Combining science and functionality in a powerful new tool for the energy sector — an introduction to the C3S ECEM Demonstrator



C3S European Climatic Energy Mixes (ECEM)
Webinar Programme
22 September 2017

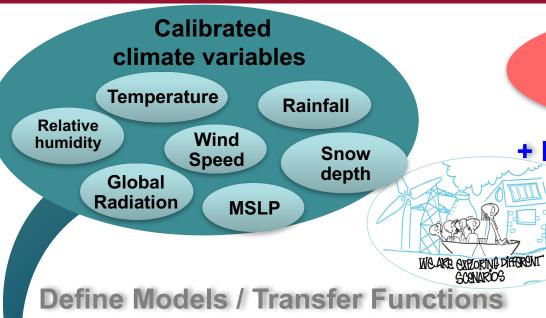
Clare Goodess
University of East Anglia







From Climate variables to Energy systems



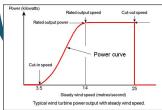
 Skill & Reliability **Assessment of Seasonal Forecasts of Energy Variables**

+ Event Case Studies



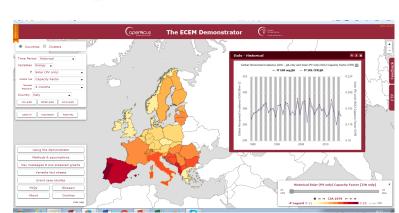
Impacts of Climate Variability & Change on **Energy Variables**

Select / Gather relevant Datasets



Energy variables Demand Hydro **Power** Wind **Power** Solar Power

- Country/cluster scale
- **Historical Period**
- Seasonal Forecasts
- Climate Projections



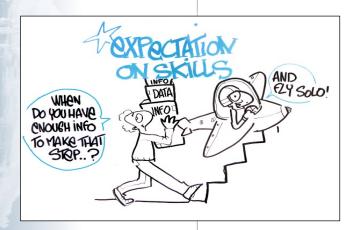




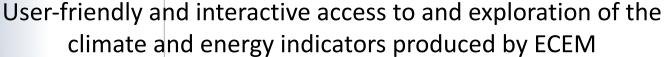
The purpose of the ECEM Demonstrator

To enable the energy industry and policymakers to assess how well different energy supply mixes in Europe will

meet demand, over different time horizons (from seasonal to long-term decadal planning), focusing on the role climate has on the mixes.













C3S ECEM Demonstrator Development

First vision
Including
proposed
climate
and energy
variables

Demonstrator logic

- landing page
- display functionality
- menuchoices/variants

Visual tool First version

Wireframe Dec. 2016

Updated Wireframe

Final version
Including
documentation,
ready for preoperational
phase











1st SH WS 16 Feb 2016 Paris

SH: Stakeholder WS: Workshop

2nd SH WS 28 Jun 2016 London

3rd SH WS 22 Feb 2017 Barcelona 4th SH WS 30 Jun 2017 Bari

Nov 2017







So now, let's link to the Demonstrator

http://ecem.climate.copernicus.eu/demo

