

ADAPTATION GOVERNANCE: SPATIAL, TEMPORAL AND CULTURAL CONSTRAINTS AND OPPORTUNITIES

JUNE 26 – JULY 4, 2013 BUDAPEST, HUNGARY

The summer school will combine a blend of theoretical and practical sessions focused on spatial, historical and cultural aspects of adaptation and adaptive governance. Both natural and social science streams will be explored, with emphasis on multi- and trans-disciplinary perspectives and the demonstration of policy and management implications. To achieve this, we invited several leading scientists in the field from Europe but also beyond, renowned for their cross-disciplinary research. We will complement this with a selection of participants from different backgrounds and disciplines who have ongoing work in the field of on adaptation to global change. The program will provide rich opportunities to connect with local and regional adaptation initiatives.

Course Directors:

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Additional Faculty:

Sybille van den Hove, MEDIAN SCP, Barcelona, Spain / Institute of Environmental Sciences and Technologies (ICTA), Universitat Autònoma de Barcelona;

Maria Falaleeva, Coastal and Marine Resources Centre, University College, Cork, Ireland;

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Objectives

At a time of well-documented, unavoidable and continuing global change adaptation has become a key concept in environmental and related social sciences, and also in policy processes on a variety of scales. Many sectors, such as forestry, biodiversity conservation, water and coastal management, agriculture and infrastructure development need information about the current state and future dynamic of ecosystem conditions, potential ecosystem-based adaptations, and relevant policies and governance mechanisms enabling such adaptations. This is a field of research and practice on the boundary of natural, social and policy sciences where ecosystem complexity meets the complexity of social systems. The challenge of such collaborations and policy development require not only navigating through complex issues with high levels of uncertainty in physical and ecological processes, but also accounting for the diversity of potential human choices and decisions of multiple stakeholders. Diversity of spatial, temporal and cultural issues - specific in each local case - only adds to the overall complexity.

The purpose of this Summer School is to bring together selected scholars and participants from a variety of relevant academic and professional backgrounds related to ecosystem vulnerability. It is an opportunity for participants actively engaged in adaptation related research to meet and to have an informed dialogue, about the field of their diverse academic inquiries with leading researchers and practitioners and with each other. The range of topics will include integrated vulnerability monitoring and assessment, resilience analysis, ecosystem services valuation, scenario building and analysis, adaptive policy development and management and institutional aspects of ecosystem adaptation. The

course will provide practical learning opportunities for the participants supported by a number of expert-led sessions on theoretical concepts, tools and methods and case studies to demonstrate their relevance for policy-making.

Participant Profile

Course participants shall meet the following criteria:

- hold a positions at a university, research centre, consultancy, a research-oriented NGO or an international organisation;
- have an MSc / MA or PhD degree or equivalent and in the case of an MSc / MA also at least two years of research or/and teaching at the graduate level or be enrolled in PhD studies;
- have demonstrable achievements in research and / or curriculum development;
- demonstrate good communication skills.

The language of instruction is English, thus all applicants have to demonstrate a strong command of spoken and written English to be able to participate in the program.

Contents of the course and teaching methods

The face-to-face program in Budapest will be preceded by a distance learning element. Participants will be expected to complete course readings and familiarize themselves with the profiles of other course participants in order to develop some preliminary ideas of possible collaboration. By the beginning of the course the students will also send their bios. The bios will be compiled and circulated in advance to both faculty and participants. Most of the readings will be available from the course e-learning page from early May 2013; by the end of May all the reading materials will be uploaded.

The geographical focus of the school will be mainly on Europe, drawing on the range of case studies – from North-West Europe to countries of former USSR representing diversity of political, social and environmental settings. The region of Central and Eastern Europe will be given a special attention too, as long as this is the geographical location of the school and area of particular expertise of the school faculty.

The School program includes talks, seminars, moderated discussions and both supervised and independent group work. We recognize that in courses like this one, a significant portion of learning outcomes will come from in-class discussions between the participants, who represent a variety of academic and professional background and experience and come from all over the world. To trigger and enhance such interactions we will organize lunch seminars where participants will have a space for presenting their research and/or discussing topics of particular interest. We also recognize value of individual/small group interactions with the faculty. All the professors will be available for formal and informal consultations.

The following topics will be covered during the course:

- Changes in the physical system and their modeling (with a particular focus on uncertainties and limitations) by *Hans-Peter Nachtnebel*;
- Origin, concepts and terminology of adaption management; ecosystem governance and institutional misfit; valuation of ecosystem services; formulation and implementation of adaptation policies in local communities by *László Pintér*;

- Managing adaptation at different levels – integrating novel approaches and existing governance systems; adaptive co-management for local climate adaptation; multilevel governance of natural resources by *Maria Falaleeva*
- Environmental history perspective on global change and adaptation by *Verena Winimarter*;
- Global efforts addressing issues of adaptation, international governance of adaptation and Sustainable Development Goals (SDG); institutional framework for sustainable development by *Ruben Zondervan*;
- Conceptualisation of socio-economic transformations and transition of environmental governance (a particular focus will be on former USSR in the context of post-communist transformations) by *Ruben Mnatsakanian*;
- Scenario building, including spatially explicit exercises by *Maria Falaleeva and Anton Shkaruba*;
- Forest adaptation: analysis of spatial, temporal and functional mismatches; institutional inertia and legacy effects by *Anton Shkaruba*;
- Spatially-explicit analysis of biophysical and governance systems and creation of the integrative perspective on social-ecological systems by *Anton Shkaruba*;
- Biodiversity governance: policy process and ethical perspective by *Sybille van den Hove*;
- Environmental governance analysis and mapping: a Deep Sea perspective by *Sybille van den Hove*;
- Introduction to adaptation and adaptive governance in Central and eastern Europe by *Ruben Mnatsakanian and Anton Shkaruba*
- “How to write a good academic paper” – skills training workshops and discussions by *Sybille van den Hove, Ruben Zondervan and Verena Winimarter*

Thematic sessions will typically be one day in length. Participation in the discussions will require some prior knowledge of the issues raised in the presentations. Course participants will receive readers two months before the course begins. Presentations of detailed paper outlines and their discussion will take place on the last day.

The venue

The venue for most session will be the main campus of the Central European University (CEU) in the heart of Budapest. The University occupies a block of modern and historical buildings in downtown Pest, a two-minute walk from St. Stephen Cathedral and the Eastern bank of the Danube right across from Castle Hill which has UNESCO’s World Heritage Site designation. Hungary’s Parliament, National Museum, and a countless number of other attractions and restaurants are within minutes of walking distance.

CEU’s main building has been recently renovated and has high quality facilities and technology. During the school the participants will have access to CEU’s library, printing/photocopying facilities, e-resources and campus-wide wireless network. Accommodating can be provided at the CEU Residence and Conference Centre about half an hour travel from the campus at special summer university rates.

The application procedure

Application materials need to be submitted electronically by **March 1, 2013**. An overview of the application procedure is available from http://www.summer.ceu.hu/sites/default/files/course_files/application_files/How%20to%20apply%20Adaptation%201.pdf