



SZENT ISTVÁN  
UNIVERSITY

*eu*  
2011.hu

**CASEE**

Central and South Eastern Europe

## CASEE CONFERENCE

“THE EU STRATEGY FOR THE DANUBE REGION  
- WITH SPECIFIC EMPHASIS ON  
LAND AND WATER MANAGEMENT AND THE  
ENVIRONMENT”

APRIL 28-29, 2011  
SZENT ISTVÁN UNIVERSITY  
GÖDÖLLŐ, HUNGARY



MINISTRY  
OF RURAL DEVELOPMENT

EUROPEAN  
SCIENCE  
FOUNDATION  
SETTING SCIENCE AGENDAS FOR EUROPE



MINISTRY  
OF NATIONAL RESOURCES



# CASEE CONFERENCE

“THE EU STRATEGY FOR THE DANUBE REGION

- WITH SPECIFIC EMPHASIS ON  
LAND AND WATER MANAGEMENT AND THE  
ENVIRONMENT”

APRIL 28-29, 2011  
SZENT ISTVÁN UNIVERSITY  
GÖDÖLLŐ, HUNGARY

## OFFICIAL PROGRAMME

***April 28, 2011 (Thursday)***

***Morning Session (Aula)***

Chair: **Prof. László SOLTI**, Rector of Szent István University, Gödöllő

8:30/8:50 Minibus pickup at Erzsébet Királyné Hotel

9:00–9:30 Welcome, Registration and Coffee

9:30 Welcome by **Prof. László Solti**, Rector of Szent István University

9:35 Welcome by **Prof. Martin Gerzabek**, CASEE President, Rector of BOKU

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

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


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

10:10–10:55 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 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 Presentation on the Ecological situation of the Danube Region and its relevance for Life Sciences (by **Prof. Herwig Waidbacher**, BOKU)





12:10–13:30 Lunch with poster presentations in the **Ground Floor Rector's Meeting Hall**: 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 the posters and talk to the presenters and discuss potential projects)

### ***Afternoon Session (Aula)***

Chair: Prof. Leopold MÄRZ; BOKU

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

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 (**ing. Ivona Filipović**, University of Zagreb)
3. Potentials of CASEE Universities for the Common Research Projects and Papers (**Vice-Rector Michal Lostak**, **Prof. Lukas Zagata**, Czech University of Life Sciences Prague)

15:00–15:30 Coffee break

15:30–17:00 Thematic workshops discussing project ideas in the areas of education, research and structural projects (2 parallel workshops on research topics “Water” and “Biodiversity and Natural Resources” Please see details of the workshops later in this brochure)

**Please note that there will not be time to go to your hotel before departure to Budapest.**

17:30–18:30 Bus trip to the Danube riverside in Budapest

18:30 Boarding Dinner Cruise on Danube River

19:00–21:00 Dinner Cruise on Danube River

21:30 Boarding bus to return to Gödöllő

### ***April 29, 2011 (Friday)***

9:00–11:00 Continuation of the workshops “Water” and “Biodiversity and Natural Resources”

### ***Final Session (Aula)***

Chair: Prof. Martin GERZABEK, Rector of BOKU

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

12:00–13:30 Lunch (poster tour can be continued)

13:30–15:00 CASEE General Assembly

15:00 Closing Remarks





# WORKSHOP 1: “WATER”

(GROUND FLOOR RECTOR’S MEETING HALL)

Chair: **Prof. Pavel KOVAR**, Czech University of Life Sciences, Prague

Co-Chair: **Prof. Kazimierz BANASIK**, Vice Rector, Warsaw University of Life Sciences

## Presentations:

1. **How to Mitigate Harmful Impact of Floods - Case Study of Flood Impact Mitigation on the Nemcicky Catchment, Czech Republic** (Pavel KOVAR, Darina VASSOVA; *Czech University of Life Sciences, Prague*)
2. **Water Protection Actions in the Danube Region Strategy - Expectations and Facts** (László PERGER, *Central Directorate for Water and Environment*)
3. **Danube Region Strategy - Managing Environmental Risks** (Péter BAKONYI, VITUKI *Environmental Protection and Water Management Research Institute Ltd.*)
4. **A New Linkage Approach to the River Economic Complex Development** (Daniel YORDANOV PAVLOV; *University of Ruse “Angel Kunchev”, Bulgaria*)
5. **Climate or Land Use Change – Identification of Future Main Factors Influencing Water Management. Narew River Basin Case Study** (Mikolaj PINIEWSKI, Tomasz OKRUSZKO, 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 MÁCA, Jana ŘEDINOVÁ, Jirka PAVLÁSEK, Vojtěch HAVLÍČEK, Pavel PECH; *Czech University of Life Sciences, Prague*)
7. **Trace Metals In Agricultural Soils of the Danube River Tributary Basins In Croatia** (Helena BAKIC, Marija ROMIC; *University of Zagreb*)





## WORKSHOP 2: “BIODIVERSITY AND NATURAL RESOURCES”

(SECOND FLOOR FACULTY MEETING HALL)

Chair: **Prof. Doru PAMFIL**, Rector of USAMV Cluj Napoca

Co-Chair: **Prof. Milan MESIĆ**, Vice-Dean of FAZ University of Zagreb

### Presentations:

1. **Reintroducing Native Broadleaves to Mountain Coniferous Stands Under Harsh Environmental Conditions** (Ivan KUNEŠ, Martin BALÁŠ, Pavel BURDA, Kateřina MILLEROVÁ; *Czech University of Life Sciences, Prague*)
2. **Effect of Hydrogenic Habitats Restoration in Strongly Urbanized Landscape** (Daria SIKORSKA, Piotr SIKORSKI; *Warsaw University of Life Sciences*)
3. **Vegetation Structure of Oxbow Lakes along Urban-Rural Gradient – Case Study of Warsaw, Poland** (Piotr HEWELKE, Daria SIKORSKA, Piotr SIKORSKI, J. CHWEDORUK; *Warsaw University of Life Sciences*)
4. **Rural Development in Istria – PRIMA project based preliminary** (Mario NJAVRO, Ramona FRANIĆ, Tihana LJUBAJ, Marija ROMIĆ; *University of Zagreb*)
5. **Scientific Base for Determination of Nitrate Vulnerable Zones in Croatia** (Milan MESIĆ, Davor ROMIĆ, Stjepan HUSNJAK, Zdenko LONČARIĆ, Milan POLJAK; *University of Zagreb*)
6. **Challenges and Opportunities the Agricultural Insurance Industry is Facing in Relation to Climate Change** (Mária FEKETE, Anna LÓRÁNT; *Szent István University, Gödöllő*)





## POSTER PRESENTATIONS

(GROUND FLOOR RECTOR'S MEETING HALL)  
OPEN TO VISITORS DURING THE LUNCH BREAK ON BOTH DAYS

### WATER

- 1. Watershed and Primary Terrain Characteristics Modelling of the Small River Basin,** Petr BAŠTA, Petr MÁCA, Aleš BALDVIŇ, Pavel PECH; *Czech University of Life Sciences, Prague*
- 2. Floodplain Restoration and the Effects on Nutrient Cycling in River Systems: Examples from the Danube River Basin,** Elisabeth BONDAR-KUNZE, Nina WELTI, Stefan PREINER, Iris SCHÖNBRUNNER, Istvan ZSUFFA, Thomas HEIN; *WasserCluster Lunz, Inter-university Center for Aquatic Ecosystem Research, Lunz am See*
- 3. Assessment of Nitrate and Phosphorus Contamination in Shallow Groundwater Aquifer in Association with Hydrogeological Conditions and Land Use,** Vilim FILIPOVIĆ, Dragutin PETOŠIĆ, Zoran NAKIĆ; *University of Zagreb*
- 4. 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, Georg LAIR, Markus FIEBIG, Franz ZEHETNER; *University of Natural Resources and Life Sciences, Vienna*
- 5. Electrochemical Hydride Generation for Mercury Determination in Different Water Samples from Germany Coupling with MSP-OES Techniques,** Mark HORVÁTH, Václav ČERVENÝ; *Szent István University, Gödöllő*
- 6. Determination of Erosion Areas Using Aerial Photographs and GIS: a case study Žarošice,** Michaela HRABALÍKOVÁ, Dominika KOBZOVÁ, Marie KUDRNÁČOVÁ, Eva PROCHÁZKOVÁ; *Czech University of Life Sciences, Prague*
- 7. Time Variations of Rainfall Erosivity Factor in the Czech Republic,** Dominika KOBZOVÁ, Eva PROCHÁZKOVÁ; *Czech University of Life Sciences, Prague*
- 8. Determining the Volume of Design Flood Waves on Small Catchments,** Pavel KOVÁŘ, Michaela HRABALÍKOVÁ, Darina VAŠŠOVÁ; *Czech University of Life Sciences, Prague*
- 9. Impact of Changed Land Use on the Quantity and Quality of Water in the Flysch Catchments of Slovenia,** Glavan MATJAŽ; *University of Ljubljana*
- 10. 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; *Czech University of Life Sciences, Prague*
- 11. The 2010 Flooding in the Vistula Valley Between Warsaw and Plock, Poland: environmental conditions and geomorphological effects,** Grzegorz WIERZBICKI, Michal MAZGAJSKI; *Warsaw University of Life Science*






## BIODIVERSITY & NATURAL RESOURCES

- 1. The Main Trends in Biological Control: an analysis of papers published in the journal Biological Control**, Krisztina BERECZKI, András BÁLDI; *Szent István University, Gödöllő*
- 2. The Improvement of Ornamental Geophytes Collection of Usamv Cluj-Napoca with Belamcanda Chinensis Varieties**, Erzsebet BUTA, Maria CANTOR, Mihai BUTA; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*
- 3. The Influence of the Farming System Technology on the Chemical Composition of Rainbow Trout (Oncorhynchus Mykiss) Meat**, Daniel COCAN, Vioara MIREȘAN; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*
- 4. Mathematical Modeling of Temperature during the Baking Process of Bread**, Adriana - Paula DAVID, Nicolae BURNETE; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*
- 5. The Influence of Some Phytoadditives on Growth Performances in Rainbow Trout (Oncorhynchus Mykiss)**, Gabor EROL-FLORIAN, Aurel SARA; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*
- 6. Viability of Phytophthora alni subsp. alni Isolates Exposed to Low Temperatures In-vitro**, Nela FILIPOVÁ, Karel ČERNÝ, Ludmila HAVRDOVÁ; *Czech University of Life Sciences, Prague*
- 7. The Role of Market Based Instruments in the Implementation of Natura 2000 in Austria**, Maria GEITZENAUER; *University of Natural Resources and Life Sciences, Vienna*
- 8. Landscape Management Practical in Tara National Park: a case study of the village JAGOŠTICA**, Ivana GUDURIC, Jelena TOMIĆEVIĆ; *University of Belgrade*
- 9. A Review of the Genetic Diversity Study of Romanian Vitis Viniera Cultivars by Molecular Markers**, Monica HĂRTA, Doru PAMFIL, Rodica POP, Iulia Francesca POP; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*
- 10. Cryopreservation of Immature Swine Oocytes with Different Concentrations of Cryoprotector in the Vitrification Media**, Andrea HETTIG, Vasile MICLEA, Marius ZĂHAN, Iulian ROMAN, Ileana MICLEA, Miklós BOTHA; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*
- 11. The Causes and the Consequences of Farmland Fragmentation**, Vratislava JANOVSKÁ; *Czech University of Life Sciences, Prague*
- 12. Set-aside Fields in Hungary: are they beneficial for farmland biodiversity?**, Anikó KOVÁCS-HOSTYÁNSZKI, András BÁLDI; *Szent István University, Gödöllő*
- 13. Contribution to Use of Mechanical Soil Conservation Practices in Conditions of the Czech Republic**, Marie KUDRNÁČOVÁ, Václav KADLEC, Tomáš DOSTÁL, Josef KRÁSA; *Czech University of Life Sciences, Prague*
- 14. Stem Curve Modeling Using Spline Functions**, Karel KUZELKA; *Czech University of Life Sciences, Prague*
- 15. Implementation of Eurocode 7 to Engineering Practise in Poland by E-learning**, Anna LADA; *Warsaw University of Life Sciences*







**16. Time Consumption Related to Plantation of Broad-leaved Saplings Produced by Innovative Nursery Technology**, Kateřina MILLEROVÁ, Ivan KUNEŠ, Martin BALÁŠ; *Czech University of Life Sciences, Prague*

**17. Environmentally Compatible N Fertilizer, Using OptRx™ Sensor**, Barbara MOGYORÓSI, István GERGELY, Rezső SCHMIDT; *University of West Hungary, Mosonmagyaróvár*

**18. Photoperiod Influence upon Potato Tuber Fertility**, Cristina-Maria MOLDOVAN, Gavrilă MORAR, Sorin VÂTCĂ, Camelia TODORAN; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*

**19. Role of Non-Conventional Energy Sources in Supplying Future Energy Needs**, Mark MOLNÁR, Anita CSÁBRÁGI; *Szent István University, Gödöllő*

**20. Degraded Urban Recreational Areas - Landscaping and Restoration of Municipal Pool Cluj-Napoca**, Cristian-Rares NISTOR, Paunita Iuliana POP, Adelina DUMITRAS, Marcel DARJA; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*

**21. Floristic and Pedological Study of the Serpentine Sites of Bernstein-Kienberg**, Krisztina SZABÓ, Péter SZABÓ, András HALBRITTER, Péter FARKAS, Zsolt MOLNÁR; *University of West Hungary, Mosonmagyaróvár*

**22. Protection Against *Cirsium arvense* L. (Scop.)**, Krisztina SZABÓ, Péter REISINGER; *University of West Hungary, Mosonmagyaróvár*

**23. The Influence of Different Levels of Fertilization and the Attack Degree of Diseases, upon the Protein Content of Alfalfa**, Florian Constantin VASILE, Ioan ROTAR, Teodora FLORIAN; *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca*

**24. 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*

**25. Crown Condition of Coniferous Species as an Indicator of Forest Disturbances**, Yulia YANKO, Alexander ALEKSEEV, Aleksandra KHODACHEK; *Central-East European Regional Office of the European Forest Institute (EFICEEC)*

**26. Urbanization of the Landscape: the Causes and the Consequences**, Katerina ZIMOVA; *Czech University of Life Sciences, Prague*







## ARRIVING IN HUNGARY

### Arriving by Train:

**From Deli Palyaudvar:** Take the Red Metro line directly to Keleti Palyaudvar (7<sup>th</sup> stop). Follow directions (*From Keleti Palyaudvar*) below.

**From Nyugati Palyaudvar:** Take the Blue Metro line to Deak Ferenc ter (2<sup>nd</sup> stop), and transfer to the Red Metro Line (in the direction of Örs Vezér ter) to Keleti Palyaudvar (3<sup>rd</sup> stop). Follow directions (*From Keleti Palyaudvar*) below.

**From Keleti Palyaudvar:** Trains run between Keleti Palyaudvar and Gödöllő, every 30 minutes during workdays. *Get off at Gödöllő, not Gödöllő Allami Telepek.* We recommend that find and print the train schedule for your day of travel ahead of time.

Train schedules can be found at: <http://elvira.mav-start.hu/>

**Important note:** We recommend that you avoid the trains printed in green (gyors) on the website, as these trains lack an announcement system to notify you of your arrival in Gödöllő.

*When you arrive in Gödöllő, walk over the footbridge at the train station to reach our campus.*

### Arriving by Plane:

There are two options for getting to Szent István Univeristy from Franz Liszt Airport. You can either take a shuttle bus to Keleti Palyaudvar, where you can find a direct train to our campus, or you can arrange for airport pickup from our driver, Mr Karoly Hodi (+36 20 3831 832).

If you wish to take the shuttle-bus / train route, please verify the location of the shuttle bus pickup from the information booth at the airport. For train information, see above (*From Keleti Palyaudvar*).

If you wish to arrange airport pickup, you should call Mr. Hodi a few days in advance to schedule your arrival time. He charges a flat rate of 8300HUF (approx. €31) for the trip to Gödöllő.

You can also arrange a taxi ride with an independent taxi service. All taxis operating at the airport are licensed and regulated. The price of the other services operating at the airport is approximately 15,500HUF to Gödöllő.

**Karoly Hodi +36 20 3831 832**

**Email: [csoma71@pannonmail.hu](mailto:csoma71@pannonmail.hu)**





## LOCAL CONTACT INFORMATION

Please feel free to contact the Office of International Relations if you have any questions or need any assistance before, during or after your stay in Gödöllő.

The office is located in the main building, upstairs from the main entrance of the university in room 1010.

### **Dr. Zsuzsanna Tarr**

*Head of the Office of International Relations*

Telephone: +36 28 522 000 ext. 1017 (office)

+36 70 219 9239 (mobile)

Email: [tarr.zsuzsanna@fh.szie.hu](mailto:tarr.zsuzsanna@fh.szie.hu)

### **Beatrix Mészoly**

*Office of International Relations*

Telephone: +36 28 522 000 ext. 1005 (office)

Email: [beatrix.meszoly@fh.szie.hu](mailto:beatrix.meszoly@fh.szie.hu)

## TRANSPORTATION WITHIN GÖDÖLLŐ

The SZIE campus is a leisurely 20-minute walk through the town park from the town center.

**Mr. Karoly Hodi** +36 20 3831 832 (1000HUF flat rate within Gödöllő)

Various other taxi services are available across the street from the Erzsébet Hotel.



# GÖDÖLLŐ ROYAL PALACE

Presently being used as a central venue to host the proceedings of the Hungarian Presidency of the European Union, the Gödöllő Royal Palace is easily one of the most beautiful palaces in Hungary.



The palace dates back to 1733, when construction began on what would become the home of Count Antal Grassalkovich I (1694–1771). Through the years, the palace changed hands several times before becoming the preferred summer residence of Emperor Franz Josef and Queen Elizabeth of the Austro-Hungarian empire from 1867 to 1918.

Following the two world wars the palace fell into disrepair. Renovation efforts began in 1986 and still continue today. A large portion of the palace is open to tourists, featuring lavishly decorated period rooms with much of the original furniture.

Having such a significant role in Hungarian history and Gödöllő, the royal palace should be at the top of every visitor's to-do list when visiting.

*Special hours of operation have been made available for conference participants:*

*Friday April 29<sup>th</sup> from 16:00 to 18:00 (cashier closes at 17:20)*

*Please bring your conference namecard, as the palace is closed to the general public.*

**Cost:**

3.300HUF

