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Two short summer courses held in conjunction with WCERE 2018

June 23-25, 2018, at University in Gothenburg (GU), Sweden

APPLICATION DEADLINE: FEBRUARY 28, 2018

Course A: Spatial Analysis in Economics and the Environment

All economic activities have a spatial dimension, which is particularly relevant in the interface between the economy and the environment. However this dimension is rarely taken into account when designing economic policies. This course aims to expose the students to spatial methods of analysis and provide an overview of how these methods can be used to improve economic policy advice. It will make available the most recent methodologies when it comes to the application of remote sensing and other data sources for economic analysis of environmental problems. The course consists of two parts. The first part of the course addresses ways to model spatial heterogeneity and dynamics along with examples of how these methods can be applied to e.g. policies for fisheries and urban expansion. The second part of the course presents more applied empirical methods for incorporating space in economic studies using tools like Google Earth Engine. Applications discussed could include spatially explicit valuation studies, assessments of the impacts of storms and the use of night time lights data.

The instructors in the course are:

- Assoc. Prof. Anne-Sophie Crépin (*The Beijer Institute of Ecological Economics, Stockholm, Sweden*) *Course leader and lecturer.*
- Asst. Prof. Efthymia Kyriakopoulou (*Swedish University of Agricultural Sciences, Uppsala*) *Course leader and lecturer*
- Prof. Ian Bateman (*University of Exeter, UK*) *Lecturer to be confirmed*
- Jeremy Proville (*Environmental Defense Fund, New York*) *Lab sessions*
- Prof. Elizabeth Robinson (*University of Reading, UK*) *Lecturer*
- Prof. Jim Wilen (*University of California Davis, US*) *Lecturer*
- Prof. Anastasios Xepapadeas (*Athens University of Economics and Business, Greece and University of Bologna, Italy*) *Lecturer*

Course B: Application of experimental methods in climate policy

Climate change is to a large extent a result of human behavior. The objective of this course is to expose students to experimental economics methods and to provide an overview how these methods can be used to evaluate the effect of different climate policies. The course consists of

three parts. The first part of the course provides an introduction to experimental economics methods including both field and laboratory experiments. In the second part, there will be an overview of behavioral and experimental research related to climate change including topics such as provision of public goods, common-pool resource extraction, climate negotiation, time preferences, social norms and social preferences. The final part of the course introduces the use of laboratory and field experiments as a tool to study and evaluate climate policies aimed at changing human behavioral.

The course is designed to combine traditional lectures with hands-on experience of designing, conducting and analyzing lab and field experiments on climate policy interventions.

The instructors in the course are:

- Prof Peter Martinsson, (*University of Gothenburg*), *Course leader and lecturer.*

More lecturers to be announced.

Venue and target audience

The course will be held at the School of Business, Economics and Law, in Gothenburg, immediately before the 2018 World Congress of Environmental and Resource Economists (<http://www.eaere-conferences.org/>). Its target audience is researchers, policy analysts, and policy makers from developing countries who have received their PhD within the past 7 years. Researchers who work on policy-relevant issues, and policy analysts and policy makers with research backgrounds who wish to learn advanced theory and methods related to economic aspects of ecosystem services, are especially welcome to apply. If space allows, then advanced PhD students and researchers holding MSc degrees will also be considered.

Cost and scholarships

For participants from OECD countries, there is a fee (Euro 200) to cover local costs (including lunches and a course dinner). For participants from the Global South the Swedish International Development Cooperation Agency (Sida) offers scholarships through the Environment for Development Initiative. These will cover roundtrip airfare, lodging during the course and the World Congress as well as the registration fee for the WCERE. Participants will be responsible for any remaining costs. Scholarships will be allocated preferentially to researchers from the regional environmental economics networks CEEPA, EEPSEA, LACEEP, SANDEE, and Efd, who have a paper accepted for presentation at the WCERE.

Application

The application deadline is February 28, 2018. An application consists of a single document that contains the following information:

1. Brief statement (up to 200 words) of your research interests and your topic of work and why you would like to take the course
2. Title, list of authors of paper submitted to WCERE 2018
3. Description of prior involvement (if any) with CEEPA, EEPSEA, LACEEP, SANDEE, or Efd
4. List of any statistical or GIS software (for example, Stata, R, ArcMap) that you have used, and/or any programming languages, including a short statement of your level of experience
5. Statement of whether you are requesting a travel scholarship
6. Current CV of a maximum of 2 pages

Applications should be sent to Spatial_analysis_summer_course@economics.gu.se or

[Climate and behavioural economics summer course@economics.gu.se](mailto:Climate_and_behavioural_economics_summer_course@economics.gu.se) .

For information on the **course content**, please contact:

Spatial Analysis in Economics and the Environment:

Efthymia Kyriakopoulou
Efthymia.kyriakopoulou@slu.se
Swedish University of Agricultural Sciences

Application of experimental methods in climate policy:

Peter Martinsson
Peter.martinsson@economics.gu.se
University of Gothenburg

For information regarding **travel grants**, please contact:

travelgrants-WCERE-2018@economics.gu.se

The number of participants will be limited to **25 per course**. Notification will be given at the end of March. All applicants who are accepted to the courses will be required to register for WCERE 2018 by May 8, 2018.

Partners

The course is organized by the Beijer Institute of Ecological Economics (Royal Swedish Academy of Sciences, Stockholm, Sweden; www.beijer.kva.se) and the Environmental Economics Unit of the Department of Economics, University of Gothenburg. It is financially supported by the Swedish International Development Cooperation Agency (Sida) through the Environment for Development Initiative.