

2nd Copernicus Climate Change Service (C3S) Symposium for the Energy Sector

5-6 March 2018

The French Ministry for an Ecological and
Solidary Transition Paris
(la Défense), France

Showcasing the two C3S Climate 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 and energy sectors.

**This is a must attend event in the
European Energy Climate Service arena!**

Why attend the Copernicus Symposium on Climate Services for the Energy Sector?

Seasonal predictions and long-term projections of climate, along with uncertainty estimates, are now made possible thanks to remarkable progress in climate science. The accurate use of climate information is key to the energy sector as it needs to tackle issues related to climate variability and change for a robust planning of growing renewable energy, more diverse energy markets and management of changing climate risks.



Held at the prestigious French Ministry for an Ecological and Solidary Transition in Paris, the Symposium will showcase the new C3S ECEM and CLIM4ENERGY demonstrators.

During the Symposium you will get the opportunity to:

- **Connect** with experts in the sectors of energy and climate
- **Participate** in the demonstrator 'hands-on' sessions and explore the climate and energy data it provides access to
- **Discover** through case studies how access to climate information can improve your organisation's ability to cope with extreme climate scenarios
- **Build** your own simple tailored data assessment

The symposium is a joint event organised by the two proof-of-concept climate services [European Climatic Energy Mixes \(ECEM\)](#) and [CLIM4ENERGY](#), which are part of the EU [Copernicus Climate Change Service \(C3S\)](#), implemented by the European Centre for Medium-Range Weather Forecasts (ECMWF) on behalf of the European Commission

About the pre-operational C3S Energy services

For the pre-operational phase, C3S awarded two contracts targeted at the Energy sector, one led by CEA (CLIM4ENERGY) and one led by UEA (European Climatic Energy Mixes).

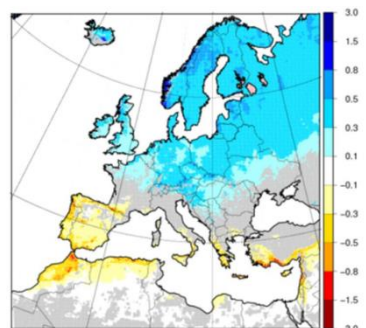
European Climatic Energy Mixes (ECEM) has produced, in close collaboration with prospective users, a proof-of-concept climate service – or demonstrator. Its purpose is to enable the energy industry and policy makers to assess how well different energy supply mixes in Europe will meet demand, over different time horizons, focusing on the role climate has on the mixes.

This C3S service is executed 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).



CLIM4ENERGY brings together the complementary expertise of seven climate research and service centres and nine energy practitioners to demonstrate, from an ensemble of case studies, the value chain from climate observations and model simulations to actionable information in the energy sector. It is delivering 10 energy-relevant pan-European indicators of climate trends and variability with a cross-sectoral consistency, appropriate documentation and guidance, estimation of uncertainties, and a demonstration of use.

This C3S service is executed by the French Atomic Energy and Alternative Energies Commission (CEA), in collaboration with The National Center for Scientific Research (CNRS, France), Barcelona Supercomputing Center (BSC), the Finnish Meteorological Institute (FMI), Météo France, the Met Office (UK), the Swedish Meteorological and Hydrological Institute (SMHI) and Helmholtz-Zentrum Geesthacht (HZG).



Provisional programme | 05-06 March 2018

Day 1		Monday 5 March 2018
14.00-14.30	Registration	
14:30-15.00	Opening and welcome address	L Bergeot (Ministry) A Troccoli (UEA/WEMC) R Vautard (CEA/CNRS/UVSQ)
15.00-15.30	C3S Overview and outlook	J-N Thepaut (ECMWF)
15.30-16:30	Presentation of C3S CLIM4ENERGY & ECEM projects	R Vautard (CEA/CNRS/UVSQ) A Troccoli (UEA/WEMC)
16.30-17.00	Coffee break	
17.00-17.30	Exploring the CLIM4ENERGY & ECEM demonstrators	Guided session
17.30-18.00	Question and answer session	Panel discussion
18.00-18.15	Wrap up of day 1	A Troccoli (UEA/WEMC) R Vautard (CNRS)
18:15-19:45	Poster session and reception	
Day 2		Tuesday 6 March 2018
9.00-11.00	Discover the effect of climate events through the C3S Energy case studies	
	Seasonal forecast of wind power winter 2016/17 Hydropower in Sweden and Norway Risk of freezing rain disruption in Finland Case studies winter 2009/10 UK & France Focus on hydro power Focus on electricity demand	L Ponsati (BSC) J Barbro (SMHI) P Niemi (Fingrid) E Suckling (Univ of Reading) M De Felice (JRC) L Dubus (EDF)
11.00-11.30	Coffee Break	
11.30-13.00	How climate services are being used	
	Energy industry perspective Plan4Res H2020 project CLIM2POWER project Projected solar resource assessment Marine & coastal risk management	C Elsässer (EnBW) S Charoussat (EDF) S Simões (Universidade NOVA) C Thomas (Transvalor) M Williams (JBA consulting)
13.00-14.00	Lunch	
14.00-15.30	Exploiting the demonstrators	Interactive session
15.30-16.15	Looking ahead and wrap up	Panel led by R Vautard (CNRS) and A Troccoli (UEA/WEMC)

Register by 23 February 2018 for the Symposium. Registration fee is €100 (includes attendance to the Symposium sessions, refreshments and lunch)

For further information, please email: sonia.firion@lsce.ipsl.fr (C4E) or lesley.penny@uea.ac.uk (ECEM)

 #C3S_ENERGY