

Climate Classroom on Climate Information to Optimize Renewable Energy Penetration

Thursday, 6 December 2018, 11.30am
WMO-IPCC Pavilion, COP24 of the UNFCCC

About the Climate Classroom

The Climate Classroom @COP24 is an innovative learning experience, designed for anyone interested in getting up to speed on selected climate change topics and open particularly to delegates of countries facing special challenges (African countries, Least Developed Countries, Small Island Developing States and Landlocked Developing Countries). During COP24, our speakers will deliver 45-minute lessons, illustrated by key facts and multiple examples, in a dedicated interactive environment. Learning about climate change is essential to make timely, effective and sustainable decisions.



Get Started



Place the headset comfortably on your head. If you wear glasses or earrings, fix the headset so that you do not feel any discomfort.



Make sure that the microphone does not touch your face or clothes and that it is on the level of your mouth.



To turn on the headset controller press  **button for 3-4 seconds.** You should be able to see the following on the display: speaker icon, headset icon, text "GUEST" and group "12".



You can control the volume level by pressing the '+' and '-' signs. It is possible that the sound levels may change during the classroom.



If you would like to speak to the instructor and colleagues, please raise your hand and talk by pressing the talk button as long as you need to speak.



If you need any assistance with the equipment, please contact one of the classroom assistants.

About the Instructor

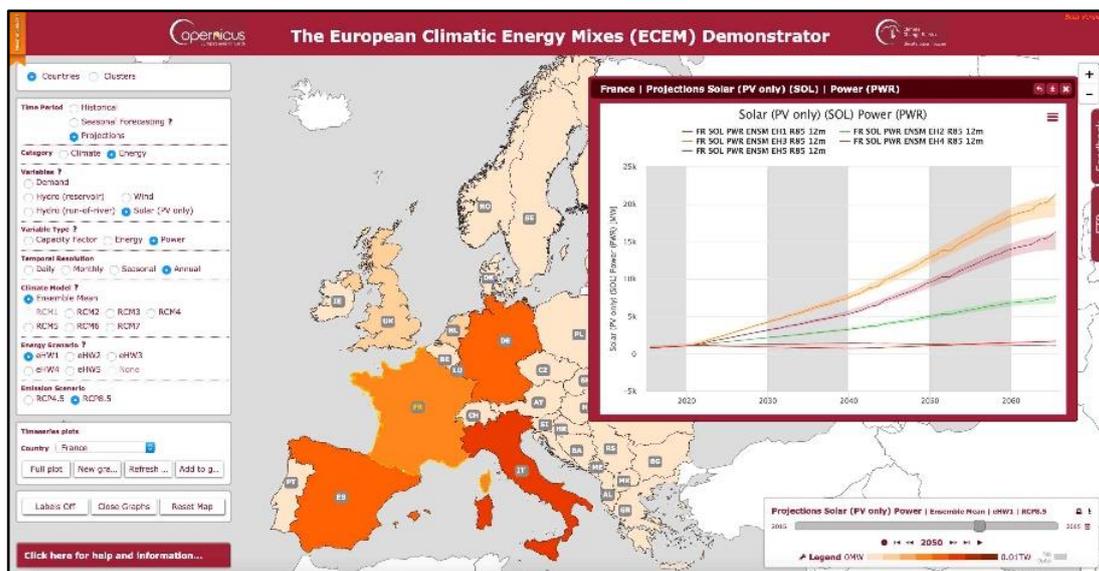


Professor Alberto Troccoli is based at the University of East Anglia's School of Environmental Sciences and is also the Managing Director of the World Energy & Meteorology Council. He has about 25 years of experience in several aspects of meteorology and climate and, in the last decade, their applications, particularly to the energy sector. He has worked at several leading institutions such as NASA, ECMWF (UK), the University of Reading (UK) and CSIRO (Australia). He has led a number of projects and capacity building activities, particularly in the area of meteorology and energy. He is currently the leader of the EU H2020 project The Added Value of Seasonal Climate Forecasting for Integrated Risk Management (SECLI-FIRM) project, and of the Copernicus Climate Change Service (C3S) Energy operational project.

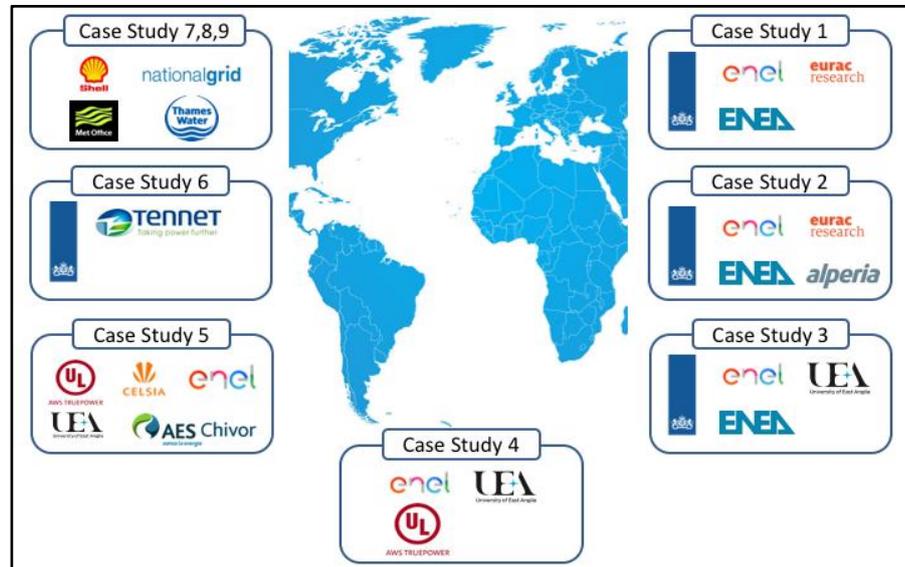
Alberto is the chief editor and an author of four books: *Seasonal Climate: Forecasting and Managing Risk* (2008), *Management of Weather and Climate Risk in the Energy Industry* (2009), *Weather Matters for Energy* (2014), *Weather & Climate Services for the Energy Industry* (2018). He is the main author of the UN-led Global Framework for Climate Services (GFCS) Energy Sector implementation plan. He attended the May 2015 WMO Congress as an invited expert on energy sector matters and he is regularly invited internationally to give talks on energy and climate. He is the convener of the International Conference Energy & Meteorology (ICEM) series. Alberto holds a PhD in physical oceanography from the University of Edinburgh (UK).

Summary of the Class

- The importance of the climate-energy nexus: examples of climate connections between energy and other sectors and how the Global Framework for Climate Services (GFCS) plays a crucial role.
- The C3S Climate Data Store: How it works and opportunities for developers and experts.
- C3S European Climatic Energy Mixes (ECEM) Demonstrator: An example of visual application for end-users.



- SECLI-FIRM EU H2020 Project – the Added Value of Seasonal Climate Forecasting for Integrated Risk Assessment: how using improved climate forecasts, out to several months ahead, can add practical and economic value to decision-making processes and outcomes in both the energy and water sectors.



Resources for Further Learning

- The World Energy & Meteorology Council (WEMC) - <http://www.wemcouncil.org/wp/about/>
- The Global Framework for Climate Services – Energy - <http://gfcs.wmo.int/Energy>
- UN CC:Learn offers free online courses on climate change. To know more about climate information and services and their application to decision-making, check out our dedicated **e-tutorial**, as well as other e-learning resources on climate change related topics on: www.uncclearn.org. UNITAR and the GFCS Office also offer an e-tutorial for national experts, available at: <http://gfcs.wmo.int/node/805>.
- The C3S European Climatic Energy Mixes (ECEM) Demonstrator: <http://ecem.wemcouncil.org>
- The SECLI-FIRM EU H2020 Project: <http://www.secli-firm.eu/>

About UN CC:Learn

UN CC:Learn is a partnership of more than 30 multilateral organizations supporting countries to design and implement systematic, recurrent and results-oriented climate change learning. UN CC:Learn contributes to the implementation of Article 6 of the UNFCCC on training, education and public awareness-raising, and the 20122020 Doha Work Programme. The Secretariat for UN CC:Learn is provided by UNITAR. Funding for UN CC:Learn is provided by the Swiss Government and UN partners.

About SDC

The Swiss Agency for Development and Cooperation (SDC) is Switzerland's international cooperation agency within the Federal Department of Foreign Affairs (FDFA). In operating with other federal offices concerned, SDC is responsible for the overall coordination of development activities and cooperation with Eastern Europe, as well as for the humanitarian aid delivered by the Swiss Confederation.

About WMO

As a specialized agency of the United Nations established in 1950, the World Meteorological Organization (WMO) is dedicated to international cooperation and coordination on the state and behaviour of the Earth's atmosphere, its interaction with the land and oceans, the weather and climate it produces, and the resulting distribution of water resources.

About WEMC

The World Energy & Meteorology Council (WEMC) is a non-profit organization devoted to promoting and enhancing the interaction between the energy industry and the weather, climate and broader environmental sciences community. Working together with a large number of stakeholders, WEMC organizes and implements recommendations from the International Conferences Energy & Meteorology (ICEMs).

