
9.30 - 10.20	**ECEM presentations** • Climate variables • Energy variables • Case studies/seasonal forecasting	ECEM project team Phil Jones (UEA) Laurent Dubus (EDF) David Brayshaw (U Reading)
10.20 – 11.00	**Participant introductions and participatory activity** • Worst-case scenarios for European energy supply and demand	Participants
11.00 – 11.30	**Coffee break**	
11.30 – 12.00	**ECEM presentations** • The Demonstrator • Engagement and communication	 Clare Goodess (UEA) Steve Dorling (UEA)
12.00 – 13.00	**Invited presentations** • Copernicus Sectorial Information System (SIS) overview • Energy data and statistics • Analysis of the European electricity system with 60% RES	 Carlo Buontempo (ECMWF) Duncan Millard (IEA) Vera Paiva da Silva (EDF)
13.00 – 14.00	**Lunch**	
14.00 – 15.30	**Carousel rotational interactive sessions** • Climate variables • Energy variables • Case studies – worst-case scenarios, thresholds and extremes • Demonstrator logic • Engagement and communication	Sub-groups
15.30 – 16.00	**Tea break**	
16.00 – 16.50	**Plenary discussions** and feedback from carousel interactive sessions	Clare Goodess (UEA)
16.50 – 17.00	**Next steps & closing**	Alberto Troccoli (UEA/WEMC)

To book a place on the workshop please email
lesley.penny@uea.ac.uk by 10th June 2016

European Climatic Energy Mixes (ECEM) is a Copernicus Climate Change Service Project
http://climate.copernicus.eu/ecem-european-climatic-energy-mixes