

**The 41<sup>st</sup> IAD Conference**

**“Tributaries as Key Elements  
in Sustainable Management  
of the Danube River Basin”**

**September 13<sup>th</sup> – 16<sup>th</sup> 2016, Sibiu, Romania**



**PROGRAMME**

# Conference Programme

September 13, 2016

14<sup>00</sup>-22<sup>00</sup>

## PARTICIPANTS' REGISTRATION

at the "Lucian Blaga" University of Sibiu, Faculty of Sciences, ground floor, room A04. Address: Ion Rațiu Street, No. 5-7, Sibiu, tel. 0722604338, ad.banaduc@yahoo.com, angela.banaduc@ulbsibiu.ro



Registration office at:

"Lucian Blaga" University of Sibiu, Faculty of Sciences location.



Registration office at:

"Lucian Blaga" University of Sibiu, Faculty of Sciences.

**September 14, 2016**  
**ULBS Senate Conference Hall,**  
Lucian Blaga Street, No. 2, Sibiu

10<sup>00</sup>-11<sup>00</sup>

**OPENING CEREMONY**

- Assoc. Prof. Dr. *Angela Curtean-Bănăduc*  
“*Lucian Blaga*” University of Sibiu, Faculty of Sciences
- Prof. Dr. Eng. *Ioan Bondrea* – Rector  
“*Lucian Blaga*” University of Sibiu
- Prof. Dr. *Thomas Hein* – President of IAD  
University of Natural Resources and Life Sciences Vienna
- Prof. Dr. *Harald Kutzenberger*  
International Association for Danube – General Secretary of IAD
- Prof. Dr. *Erika Schneider-Binder*  
International Association for Danube Research

11<sup>00</sup>-11<sup>30</sup>

**KEYNOTE PRESENTATION** *E. Schneider-Binder* – State and human induced changes on rivers and their riparian zones in the lower Danube Basin and their consequences for ecosystems functioning and integrity.

11<sup>30</sup>-12<sup>00</sup>

*Coffee break*

12<sup>00</sup>-13<sup>45</sup>

**ORAL PRESENTATION SESSION** – Chair *T. Hein*

12<sup>00</sup>-12<sup>15</sup>

*S. Preiner* and *T. Hein* – Application of dynamic water quality models to simulate nutrient cycling and aquatic primary production in heterogeneous river-floodplain systems.

12<sup>15</sup>-12<sup>30</sup>

*D. Datcu*, *M. Sava* and *G. Rîșnoveanu* – Responses of stream macroinvertebrate communities to hydromorphological deterioration.

12<sup>30</sup>-12<sup>45</sup>

*L. Pehlivanov* – Downstream movement of fishes in the middle course of the Skat River (Northwest Bulgaria, Danube Basin).

12<sup>45</sup>-13<sup>00</sup>

*M. Lenhardt*, *L. Pekarik*, *S. Spasić*, *S. Skorić*, *M. Smederevac-Lalić*, *A. Hegediš*, *M. Jaćimović* and *V. Djikanović* – The influence of diel period on fish assemblage surveys by electrofishing and beach seining at three locations in the inshore part of the Danube River.

13<sup>00</sup>-13<sup>15</sup>

*B. Cyffka*, *B. Stammel*, *P. Fischer* and *M. Gelhaus* – Restoration of ecosystem functions and efficiency control: case study of the Danube Floodplain between Neuburg and Ingolstadt (Germany).

13<sup>15</sup>-13<sup>30</sup>

*F. Ballnus* – Status report on PA6 of the EUDSR.

13<sup>30</sup>-13<sup>45</sup>

*C. Steiner* – Greeting words from European Soil Alliance.

13<sup>45</sup>-14<sup>00</sup>

*C. Steiner* – Soil and land-use activities in the Danube Region.

14<sup>00</sup>-15<sup>00</sup>

*Lunch Break*

15<sup>00</sup>-17<sup>15</sup>

**ORAL PRESENTATION SESSION** – Chair *M. Lenhardt*

15<sup>00</sup>-15<sup>15</sup> *D. Bănăduc* and *A. Curtean-Bănăduc* – Lotic systems connectivity an utopia? – Case study South-West Romania.

15<sup>15</sup>-15<sup>30</sup> *T. Hein* – Focused academic cooperation in the Danube Region – a new CEEPUS umbrella network.

15<sup>30</sup>-15<sup>45</sup> *T. Trichkova, H. Kutzenberger, F. Ballnus, G. Guti, C. Csuzdi, D. Bănăduc, R. Tomov, V. Vladimirov* and *A. Uludag* – Networking on invasive alien species in the Danube region: DIAS and ESSENIAS.

15<sup>45</sup>-16<sup>00</sup> *G. Chaparro, Z. Horváth, R. Ptacnik* and *T. Hein* – Spatial patterns of zooplankton diversity in riverine floodplains.

16<sup>00</sup>-16<sup>15</sup> *E. Kanev, M. Mitankina, K. Ignatov* and *E. Uzunova* – Longitudinal connectivity for fish migration in upper reaches of the Iskar River and prioritisation of the restoration measures.

16<sup>15</sup>-16<sup>30</sup> *A. Burcea, G.-O. Popa, I. E. Florescu, A. Dudu, S. E. Georgescu* and *M. Costache* – Expression levels of genes possibly involved in sturgeon sex differentiation – preliminary studies.

16<sup>30</sup>-16<sup>45</sup> *R. Kalchev, Á. Berczik, M. Beshkova, M. Dinka, H. Kalcheva, A. Kiss* and *E. Ágoston-Szabo* – Trophic status and phytoplankton limitation conditions in selected Bulgarian and Hungarian Danube River wetlands.

16<sup>45</sup>-17<sup>30</sup>

*Coffe break*

17<sup>30</sup>-19<sup>30</sup>

**IAD General Assembly**

20<sup>00</sup>-22<sup>30</sup>

*Dinner “In the Park” Silva Restaurant*  
*<http://www.sibiuturist.ro/hotel-silva.html>*

**September 15, 2016**  
**ULBS Senate Conference Hall,**  
Lucian Blaga Street, No. 2, Sibiu

09-10<sup>45</sup>

**POSTER PRESENTATIONS SESSION**

*A. Curtean-Bănăduc, I.-C. Cismaș and D. Bănăduc – Barbus meridionalis* Risso 1826 on site decisions support management system – a Transylvanian Natura 2000 Site study case.

*T. Trichkova, K. Ignatov and E. Uzunova, – 30 years after the first introduction of alien coregonid species in Iskar Reservoir, the Danube River Basin, Bulgaria.*

*E. Uzunova, E. Kanev, M. Todorov, I. Botev and T. Trichkova – Non-native fish species in upper reaches of the Iskar River, tributary of the Danube River, Bulgaria.*

*H. Kalcheva, S. Stoichev, E. M. Beshkova, R. Kalchev, M. Stanachkova, D. Kozuharov and T. Trichkova – The effect of Dreissena polymorpha on bacterioplankton, nematode fauna and their relations to environmental factors in Ogosta Reservoir Danube River Basin Directorate, Bulgaria.*

*H. Kalcheva, M. Dinka, E. Ágoston-Szabó, Á. Berczik, R. Kalchev, N. Tarjányi and A. Kiss – Bacterioplankton from two Hungarian Danube River wetlands (Beda-Karapansca, Danube-Drava National Park) and its relations to environmental variables.*

*L. Pehlivanov, S. Tihomir, T. Milcha, Y. Kutsarov and T. Trichkova – First records of the Black Bullhead, Ameiurus melas (Rafinesque 1820), along the Bulgarian section of the Danube River.*

*D. Vukov, M. Ilić, M. Čuč and R. Igić – Canal network Danube-Tisa-Danube – the specific type of tributary contributing the diversity of aquatic macrophytes in the Danube and Tisa rivers in Serbia.*

*S. Ozimec and D. Prlic – Macrophyte habitats along the Vuka River, a Danube tributary in Croatia.*

*A. Kiss, S. Kazakov, K. Schöll, M. Dinka, E. Ágoston-Szabó, N. Tarjányi, Á. Berczik, L. Pehlivanov and R. Kalchev – Zooplankton diversity on wetlands of middle (Hungary) and lower (Bulgaria) Danube Basin, particularly regarding alien and rare species.*

*B. Damnjanović, M. Živković, M. Novković, A. Vesić, A. Matić, S. Radulović and D. Cvijanović – Aquatic macrophytes in gravel pits along the Drina River Floodplain (Serbia).*

*G. Haidvogel, D. Pont and M. Schmid* – What shapes present riverscapes and their fish diversity.

*A. Curtean-Bănăduc, O. Danci, L. Voicu and D. Bănăduc* – *Sabanejewia aurata* (De Filippi, 1863) species in Maramureș Mountains Nature Park (Romanian Carpathians) ecological status and management.

*G.-O. Popa, A. Burcea, I. E. Florescu, A. Curtean-Bănăduc, D. Bănăduc, A. Dudu, S. Georgescu and M. Costache* – New *Salmo trutta* haplotypes identified by sequencing the D-loop control region.

*L. Florea* – The assessment of Community interest fish species from protected area ROSCI0229 Siriu.

*G.-M. Paraschiv, M.-D. Samargiu and D. Sava* – A comparative study of the trophic resources for predatory fish species in the low course of the Danube.

*A. Egri, A. Farkas, D. Száz, N. Tarjanyi, G. Horvath and G. Kriska* – Ecological traps near Danube Bridges for the night-swarming mayfly, *Ephoron virgo*.

*H. Olosutean, M. Perju and S. Oancea* – DDT concentrations in fish samples: an overview.

*V. Gheoca* – Wetlands and landsnails – a common goal for conservation.

10<sup>45</sup>-11<sup>00</sup> *Coffee break*

11<sup>00</sup>-11<sup>15</sup> **ORAL PRESENTATION SESSION** – Chair *H. Kutzenberger*

11<sup>15</sup>-11<sup>30</sup> *D. Bănăduc, S. Pauli, A. Didenko, J. Sender, S. Marić, P. del Monte, Z. Khoshnood, S. Zakeyuddin and A. Curtean-Bănăduc* – Environmental aspects of implementation of micro-hydro power plants – a short review.

11<sup>30</sup>-11<sup>45</sup> *S. Hohensinner* – Learning from past Danube dynamics: how channel changes influence water and groundwater levels – the Austrian Danube River 1715-1821.

11<sup>45</sup>-12<sup>00</sup> *A. Dudu, A. Burcea, I. E. Florescu, G.-O. Popa, S. E. Georgescu and M. Costache* – Molecular markers applications in sturgeon conservation and fisheries management.

12<sup>00</sup>-12<sup>15</sup> *R. Kalchev, M. Beshkova and H. Kalcheva* – Trophic relationships and status of reservoirs with and without occurrence of *Dreissena* spp. (Mollusca: Bivalvia) built on Bulgarian Danube River tributaries.

- 12<sup>15</sup>-12<sup>30</sup> *E. Radu, M. Gabriel-Mihai, C. Constantin-Bîrsan, V. Gavril and C. Sandu* – Education for nature – a priority of the Program sturgeon 2020.
- 12<sup>30</sup>-12<sup>45</sup> *E.-M. Pölz, X. Zheng, E. Bondar-Kunze, G. Weigelhofer and T. Hein* – Effects of impoundment and artificial shoreline habitats on carbon cycling in the Danube.
- 12<sup>45</sup>-13<sup>00</sup> *V. Tyufekchieva, Y. Vidinova, L. Kenderov, Z. Hubenov, D. Kozuharov, I. Botev, A. Cardecchia, Y. Uzunov, S. Stoichev and T. Trichkova* – The role of alien species in structuring the benthic macroinvertebrate communities in the Ogosta Reservoir, The Danube River basin, Bulgaria.
- 13<sup>00</sup>-13<sup>15</sup> *R. Suciu and M. Paraschiv* – The critical situation of sturgeons in tributaries of middle and lower Danube River
- 13<sup>15</sup>-13<sup>30</sup> *A. Schoder* – A history of pebbles and silt – fluvial sediment transport, hydropower and technical expertise at the Austrian Danube and its tributaries.
- 13<sup>30</sup>-13<sup>45</sup> *M. Paraschiv and R. Suciu* – Possible evidence about recruitment of Black Sea Salmon (*Salmo labrax* Pallas, 1814) in tributaries of the Lower Danube River.
- 13<sup>45</sup>-14<sup>00</sup> *H. Kutzenberger* – Decentral flood protection measures in small catchments – from concept to implementation.
- 14<sup>00</sup>-14<sup>15</sup> *C. Coman, L. Török, E. Szekeres and C. Chiriac* – Antibiotics and antibiotic resistance in aquatic environments: the need of common efforts towards a sustainable development of the Danube-Danube Delta-Black Sea axis.
- 14<sup>15</sup>-16<sup>30</sup> *Lunch Break & Sibiu old city center tour.*
- 17<sup>00</sup>-19<sup>00</sup> **Modern conservation issues in the Danube Basin**  
 – *G. Costea, S. Domisch, M. Pusch, S. Langhans and S. Jähning.*  
 Assessing Ecosystem Services provided by the Danube River System within the EU AQUACROSS Project.  
 – Current knowledge on the ecological effects of hydropower dams in south-east Europe. *M. Pusch, H. Hudek and G. Costea.*  
 – *D. Cosmoiu.* Danube basin hydropower projects in Romanian context.
- 19<sup>30</sup>-22<sup>30</sup>

Astra Open Air Museum **visit** <http://www.turism.sibiu.ro/index.php/en/muzeu/147>

**&**

*Romanian Traditional Dinner - Hanul din Tulgheș*  
[https://www.tripadvisor.com/ShowUserReviews-g295393-d3165085-r386550394-Hanul\\_din\\_Tulgheș-Sibiu\\_Sibiu\\_County\\_Central\\_Romania\\_Transylvania.html](https://www.tripadvisor.com/ShowUserReviews-g295393-d3165085-r386550394-Hanul_din_Tulgheș-Sibiu_Sibiu_County_Central_Romania_Transylvania.html)

located in Astra Open Air Museum.

**September 16, 2016**  
**10<sup>00</sup>-17<sup>00</sup> Alpine Bâlea Lake & Waterfall field trip in**  
**Transylvanian Alps**

Meeting point at the registration point – Lucian Blaga” University of  
Sibiu, Faculty of Sciences, Address: Ion Rațiu Street, No. 5-7

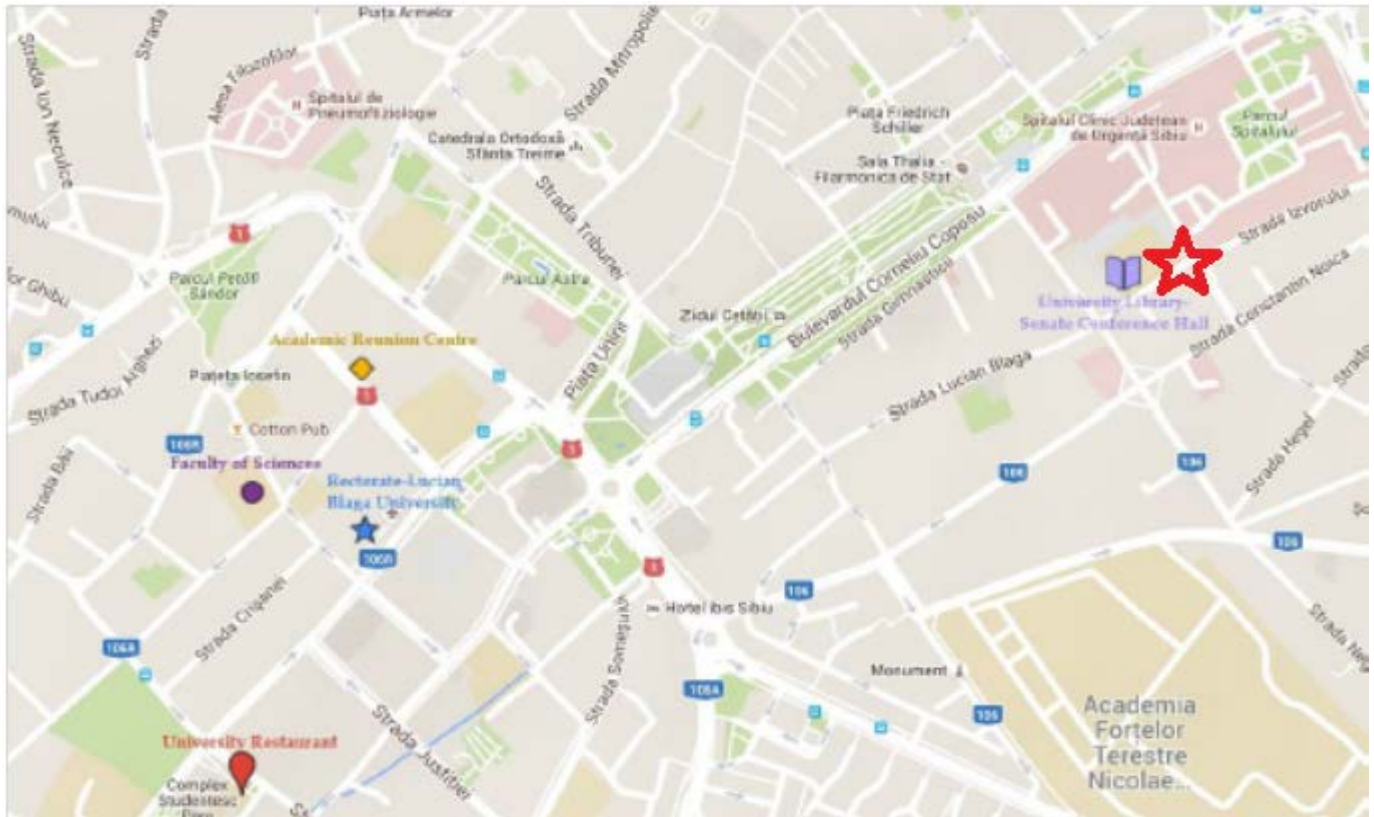


Alpine Bâlea Lake.



Alpine Bâlea Waterfall.





*“Lucian Blaga”* University of Sibiu, Senate Conference Hall location.

WE ARE LOOKING  
FORWARD TO  
MEET YOU IN  
SIBIU!