Call for Applications

EAERE-ETH European Winter School

in Resource and Environmental Economics
Uncertainty and Dynamics in Environmental Economic Modeling

January 28 to February 2, 2018 in Ascona, Switzerland

http://www.eaere-eth-european-winter-school.ethz.ch/

DEADLINE FOR APPLICATIONS: SEPTEMBER 15, 2017

The Swiss Federal Institute of Technology Zurich (ETH Zurich) and the European Association of Environmental and Resource Economists (EAERE) are pleased to announce the first EAERE-ETH Winter School in Resource and Environmental Economics for postgraduate students.

The School will take place from January 28 to February 2 at Monte Verità in Ascona, Switzerland. The topic covered by the 2018 Winter School is **Uncertainty and Dynamics in Environmental Economic Modeling**.

Many environmental and resource problems are not only of a long-run nature but are also subject to inherent uncertainty which arises on different levels and works through a multitude of channels. Uncertainty about climate change, technological development and future regulation are just a couple of examples. By impacting agent's decision making, uncertainty also has important feed-back effects on the level as well as the dynamics of optimal environmental policies. The aim of the Winter School is to provide students with the toolkit required to expand their own research to stochastic control problems and to study the intersection between economic dynamics, uncertainty, and the environment.

The School will first provide students with an overview of the problems and methods addressed. This encompasses the presence and effects of dynamic and stochastic processes in environmental and resource economics as well as the interaction of the environmental and economic spheres. Students will learn to apply methods from stochastic control theory (Wiener and Poisson processes) to dynamic settings of environmental economics. Further sessions will be devoted to selected applications from modern resource, environmental and energy economics.

The course material will be presented in lectures on methodology and applications. Students will work supervised on tailored exercises and receive valuable feedback on their work from fellow students and from the School professors.

FACULTY AND LECTURE TOPICS

Lucas Bretschger, CER-ETH – Center of Economic Research at ETH Zurich

Topics: Resources, Endogenous Growth, and Climate Risks

Christiane Clemens, Bielefeld University

Topics: Intertemporal Optimization and Portfolio Choice under Wiener Uncertainty

Karen Pittel, Ludwig-Maximilians-University and ifo Institute

Topics: Environmental Policy Design under Uncertainty

Katheline Schubert, Paris School of Economics

Topics: Biodiversity and Energy Transition

Alexandra Vinogradova, CER-ETH – Center of Economic Research at ETH Zurich

Topics: Decision Making under Poisson Uncertainty

ADMISSION

The Winter School aims at Ph.D. students and Postdocs from all levels with an interest in dynamic stochastic modeling of environmental and resource problems or climate change. The Winter School aims at a highly interactive exchange of the students with experts and fellow students in the field. Students will have the opportunity to present a poster on their research, should they wish to do so.

Application is restricted to 2017 EAERE members, both European and non-European citizens.

Information on how to apply, on participation fee, and the Winter School regulations are available on the Winter School website.

Winter School Secretariat: ETH Zurich ews@ethz.ch

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CER-ETH
Center of Economic Research
at ETH Zurich