

# CONFERENCE PROGRAMME

## Tuesday, 22 June 2010

08:00 Registration

### Opening ceremony

*Chairman: Fritz Kohmann*

09:00 Welcome by IAD

*Ivana Teodorovic, IAD President, and Fritz Kohmann, German Federal Institute of Hydrology*

09:15 Welcome by BMU

*Fritz Holzwarth, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety*

09:45 Welcome by EC

*Ursula Schmedtje, Detached National Expert, Protection of Water and Marine Environment*

10:05 The Danube River Basin Management – rationale and results

*Philip Weller, Executive Secretary, ICPDR*

10:25 Coffee break and Poster session (topics 1–3)

### 1 Climate change and large rivers

*Chairman: Thomas Hein*

11:00 **Towards good practices of climate-change analyses for river-basin management in the catchments of the rivers Danube and Elbe**

*Bastian Klein, Peter Krahe, Enno Nilson, Claudia Rachimow, Theresa Horsten, Thomas Maurer, Hans Moser, German Federal Institute of Hydrology (BfG), Germany*

11:30 Hydrological and ecological responses of the Lobau floodplain to climate change

*Peter Winkler<sup>1\*</sup>, Michael Tritthart<sup>2</sup>, Thomas Hein<sup>1</sup>, <sup>1</sup>Wasser Cluster Lunz – Center for Aquatic Ecosystem Research, Austria, <sup>2</sup>Universität für Bodenkultur (BOKU) Vienna, Austria*

11:45 Are climate impacts already discernable on European Rivers? The River Danube example

*Martin T. Dokulil, University of Vienna, Austria*

12:00 Vulnerability of floodplain areas along middle Elbe river in Germany in view of climate change induced flow alterations – scenarios and adaptability

*Georg Rast<sup>1</sup>, Lutz Reichhoff<sup>2</sup>, Uwe Riemann<sup>3</sup>, <sup>1</sup>WWF Germany, <sup>2</sup>LPR Landschaftsplanung Dr. Reichhoff, Germany, <sup>3</sup>FUGRO-HGN, Germany*

12:15 Consequences of climate change and river bed erosion on the utilization of the Elbe and its flood plain

*Iris Brunar, Ernst Paul Dörfler, Friends of the Earth Germany (BUND-Elbeprojekt), Germany*

12:30 Lunch break and Poster session (topics 1–3)

## 2 EC Water Framework Directive (WFD), still some steps to go?

*Chairman: Jürg Bloesch*

- 14:00 **Towards Risk-Based Management of European River basins: key-messages of the EC FP6 project RISKBASE**  
*Jos Brils, Deltares, The Netherlands*
- 14:30 **Implementation of the WFD from the Perspective of Nature Conservation: Analysis of the Programmes of Measures and the River Basin Management Plans of the Danube and the Elbe Catchments**  
*Juliane Albrecht, Leibniz Institute of Ecological and Regional Development (IOER), Germany*
- 14:45 **The Implementation of the Water Framework Directive in the Danube River Basin and the Idea of a Danube Biodiversity Strategy from the Perspective of Environmental NGOs**  
*Gerhard Nagl, Danube Environmental Forum (DEF), European River Group, Water Working Group European Environmental Bureau (EEB), Green Heart of Europe, BUND and Bund Naturschutz Water Working Group, NABU River Group*
- 15:00 **2010 – beginning of a new era of water management by river basin management planning**  
*Joerg Janning, European Union of Water Management Associations, EUWMA, The Netherlands*
- 15:15 **The Danube River Basin Management Plan (DRBMP) – Challenges of an integrative policy**  
*Cristina Sandu<sup>1</sup>, Jürg Bloesch<sup>2</sup>, <sup>1</sup>Romanian Academy of Sciences, Romania, <sup>2</sup>International Association for Danube Research (IAD), Switzerland*
- 15:30 Coffee break and Poster session (topics 1–3)

*Chairwoman: Cristina Sandu*

- 16:00 **Intercalibration of biological assessment methods for very large rivers**  
*Franz Schöll, German Federal Institute of Hydrology (BfG), Germany*
- 16:15 **A strategy to enhance migratory fish species in the Weser River Basin according to the aims of the European Water Framework Directive**  
*Simon Christian Henneberg<sup>1</sup>, Matthias Scholten<sup>2</sup>, <sup>1</sup>River Basin Commission Weser, Hildesheim, Germany <sup>2</sup>Federal Institute of Hydrology (BfG), Germany*
- 16:30 **MODELKEY DSS as supporting tool for River Basin Management Plan definition: results from application to Elbe and Danube**  
*Elena Semenzin<sup>1</sup>, Stefania Gottardo<sup>1, 2</sup>, Peter von der Ohe<sup>3</sup>, Jonathan Rizzi<sup>1, 2</sup>, Alex Zabeo<sup>1</sup>, Andrea Critto<sup>1, 2</sup>, Antonio Marcomini<sup>1, 2</sup>, <sup>1</sup>Consorzio Venezia Ricerche, Italy, <sup>2</sup>University Ca' Foscari of Venice, Italy, <sup>3</sup>Helmholtz Centre for Environmental Research – UFZ, Germany*
- 16:45 **The macrophyte – floodplain habitat relationship: implications on WFD and river restoration**  
*Georg A. Janauer, Udo Schmidt-Mumm, University of Vienna, Austria*
- 17:00 Poster session (topics 1–3)
- 18:30 Guided Dresden Tour (until approx. 20:00 h)



*Source: Fritz Kohmann*

# Wednesday, 23 June 2010

---

08:00 Registration

*Chairman: Fritz Kobmann*

09:00 **Integrated water resources management: A strategy for a sustainable adaptation to global change**

*Dietrich Borchardt, Helmholtz Centre for Environmental Research – UFZ*

09:30 **Large Rivers under Stress**

*Klement Tockner, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany*

## 3 Riparian landscapes, flood risk and hydro-morphology

*Chairmen: Georg Janauer / Jos Brils*

10:00 Mean residence time (MRT) of baseflow water in the upper Danube Basin derived from decadal climatic signals in long-term isotope records of river water

*Dieter Rank<sup>1</sup>, Wolfgang Papesch<sup>2</sup>, <sup>1</sup>University of Vienna, Austria, <sup>2</sup>Austrian Institute of Technology – AIT, Seibersdorf*

10:15 Flood risk management services in support of the implementation of the EU Flood Directive – First results for test sites in Romania and Bulgaria

*Marc Müller<sup>1</sup>, Vera Kraft-Holzhauser<sup>1</sup>, André Assmann<sup>2</sup>, <sup>1</sup>Infoterra GmbH, Immenstaad, Germany, <sup>2</sup>geomer GmbH, Germany*

10:30 Restoration of River/Floodplain Interconnection and Riparian Habitats along the Embanked Danube between Neuburg and Ingolstadt (Germany)

*Barbara Stammel, Bernd Cyffka, Florian Haas, Aueninstitut Neuburg, Germany*

10:45 Coffee break and Poster session with change of posters (from topics 1–3 to topics 4–7)

11:15 Dynamic of trace element pollutants during flood events: Hungarian Tisza and German Mulden Rivers – A comparison

*Wolf von Tümpling, Martina Baborowski, Margarete Mages, Helmholtz Centre for Environmental Research – UFZ, Germany*

11:30 Contemporary geomorphologic-sedimentary consequences of flooding – the Bratislava reach of the Danube River

*Milan Lehotský<sup>1</sup>, Ján Novotný<sup>1</sup>, Jacek B. Szmańda<sup>2</sup>, <sup>1</sup>Slovak Academy of Sciences, Slovakia, <sup>2</sup>Jan Kochanowski University, Poland*

11:45 Hydromorphology of Mures River (Romania, Hungary)

*Ulrich Schwarz<sup>1</sup>, Jürg Bloesch<sup>2</sup>, <sup>1</sup>FLUVIUS, Floodplain Ecology and River Basin Management, Austria, <sup>2</sup>IAD, Switzerland*

12:00 Assisting integrative planning on waterways by modelling techniques - the Integrated Floodplain Response Model INFORM

*Elmar Fuchs, Michael Schleuter, Stephan Rosenzweig, German Federal Institute of Hydrology (BfG), Germany*

12:15 Spatio-temporal patterns of zooplankton densities according to water chemical characteristics and hydrological events in a river-floodplain system at the Danube (1498–1469 rkm)

*Károly Schöll, A. Kiss, M. Dinka, E. Ágoston-Szabó, A. Berczik, Hungarian Danube Research Station of the Hungarian Academy of Sciences, Hungary*

12:30 Modeling of hydrological processes in order to evaluate alternatives for ecological reconstruction in the Danube floodplain

*Florian Bodescu, Virgil Iordache, University of Bucharest, Romania*

12:45 Long-term prognosis for discharge series of the rivers in Danube and Labe basins

*Pavla Pekárová<sup>1</sup>, Pavol Miklánek<sup>1</sup>, Jan Pekár<sup>2</sup>, <sup>1</sup>Institute of Hydrology SAS, Slovakia, <sup>2</sup>FMPI, CU Bratislava, Slovakia*

13:00 Lunch break and Poster session (topics 4–7)

14:00 **Nutrient dynamics in complex river floodplain systems: effects of restoration**

*Thomas Hein<sup>1</sup>, Elisabeth Bondar-Kunze<sup>1</sup>, Gilles Pinay<sup>3</sup>, Michael Tritthart<sup>1</sup>, Nina Welti<sup>1,2</sup>*, <sup>1</sup>University of Natural Resources and Applied Life Sciences Vienna, Austria, & Wasser-Cluster Lutz – Interuniv. Center for Aquatic Ecosystem Research, <sup>2</sup>University of Vienna, Austria, <sup>3</sup>University of Birmingham, UK

14:15 **Groyne modifications – an appropriate approach to support riparian species?**

*Meike Kleinwächter<sup>1</sup>, Tobias Münchenberg<sup>2</sup>*, <sup>1</sup>German Federal Institute of Hydrology (BfG), Germany, <sup>2</sup>Technical University of Braunschweig, Germany

14:30 **Riparian Forests and Riverine Vegetation – Risk Factors in Case of Flooding?**

*Hans Helmut Bernhart<sup>1</sup>, Hubert Weiger<sup>2</sup>, Sandra Schneider<sup>1</sup>*, <sup>1</sup>Karlsruhe Institute of Technology (KIT), Germany, <sup>2</sup>Bund Naturschutz in Bayern e.V., Germany

## 4 Ecological functions and integrated management of rivers

*Chairman: Eric de Deckere*

14:45 **Sediment provenancing and dispersal dynamics in the lower Danube catchment**

*Graham Bird<sup>1</sup>, Paul A. Brewer<sup>1</sup>, Mark G. Macklin<sup>1</sup>, Mariana Nikolova<sup>2</sup>, Tsvetan Kotsev<sup>2</sup>, Mihaela Sima<sup>3</sup>, Mihail Mollov<sup>4</sup>*, <sup>1</sup>Aberystwyth University, UK, <sup>2</sup>Bulgarian Academy of Sciences, Bulgaria, <sup>3</sup>Romanian Academy, Romania, <sup>4</sup>Ministry of Environment and Waters, Bulgaria

15:00 **Selecting the appropriate set of methods for evaluating ecosystem functions and services in ecological risk assessment. Lessons learned from the River Tamis (Danube River Basin)**

*Ivana Teodorovic*, IAD, University of Novi Sad, Serbia

15:15 **Danube Delta Biosphere Reserve hydrographic network morphological dynamics modelling**

*Eugenia Cioaca<sup>1</sup>, Constantin Bondar<sup>2</sup>, Constantin Borcia<sup>3</sup>*, <sup>1</sup>Danube Delta National Institute Tulcea, Romania, <sup>2</sup>National Institute of Marine Geology and Geo-ecology, Romania, <sup>3</sup>National Institute of Hydrology and Water Management, Romania

15:30 **Sediment Management in the Elbe from the Perspective of the Port of Hamburg**

*Axel Netzband*, Hamburg Port Authority, Germany

15:45 **Danube meets Elbe meets ...: homogenization of the freshwater fish fauna across Europe**

*Nike Sommerwerk<sup>1,2</sup>, Jörg Freyhof<sup>1</sup>, Klement Tockner<sup>1,2</sup>*, <sup>1</sup>Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Germany, <sup>2</sup>Free University Berlin, Germany

16:00 **New manual on integrated planning of waterways as a tool for river management**

*Alexander Zinke*, ICPDR, Austria

16:15 Coffee break and Poster session (topics 4–7)

17:00 **General Assembly** (until approx. 19:00 h)

20:00 **Conference Dinner** (Restaurant CHIAVERI, Sächs. Landtag, Bernhard-von-Lindenau-Platz 1)



Source: Fritz Kohmann

# Thursday, 24 June 2010

08:30 Registration

## 5 Water quality and new emerging pollutants

*Chairwoman: Ivana Teodorovic*

09:00 **Identifying key pollutants in the Elbe and Danube by applying new assessment tools on monitoring data**

*Eric de Deckere*<sup>1</sup>, *Werner Brack*<sup>2</sup>, *Stefania Gottardo*<sup>3</sup>, *Claudia Schmitt*<sup>1</sup>, *Elena Semenzin*<sup>3</sup>, *Bram Van Ballaer*<sup>1</sup>, *Peter Von der Ohe*<sup>2</sup>, <sup>1</sup>University of Antwerp, Belgium, <sup>2</sup>Helmholtz Centre for Environmental Research – UFZ, Germany, <sup>3</sup>Consorzio Venezia Ricerche, Italy

09:30 **Selected measures towards integrated land and water management on Upper Tisza, Ukraine – local community involvement to support implementation of ITRBMP**

*Olena Marushevska*<sup>1</sup>, *Vasyl Manivchuk*<sup>2</sup>, *Georg Rast*<sup>3</sup>, <sup>1</sup>Kyiv, Ukraine, <sup>2</sup>Uzhgorod, Zakarpattya Oblast, Ukraine, <sup>3</sup>WWF Germany

09:45 **Natural and near natural floodplain habitats on the Lower Danube and their importance for Natura 2000 Network and recent planning processes for the area**

*Erika Schneider*, *Emil Dister*, KIT Karlsruhe, Germany

10:00 **Challenge in inferring causality between exposure and impact in river biomonitoring – Trait-based methods and advanced statistics can help**

*Mikhail A. Beketov*, UFZ – Helmholtz Centre for Environmental Research, Germany

10:15 **Specific organic pollutants in Serbian watercourses-current state and the actions needed**

*Ivana Ivančev-Tumbas*<sup>1</sup>, *E. Maljević*<sup>2</sup>, *J. Tričković*<sup>1</sup>, *A. Tubić*<sup>1</sup>, *J. Molnar*<sup>1</sup>, *B. Gavrić*<sup>2</sup>, *Z. Stojanović*<sup>2</sup>, <sup>1</sup>University of Novi Sad, Serbia, <sup>2</sup>Republic Hydrometeorological Service of Serbia, Serbia

10:30 **Prioritisation of Emerging Substances as River Basin Specific Pollutants to support next future River Basin Management Plans for the Elbe and Danube**

*Peter von der Ohe*<sup>1</sup>, *Eric de Deckere*<sup>2</sup>, *Ralf Schäfer*<sup>3</sup>, *Gerrit Schüürmann*<sup>1</sup>, *Jaroslav Slobodnik*<sup>4</sup>, *Werner Brack*<sup>1</sup>, <sup>1</sup>Helmholtz Centre for Environmental Research – UFZ, <sup>2</sup>University of Antwerp, Belgium, <sup>3</sup>RMIT University, Australia, <sup>4</sup>Environmental Institute, Slovak Republic

10:45 **The impact of chemical stressors on the invertebrate communities of a heavily polluted river in Central Europe (River Bílina, Czech Republic)**

*Claus Orendt*<sup>1</sup>, *G. Wolfram*<sup>2</sup>, *S. Höss*<sup>3</sup>, *W. Traunspurger*<sup>4</sup>, *Z. Adámek*<sup>5</sup>, *P. Jurajda*<sup>5</sup>, *G. Streck*<sup>6</sup>, *P. von der Ohe*<sup>6</sup>, *D. de Zwart*<sup>7</sup>, <sup>1</sup>Orendt-Hydrobiologie, Leipzig, Germany, <sup>2</sup>DWS Hydro-Ökologie, Austria, <sup>3</sup>EcoSsa, Germany, <sup>4</sup>University of Bielefeld, Germany, <sup>5</sup>Academy of Sciences of the Czech Republic, <sup>6</sup>Helmholtz Centre for Environmental Research – UFZ, Germany <sup>7</sup>National Institute for Public Health and the Environment Bilthoven, The Netherlands

11:00 Coffee break and Poster session (topics 4–7)

## 6 General limnological themes

*Chairwoman: Elisabeth Meyer*

11:30 **Effects of environmental variables on mussel assemblages along a second order stream – large river continuum in North Hungary**

*Erika Bódis*, *János N. Nosek*, *Nándor Oertel*, *Bence Tóth*, Hungarian Danube Research Station IEB of the Hungarian Academy of Sciences, Hungary

11:45 ***Thymallus thymallus* (Linnaeus, 1758) threats and conservation in the Romanian Carpathians**

*Doru Bănăduc*, *Angela Curtean-Bănăduc*, University of Sibiu, Romania

- 12:00 Huge local functional diversity of heterotrophic flagellates (protozoa) is found in the plankton of the river Danube at Göd (Hungary)  
*Áron Keve Kiss, Éva Ács, Keve Tihamér Kiss*, Hungarian Danube Research Station IEB of the Hungarian Academy of Sciences, Hungary
- 12:15 Sterlet (*Acipenser ruthenus* L.) as an object of research, fishery and aquaculture in Serbia  
*Mirjana Lenhardt<sup>1</sup>, I. Jarić<sup>2</sup>, G. Cvijanović<sup>2</sup>, M. Smederevac-Lalić<sup>2</sup>, Z. Gačić<sup>2</sup>, B. Mičković<sup>2</sup>, M. Nikčević<sup>2</sup>*,  
<sup>1</sup>Institute for Biological Research, Serbia, <sup>2</sup>Institute for Multidisciplinary Research, Serbia
- 12.30 Status, distribution and infection rate of the invasive crayfish species, *Orconectes limosus*, in the River Danube and its tributaries in Hungary  
*Miklós Puky<sup>1</sup>, Eva Kozubikova<sup>2</sup>, Adam Petrusek<sup>2</sup>*, <sup>1</sup>Hungarian Danube Research Station IEB of the Hungarian Academy of Sciences, Hungary, <sup>2</sup>Charles University in Prague, Czech Republic
- 12:45 Lunch break and Poster session (topics 4–7)
- 13:45 Poster session (topics 4-7)
- 15:30 Announcement of IAD 2010 Poster Award
- 15:45 Summary of the Conference
- 16:00 Closing remarks

# Friday, 25 June 2010

---

## Excursion to Saxon Switzerland

We meet on Friday, 25 June 2010, 9:00 h at the conference venue Blockhaus Dresden for our excursion to the Saxon Switzerland.

**Please bring sturdy shoes because we will be in the mountains, and weatherproof clothing!**

Here you can find our excursion schedule:

**09:00 h** - departure from Blockhaus Dresden. We go by bus along the left side of the river Elbe via Pirna, Königstein, Pfaffenstein to Bad Schandau), approx. 60 km

**10:00 h** - arrival in the Saxon Switzerland National Park and meeting with our guides who are park rangers

**10:15 h** - we go by bus to the Lilienstein mountain (approx. 10 km)

**10:40 h** - we climb the Lilienstein with our guides (approx. 3 km, 1:15 h, in two groups)

**12:00 h** - snack in the mountain restaurant (snacks to be provided, drinks have to be paid by yourself)

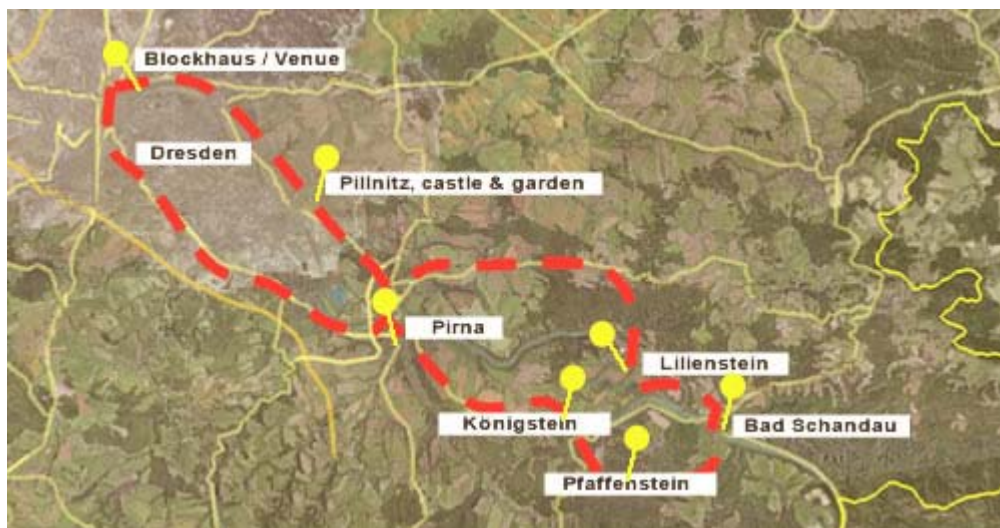
**13:30 h** - descent from Lilienstein (approx. 40 min)

**14:15 h** - trip by bus to the beautiful Pillnitz Castle (approx. 27 km, 45 min)

**15:00 h** - sightseeing in Pillnitz Castle and Gardens - guided tour in English (entrance included, approx. 2 h)

**17:15 h** - return trip to Dresden by ship (with coffee break incl.)

approx. 18:30 h - arrival in Dresden "Terrassenufer" (5 min to walk to conference venue Blockhaus).





*Source: Michael Schleuter*