

International Symposium: Floodplains – Hydrology, Soils, Fauna and their Interactions

Preliminary Program

Sunday, 11 Sept., 2005

Arrival, Registration

18:00 – 19:00 *Dinner*

Evening Informal get-together

Monday, 12 Sept., 2005

7:45 – 9:00 *Breakfast*

9:00 – 9:30 Opening

Session 1: Hydrology and Aquatic Biodiversity

9:30 – 10:15 **Ruf, W., L. Foglia, P. Perona, P. Molnar, R. Faeh, P. Burlando** – Modelling the interaction between groundwater and river flow in an active alpine floodplain ecosystem

10:15 – 10:45 *Coffee Break*

10:45 – 11:30 **Engelhardt, C., W. Sauer, A. Krüger** – Floodplain inundation and river self purification: the case of a polder in the Lower Odra Valley

11:30 – 12:15 **Saha, J. K., M. R. Hasan, M. A. B. Habib, M.M. Ali** – Assessment of the biodiversity of macrobenthic fauna in Borobila Beel, Rangpur, Bangladesh

12:30 – 13:30 *Lunch*

13:30 – 14:15 **Saha, J. K., M. R. Hasan, M. A. B. Habib** – Plankton biodiversity in Boro Beel, Pabna, Bangladesh

Session 2: Soils, Nutrient Dynamics and Contamination

14:15 – 15:00 **Rinklebe, J.** – Floodplain soils of the central Elbe River - their classification, properties, contamination and dynamics

15:00 – 15:45 **Overesch, M., J. Rinklebe, G. Broll, H.-U. Neue** – Heavy metal and arsenic contamination of plants in floodplains of the central Elbe River (Germany)

15:45 – 16:15 *Coffee Break*

16:15 – 17:00 **Mukhortova, L. V.** – The influence of flooding on carbon storage in soils of forest ecosystems in the forest-tundra zone of Central Siberia

17:00 – 18:00 Poster session

18:00 – 19:00 *Dinner*

Tuesday, 13 Sept., 2005

7:45 – 9:00 *Breakfast*

Session 2 (continued)

9:00 – 9:45 **Plum, N.** – Worms and wetland water: The role of lumbricids and enchytraeids in nutrient mobilization from flooded soils

9:45 – 10:30 **Olaleye, A.A.O., A.O. Ogunkunle, B.N. Singh** – Nutrient dynamics in wetlands in Nigeria

10:30 – 11:00 *Coffee Break*

Session 3: Soil Fauna of Floodplains

11:00 – 11:45 **Baker, G. H., J. Lytton-Hitchins** – The impact of flood irrigation on invertebrate communities in cotton production systems on the floodplains of the Murray-Darling Basin in eastern Australia

- 11:45 – 12:30 **Lapteva, E., A. Kolesnikova, A. Taskaeva, J. Vinogradova, S. Degteva** – Biodiversity of floodplain soils in European north-eastern Russia
- 12:30 – 13:30 *Lunch*
- 13:45 *Excursion: Wetlands of the Pond-and-Lake District of Upper Lusatia, Germany*
- ca. 18:00 *Dinner*

Wednesday, 14 Sept., 2005

7:45 – 9:00 *Breakfast*

Session 3 (continued): Fauna (Annelids)

- 9:00 – 9:45 **Pižl, V.** – Earthworms in floodplain ecosystems - do they contribute to biodiversity of central European landscapes
- 9:45 – 10:30 **Kühle, J. C.** – The development of earthworm populations on selected floodplain sites of the rivers Elbe and Mulde after the great ("century") flood in 2002
- 10:30 – 11:00 *Coffee Break*
- 11:00 – 11:45 **Klok, C., M. Zorn, J. Koolhaas, H. J. P. Eijsackers, C. A. M. van Gestel** – Does reproductive plasticity in *Lumbricus rubellus* improve the recovery of populations in frequently inundated river floodplains?
- 11:45 – 12:30 **Schlaghamerský, J.** – The small annelids (Enchytraeidae, Tubificidae, Aeolosomatidae) of a South Moravian floodplain forest with a disturbed water regime
- 12:30 – 13:30 *Lunch*

Session 3 (continued): Fauna (Macroarthropods)

- 13:45 – 14:30 **Tajovský, K.** – Long-term changes of soil macrofauna (Oniscidea, Diplopoda, Chilopoda) in a floodplain forest after a disastrous summer flood
- 14:30 – 15:15 **Tuf, I. H., D. Pavel, J., Šárka** – Changes in soil macrofauna communities (Coleoptera: Carabidae, Isopoda: Oniscidea) during seven years after an irregular summer flood
- 15:15 – 16:00 **Zulka, K. P.** – Carabid assemblages of riparian habitats in the Austrian Donauauen National Park - a preliminary account.
- 16:00 – 16:30 *Coffee Break*
- 16:30 – 17:15 **Krumpálová, Z.** – Floods –Extreme conditions for degradation and recovery of epigeic spider communities

Session 3 (continued): Fauna (Microarthropods)

- 17:15 – 18:00 **Carnogursky, J.** – Soil Collembola in the different types of Danubian floodplains near the Gabčíkovo power-station (Slovakia)
- 19:00 *Conference Dinner in Görlitz*

Thursday, 15 Sept., 2005

7:45 – 9:00 *Breakfast*

Session 3 (continued): Fauna (Microarthropods)

- 9:00 – 9:45 **Griegel, A.** – Effects of the summer flood from 1997 on the Collembola- and Gamasida-fauna in floodplains of the Lower Oder Valley
- 9:45 – 10:30 **Taskaeva, A. A., Y. M. Lapteva, S. V. Degteva** – Successional influence of the vegetation cover in floodplain landscapes of the taiga zone on the structure of a soil Collembola complex
- 10:30 – 11:00 *Coffee Break*
- 11:00 – 11:45 **Russell, D.J.** – Community adaptations of soil Collembola to inundation intensity in the Upper Rhine Valley

- 11:45 – 12:30 **Kalúz, S.** – Soil mites (Acari) of the forests in floodplain areas of the rivers Danube and Morava
- 12:30 – 13:30 *Lunch*
- 13:45 – 14:30 **Kalúz, S.** – Soil mites (Acari) in meadow habitats with different soil moisture
- Session 4: Floodplain Management
- 14:30 – 14:15 **Mekotova, L.** – Consequences for integrated spatial planning and development
- 14:15 – 14:45 Coffee Break
- 14:45 – Posters, General Discussion, Closing Ceremony
- 18:00 – 19:00 *Dinner*

Friday, 16 Sept., 2005

- 7:45 – 9:00 *Breakfast*
Departure

Posters

Session 1: Hydrology and Aquatic Biodiversity

Birsan, M.-V., P. Molnar, V. Favre, P. Perona, P. Burlando – Floodplain forest dynamics in a hydrologically altered mountain river

Rahtkens, K. – Islands in the stream - how deadwood creates them

Session 2: Soils, Nutrient Dynamics and Contamination

Stork, F. R., C. Alewell – Investigation of organic matter decomposition in a groundwater enrichment site

Schwartz, R., J. Gerth, U. Förstner – Geochemical characterization and evaluation of the pollution value in high contaminated alluvial soils of the Spittelwasser Creek

Session 3: Soil Fauna of Floodplains

Pižl, V. – The effect of an episodic summer flood on earthworm assemblages in two central European hardwood floodplain forests

Schick, H. – Effects of different flood intensities on the earthworm and collembolan coenoses in floodplain ecosystems

Tufova, J. – Long-term recovery of populations of the millipede *Leptoiulus proximus* after a summer flood

Guhmann, P. – Influence of inundation on spiders (Araneae) in a floodplain on the river Rhine near Mainz

Gerisch, M., F. Dziock – Development of a bioindication-system for floodplain grassland with spiders (Araneae)

Marx, M., G. Eisenbeis – The Collembolan population of a floodplain of the middle Rhine region under the influence of inundation and extreme draught