

Environmental Meteorology: From the Fundamentals of Climate to Operational Applications

ICTP & University of Trento Seminar Series

Overview

This series of lectures is a new joint initiative between the Earth System Physics group at ICTP and the Atmospheric Physics group at the University of Trento. They present the current state of research and operational implementation of all areas of weather and climate, past, present and future, and span basic theory, idealized and realistic modelling, through to applications of climate and weather in sectors that include the health, agriculture, energy and the economy.

These seminars are open to all those with an interest in climate and weather and also contribute to the training offered to ICTP pre-PhD [diploma programme](#) that provides scholarships to developing country students to and [The Master of Science programme in Environmental Meteorology](#) offered by the University of Trento and the University of Innsbruck, Austria.

Organizers

[Adrian Tompkins](#) (ICTP) and [Simona Bordoni](#) (Trento)

Registration

Participants are required to register in advance at:

<https://zoom.us/meeting/register/tJ0lcuyurDMrEtbP9f16GRLzqF1AiT7PHN7>.

After registering, you will receive a confirmation email containing information about joining the meeting.

Jump to Seminar

- [25/02/2021](#) Angela Benedetti @ ICTP "The role of aerosols in the predictability at the S2S scale"
- [04/03/2021](#) Massimo Bollasina @ University of Trento "Improving our mechanistic understanding of the regional climate response to anthropogenic aerosols"
- [11/03/2021](#) Allison Wing @ ICTP "Convective Self-Aggregation and Climate Sensitivity in a Multi-Model Ensemble of Radiative-Convective Equilibrium Simulations"
- [18/03/2021](#) Ioana Colfescu @ University of Trento "The role of atmospheric weather noise in forcing the Atlantic Multidecadal Variability"
- [25/03/2021](#) Tamma Carleton @ ICTP "Using economics and big data to measure the costs of climate change"
- [08/04/2021](#) Ivana Stiperski @ University of Trento "Extending similarity theory into complex terrain"
- [22/04/2021](#) Bertrand Carissimo @ University of Trento "Numerical modeling studies of atmospheric dispersion of pollutant around obstacles"
- [29/04/2021](#) Benjamin Devenish @ University of Trento
- [06/05/2021](#) Anna Creti @ ICTP "Wind farm revenues in Western Europe in present and future climate"
- [13/05/2021](#) Anne Jones @ ICTP "Artificial Intelligence for Climate Impacts"
- [20/05/2021](#) Veronika Huber @ ICTP "Climate impact on cold- and heat-related mortality in cities"
- [27/05/2021](#) Gianni Tinarelli @ University of Trento
- [03/06/2021](#) Massimo Cassiani @ University of Trento