



**CASEE-Conference**  
**“The EU Strategy for the Danube region – with specific emphasis on  
Land and Water Management and the Environment”**  
**April 28<sup>th</sup> – 29<sup>th</sup>, 2011, St. Istvan University. Gödöllő. Hungary**

**Under the patronage of Dr. Johannes Hahn, EU Commissioner for Regional  
Policy**

**PROGRAMME:**

**28.4.2011:**

9:00 - 9:30 am: Welcome and registration

9:30 am: **Welcome by Rector Solti**, Szent István University

9:35 am: **Welcome by Rector Gerzabek**, CASEE President

9:40 am: **Welcome by Ambassador Dr. Pfanzelter**, Secretary General of the  
Central European Initiative (CEI)

9:50 am: **Welcome by Paul Egerton**, ESF

10:00 am: **Welcome by Etelka Barsi-Pataky**, Government Commissioner for  
the EU Strategy for Danube Region

**Chair of the morning session:** Prof. László Solti, Rector of Szent István University,  
Gödöllő

10:10 – 10:55 am Keynote presentation on **the EU strategy for the Danube region**  
(by **Dr. Erhard Busek**, former Austrian minister of science and president of  
the Institute for the Danube and Central Europe, consultant to EU  
Commissioner Hahn).

10:55 – 11:40 am: Keynote presentation on **“Future Waters in the Danube Basin:  
Problems and Opportunities”** (by **Prof. László Somlyódy**, member  
of the Hungarian Academy of Sciences, from the Budapest University of  
Technology and Economics)

11:40 – 12:10 am: Presentation on **the Ecological situation of the Danube Region  
and its relevance for Life Sciences** (Prof. Waidbacher, BOKU)

12 – 13:30 pm: Lunch with **poster presentations**: thesis presentations from PhD  
students and suggestions for projects from CASEE members; all related to  
land and water management and the environment (during the lunch break, all  
participants can walk through the poster exhibition and have a look at all the  
posters and talk to the presenters and discuss already potential projects.

## **Poster presentations:**

1. **Assessment of nitrate and phosphorus contamination in shallow groundwater aquifer in association with hydrogeological conditions and land use** (Vilim Filipovici, Dragutin Petošići, Zoran Nakiciz – University of Zagreb)
2. **Effects of Watershed Configuration and composition on Downstream Lake Water Quality** (Zsolt Gémesi et.al, St. Istvan University)
3. **Electrochemical Hydride Generation for Mercury Determination in Different Water Samples from Germany Coupling with MSP-OES Techniques** (Mark Horváth and Vaclav Cerveny, St. Istvan University)
4. **Role of Non-Conventional Energy Sources in Supplying Future Energy Needs** (Mark Molnar and Erika Dobó, St. Istvan University)
5. **Set-aside fields in Hungary: are they beneficial for farmland biodiversity?** (Anikó Kovács-Hostyánszki and András Báldi, St. Istvan University)
6. **The main trends in biological control: an analysis of papers published in the journal Biological Control** (Krisztina Bereczki, András Báldi, St. Istvan University)
7. **Development of soil properties and functions in the Danube floodplain with time - results from a chronosequence study in the national park Donau-Auen in Austria**, Martin Gerzabek et.al
8. **Time Variations of Rainfall Erosivity Factor in the Czech Republic**, Janeček Miloslav, Kobzová Dominika, Procházková Eva
9. **Determining the volume of design flood waves on small catchments**; Pavel Kovář, Michaela Hrabalíková, Darina Vaššová
10. **Determination of erosion areas using aerial photographs and GIS, a case study Žarošice**; Michaela Hrabalíková, Dominika Kobzová, Marie Kudrnáčová, Eva Procházková
11. **The causes and the consequences of farmland fragmentation**; Vratislava JANOVSÁ
12. **Urbanization of the landscape: the causes and the consequences**, Katerina ZIMOVA
13. **Crown condition of coniferous species as an indicator of forest disturbances**. (Yulia Yanko, MSc student)
14. **The role of market based instruments in the implementation of Natura 2000 in Austria**; Maria Geitzenauer
15. **The 2010 flooding in the Vistula valley between Warsaw and Plock, Poland: environmental conditions and geomorphological effects**. Grzegorz Wierzbicka, Michal Mazgajskib
16. **Watershed and Primary Terrain Characteristics Modelling of the Small River Basin**, Ing. Peter Bašta.
17. **Stem curve modeling using spline functions**. Karel Kuzelka
18. **Time consumption related to plantation of broad-leaved saplings produced by innovative nursery technology**, Millerová Katerina
19. **Assessment of operational and agro-technical soil conservation measures to mitigate the effects of floods: model estimates for the Rakovnický potok Basin, Czech Republic**. Stepan Vizina, Jiri Pavlasek
20. **Implementtion of Eurocode 7 to engineering practise in Poland by elearning**, mgr in. Anna Lada
21. **Contribution to use of mechanical soil conservation practices in conditions of the Czech Republic**; Marie Kudrnáčová, Václav Kadlec, Tomáš Dostál, Josef Krása
22. **Viability of Phytophthora alni subsp. alni isolates exposed to low temperatures in vitro**: Filipová, Nela; Černý, Karel; Havrdová, Ludmila
23. **protection against Cirsium arvense L. (Scop.)**; KRISZTINA SZABÓ – PÉTER REISINGER
24. **FLORISTIC AND PEDOLOGICAL STUDY OF THE SERPENTINE SITES OF BERNSTEIN-KIENBERG**; KRISZTINA SZABÓ – PÉTER SZABÓ – ANDRÁS HALBRITTER – PÉTER FARKAS – ZSOLT MOLNÁR
25. **LANDSCAPE MANAGEMENT PRACTICAL IN TARA NATIONAL PARK CASE STUDY – VILLAGE JAGOŠTICA**; IVANA GUDURIC and JELENA TOMIĆEVIĆ
26. **Environmentally compatible N fertilizer, using OptRx™ sensor**, Barbara

Mogyorósi\* – István Gergely – Rezső Schmidt

27. **The Influence Of Different Levels Of Fertilization And The Attack Degree Of Diseases, Upon The Protein Content Of Alfalfa**, Florian Constantin Vasile, Rotar Ioan, Florian Teodora

28. **Photoperiod Influence Upon Potato Tuber Fertility**, Moldovan Cristina, Morar Gavrilă, Vâtcă Sorin, Todoran Camelia

29. **Mathematical Modeling Of Temperature During The Baking Process Of Bread**, David Adriana - Paula, Burnete Nicolae

30. **A Review Of The Genetic Diversity Study Of Romanian Vitis Vinifera L. Cultivars By Molecular Markers**, Pamfil Doru, Hârta Monica, Pop Rodica, Pop Iulia Francesca

31. **The Improvement Of Ornamental Geophytes Collection Of Usamv Cluj-Napoca With Belamcanda Chinensis Varieties**, Buta Erzsebet, Cantor Maria, Buta Mihai

32. **Degraded Urban Recreational Areas - Landscaping And Restoration Of Municipal Pool Cluj-Napoca**, Nistor Cristian- Rares, Pop Paunita Iuliana, Dumitras Adelina, Darja Marcel

33. **The Influence Of Some Phytoadditives On Growth Performances In Rainbow Trout (Oncorhynchus Mykiss)**, Gabor Erol-Florian, Sara Aurel

34. **Cryopreservation Of Immature Swine Oocytes With Different Concentrations Of Cryoprotector In The Vitrification Media**, Hettig Andrea, Miclea Vasile, Zăhan Marius, Roman Iulian, Miclea Ileana, Varo-Ghiuru Florin, Rusu Alexandru

35. **The Influence Of The Farming System Technology On The Chemical Composition Of Rainbow Trout (Oncorhynchus Mykiss) Meat**, Cocan Daniel, Mireșan Vioara

36. **Plant diversity and nutritive value of meadows and pastures on the Cicarija mountainous plateau (Istria. Croatia)** – (Ivana Vitasovic Kosic, Mihaela Britvec, Darko Grbeša, Ivica Ljubičić – University of Zagreb)

13:30 – 15:00 pm: **Presentations on running / suggested educational and other projects** in the CASEE countries

**Chair:** Prof. Leopold MÄRZ; BOKU

1. **Academia Danubiana: Spatial Planning and the learning region concept** (Prof. em. Werner Kvarda, BOKU)

2. **The Role of Expert Teachers in Education - Quality Improvement at the Faculty of Agriculture** (Prof. Ramona Franić, University of Zagreb)

3. **Potentials of CASEE universities for the common research projects and papers** (VR Michal Lostak, Lukas Zagata, Czech University of Life Sciences Prague)

15:00 – 15:30 pm: Coffee break

15:30 – 17:00 pm: Start of the workshops to discuss project ideas in the area of education, research and structural projects (**2 parallel workshops on research topics “Water” and “Biodiversity and Natural Resources”**)

**Chair of the Water workshop:** Prof. Pavel Kovar (CULS); Co-Chair: VR Prof. Banasik (WULS)

**Presentations:**

1. **How to Mitigate Harmful Impact of Floods - Case Study of Flood Impact Mitigation**

**on the Nemcicky Catchment, Czech Republic** (Prof. Pavel Kovar, CULS Prague)

2. **Scientific base for determination of Nitrate Vulnerable Zones in Croatia** (Davor Romić<sup>1</sup>, Milan Mesić<sup>2</sup>, Stjepan Husnjak<sup>3</sup>, Zdenko Lončarić<sup>4</sup>, Milan Poljak<sup>5</sup>- University of Zagreb)

3. **A NEW LINKAGE APPROACH TO THE RIVER ECONOMIC COMPLEX DEVELOPMENT** (Daniel Yordanov Pavlov, PhD, University of Ruse “Angel Kunchev”, Bulgaria)

**4. CHALLENGES AND OPPORTUNITIES THE AGRICULTURAL INSURANCE INDUSTRY**

**FACING WITH IN RELATION TO CLIMATE CHANGE** (Anna Lorant, Maria Fekete, St Istvan University)

**5. Climate or land use change – identification of future main factor influencing water**

**management. Narew River Basin case study** (Tomasz Okruszko, Mikolaj Piniewski, Marek Gielczewski, Mateusz Stelmaszczyk, Warsaw University of Life Sciences)

**6. Possibilities of Flood Forecasting in the Small Headwater Catchments: Case Study**

**in the Czech Republic**, Petr Maca

**7. Trace metals in agricultural soils of the Danube River tributary basins in Croatia**, Helena Bakic & Marija Romc

**Chair of the “Biodiversity and Natural Resources” Workshop:** Prof. Doru Pamfil, Rector of USAMV Cluj Napoca; Co-Chair. Prof. Mesic, Vice-Dean of FAZ University of Zagreb

**Presentations:**

**1. Introducing of native broadleaves to mountain coniferous stands under harsh environmental conditions** (Ivan Kuneši, Martin Baláši, Pavel Burda, Katerina Millerová, Dušan Kacalek, Jarmila Nárovcová, Ondrej špulák, Vratislav Balcar – CULS Prague)

**2. Effect of hydrogenic habitats restoration in strongly urbanized landscape** (Daria Sikorska, Piotr Sikorski, WULS)

**3. Vegetation structure of oxbow lakes along urban-rural gradient – Case study of Warsaw, Poland** (Piotr Hewelke, Daria Sikorska, Piotr Sikorski)

**4. Study on environmental effects of abandoned mine lands with chemical extraction**

**methods** (Eva Horváth, Gyozo Jordán, András Bartha, Márk Horváth, György Heltai – St. Istvan University)

**5. Rural Development in Istria – PRIMA project based preliminary** (Mario Njavro, Ramona Franic, Tihana Ljubaj, Marija Romc – University of Zagreb)

17:30-18:30 bus trip to the Danube river side of Budapest

18:30 pm: Conference dinner on cruise ship including short sightseeing information

**29.4.2011:**

9 – 11 am: Continuation of the **workshops “Water” and “Biodiversity and Natural Resources”** (2 parallel workshops)

11:00 – 11:45 am: Presentation of **Workshop results** and of the plenary session **“Suggested projects”**

**Chair:** Prof. Martin Gerzabek, Rector of BOKU

12 – 1:30 pm: **Lunch** (poster tour can be continued)

1:30 – 3:00 pm: **CASEE General Assembly** (a detailed agenda will be sent out well in advance, but it will e.g. include: Information on CASEE activities, new members, fund for incentives; presentation from the ICA secretary General etc.)