

PROGRAMME

Tuesday, 17 May 2016

- 16.00 – 19.00 Registration (Mercure Hotel Potsdam)
19.00 Welcome dinner

Wednesday, 18 May 2016

Opening of the SWS meeting

- 08.30-9.00 Addresses of welcome by the vice-president of IGB (**Gunnar Nützmann**), by the organization committee (**Dominik Zak**), the head of the department “Water management” of the Environmental Agency of state Brandenburg (**Thomas Avermann**) and by SWS presidents (**Kimberli Ponzio and Jos Verhoeven**)



Keynote presentation I

- 09.00-9.30 Karsten Reise “Accommodating sea level rise: A new era for coastal wetlands?”

Please be informed that oral presentations should be no longer than ten minutes with two extra minutes for discussion. (With * marked sessions will have 20 minutes including discussion). Please also note, that we offer the opportunity for a short oral presentation of posters (2 minutes each). A poster award will be on Friday morning: please vote for one until Thursday evening!

Coffee break (9.30-10.00)

Session I: “Mitigation of conservation conflicts” (10.00-12.20)

Chairman: Rob McInnes

- I.1 *Apostolova, N., Talevski, T., Scarry, D., Lozanovska, M.: “Studenchishte Marsh as an integral part of ancient Ohrid Lake: a valuable resource worthy of protection”
- I.2 Lapin, K., Bernhardt, K.G.: “Monitoring and Management Conflicts of the Endangered Species *Stratiotes aloides* (L.)”
- I.3 Luthardt, V., Schulze, P., Schröder, C., Zeit, J.: “Decision Support Systems for peatland protection” (**Poster**)
- I.4 Harrington, R.: “Reanimating wetlands and associated habitats for sustainable water management in an agricultural catchment”
- I.5 Pusch, M., Beichler, S.: “Assessment of ecosystem services as a tool to manage conflicts in river floodplains subjected to multiple human uses”
- I.6 Zak, D., Kronvang, B., Hoffmann, C.C., van Diggelen, R., Augustin, J., Trepel, M., Gelbrecht, J., McInnes, R.: “Strategies mitigating restoration conflicts in the context of water, climate and species protection in the course of peatland rewetting”

- I.7 Verhoeven, J.T.A., Brouns, K., Ron Janssen “Stakeholder involvement in land use planning for adaptation to climate change”
- I.8 Heinkel, S.B., Rechenburg, A., Kistemann, T.: “Emotion matters - The meanings of a wetland in Uganda”
- I.9 Rebello, A.J., Esler, K.J., Meire, P.: “Water purification of unique South African Palmiet Wetlands”
- I.10 Everard, M.: “Linked ecological and socio-economic regeneration of catchment wetland systems in semi-arid Rajasthan, India”
- I.11 Schröder, C., Abel, S., Wichtmann, W., Joosten, H.: “Paludiculture - climate smart land use on peatland”

Lunch break (12.20-13.30)

Session II: “Knowledge transfer for wetland restoration” (13.30-15.20)

Chairman: Jos Verhoeven

- II.1 *Tanneberger, F., Barthelmes, A., Joosten, H.: “Extent and status of mires, peatlands, and organic soils in Europe as a basis for management”
- II.2 Wiersinga, W.A., Variara, G.: “Success factors for knowledge transfer on wetland restoration”
- II.3 Ponzio, K.J., Miller, S.J., Dobberfuhr, D.: “Methodology for Predicting Plant Communities in Wetland Restoration Areas from Hydrologic Data”
- II.4 McInnes, R.: “Building bridges across waterlogged ground: Novel drivers of wetland restoration in the UK”
- II.5 Gayet, G., Baptist, F., Caessteker, P, Clément, J.C., Gaucherand, S., Isselin-Nondedeu, F., Touroult, J., Barnaud, G.: “A new rapid method for assessing wetland functions in France.”
- II.6 Brouwer, E., van Kleef, H., Wilbers, A., Wiersinga, W.: “A key to 30 years of experience with lake restoration”
- II.7 Straková, P., Kaštovská, E., Urbanová, Z.: “FTIR as a screening tool in the evaluation of organic matter composition in peatlands during monitoring of their degradation and/or restoration success”
- II.8 Walter, J., Lück, E., Bauriegel, A., Zeitz, J.: “Geophysical monitoring of soil salinity at saline peatlands” (**Poster**)
- II.9 Joniak, T., Kuczyńska-Kippen, N., Pätzig, M., Kalettka, T.: “State of buffer strips of wetlands as the expression of human impact in agricultural landscape” (**Poster**)
- II.10 Semina, G.A., Oripova, A.A., Dinkelaker, N.V.: “Modern Ecological Risks for European Pearl Mussel” (**Poster**)
- II.11 Fell, H., Bauriegel, A., Roßkopf, N.: “An updated peatland map as a prerequisite for effective environmental management of wetlands” (**Poster**)

Coffee Break (15.20-15.50)

Session III: “Management of EU Life and Natura 2000 sites” (15.50-17.10)

Chairman: Matt Simpson

- III.1 *Ullrich, K.: “Peatland and biodiversity conservation in Germany - activities, successes and challenges”
- III.2 Zauft, M., Ruffer, J., Luka., S: “LIFE Feuchtwälder - Conservation and restoration of alluvial forests and bog woodland in Brandenburg”

- III.3 Zelnik, I., Toman, M.J., Gaberščik, A.: “Distribution and abundance of alien invasive species in riparian zones in relation to environmental factors”
- III.4 Kolligs, D.: “LIFE-aurinia - Resettlement of the Marsh Fritillary (*Euphydryas aurinia*) - from species conservation to wetland restoration”
- III.5 Pakalne, M.: “Peatland conservation and management in Latvia”
- III.6 Cristo, M., Pinto-Cruz, C., Alcazar, R., Monteiro, J.P.: “Conservation of Temporary Ponds in the Southwest Coast of Portugal: state of the art” **(Poster)**
- III.7 Golus, W.: “Protection of ponds in Poland: underestimated, unappreciated and underprotected”
- III.8 Joniak, T., Kuczyńska-Kippen, N. “Small ponds as reservoirs of biogenic accumulation in intensive agricultural area of the Wielkopolska Region (western Poland)” **(Poster)**
- III.9 Kuczyńska-Kippen, N., Joniak, T., B, Nagengast, B.: “A newly created pond supports various zooplankton communities” **(Poster)**

Coffee Break (17.10-17.30)

Keynote presentation II

17.30-18.00 Chris Freeman “Enhancing wetlands for carbon sequestration”

Session IV: “Greenhouse gas fluxes in managed wetlands” (18.00-19.00)

Chairman: Torsten Sachs

- IV.1 Koebisch, F., Glatzel, S., Koch, M., Sachs, T., Jurasinski, G.: “A question of time: On the temporal development of GHG budgets after peatland rewetting - a plea for multi-year approaches”
- IV.2 Dahms, T., Wichtmann, W., Schröder, C.: “Comparative greenhouse gas and energy balances of biomass utilization from drained and rewetted peatlands”
- IV.3 de Klein, J., Rulkens, J., Kosten, S.: “Greenhouse gas emissions from drainage ditches: effect of temperature and vegetation type”
- IV.4 Tiemeyer, B., Borraz, E.A., Augustin, J., Bechtold, M., Beetz, S., Beyer, S., Drösler, M., Ebli, M., Eickenscheidt, T., Fiedler, S., Förster, C., Giebels, M., Glatzel, S., Heinichen, J., Höper, H., Jurasinski, G., Leiber-Sauheitl, K., Peichl-Brak, M., Roskopf, N., Sommer, M., Zeitz, J., Freibauer, A.: “Methane emissions from semi-natural, drained and re-wetted peatlands in Germany”
- IV.5 Abed, R.B.B.: “Using next generation sequencing to understand the diversity and activity of microbial communities in a constructed wetland used to treat oil produced water”
- IV.6 Eleraky, W., Refat, N., Ellatif, M.A., Tahia, A., Khedr, N.: “Effects of nonsteroidal aromatase inhibitor on sex reversal of Nile Tilapia (*Oreochromis niloticus*)” **(Poster)**
- IV.7 El-Nobi, G., El-Bouhy, Z., Hassanin, M., El-Rahman, A.A. “Effect of unionized ammonia on virulence of *Clostridium perfringens* in *Oreochromis niloticus*” **(Poster)**

20.00 **Movie „Magic bogs”**

Thursday, 19 May 2016

- 8.00-18.30 Guided field trips to rewetted fen grasslands and acid mining lakes, bus starts from conference venue Mercure Hotel
- 20.00 Conference dinner (Boat trip)

Friday, 20 May 2016

8.30- 8.50 "Future prospects of SWS European chapter and Poster Award" (Jos Verhoeven)

08.50 SWS European Chapter Business Meeting

Session V: „Management and biogeochemistry of wetlands” (09.50-11.30)

Chairman: Franziska Tanneberger

- V.1 *Čížková, H., Květ, J., Eiseltová, M.: “Wetlands in Agricultural Landscapes - Conference Report”
- V.2 Silvestri N., Sabbatini T., Cantini V., Barbagli A., Giannini V., Rossetto R., Pistocchi C., Bonari E.: “Can peatland rewetting improve the water quality coming from the drainage of the surrounding areas?”
- V.3 Craft, C., Marton, J., Hopple, A., Richards, A.: “Restoring Freshwater Wetlands in Agricultural Landscapes: Lessons from the U.S. Corn Belt”
- V.4 Hoffmann, C.C., Bidstrup, J.: “Lake Vilsted 10 years after re- establishment”
- V.5 Dinkelaker, N.V., Zavialova, V.V.: “The use of floating mats structure dynamics of the Neva estuary in Gulf of Finland as a response on anthropogenic press” (**Poster**)
- V.6 Giannini, V., Bertacchi, A., Silvestri, N., Di Franco, C., Bonari, E.: “Renaturation dynamics after the rewetting of a Mediterranean agricultural peatland” (**Poster**)
- V.7 Germ, M., Remec-Rekar, S., Gaberščik, A.: “Weather conditions and chlorophyll concentrations in water column affect macrophyte community in Lake Bohinj”
- V.8 Charvátová, H.: “The influence of littoral zone to nutrient removal”
- V.9 Klančnik, K., Zelnik, I., Gnezda, P., Gaberščik, A.: “The reflectance spectra of monospecific stands depend on stand morphology”
- V.10 Edwards, K.R., Kaštovská, E., Borovec, J., Fleischmannová, I., Šantrůčková, H., Pícek, T.: „Root exudate quantity and quality differ both seasonally and between species in spruce swamp forests“
- V.11 Fabšičová, M., Šumberová, K., Ducháček, M., Rosenbaumová, R., Potužák, J.: “Soil seed bank of Dehtář fishpond (South Bohemia, Czech Republic): species composition, patterns and processes” (**Poster**)

Coffee break (11.30-12.00)

Session VI: “Intelligent use of Buffer Strips: The Buffertech project” (12.00-13.30)

Chairman: Jan Vymazal

- VI.1 Kronvang, B., Baattrup-Pedersen, A., Hoffmann, C.C., Hille, S., Zak, D., Rubæk, G., Heckrath, G., Dalgaard, T., Olsen, S.B., Uggeldahl, K., Gertz, F., Wiborg, I.A., Jensen, H., Egemose, S., Jørgensen, C., Møller, H.B., Stutter, M.: “Experiences gained from the Danish BufferTech project on the multifunctionality of Buffer Strips”
- VI.2 Egemose, S., Dalby, B., Jørgensen, C., Hoffman, C.C., Kronvang, B., Jensen, H.S.: “P retention in integrated bufferzones - and potential of enhanced P removal by Fe addition”
- VI.3 Zak, D., Kronvang, B., Hoffmann, C.C., Audet, J., Jensen, H.S., Egemose, S., Jørgensen, C.A., Feuerbach, P., Gertz, F.: “Nitrate removal in intelligent buffer zones: a first evaluation”
- VI.4 Hille, S., Heckrath, G.J., Rubæk, G.H.: “Is storage of P in Buffer Zones and Soils close to Water Courses related to the local Landscape Shape?” (**Poster**)

- VI.5 Uggeldahl, K., Olsen, S.B., Bonnichsen, O.: “Public preferences for buffer strips in Denmark: An economic valuation study”
- VI.6 Feuerbach, P., Strand, J.A., Feuerbach-Wengel, L.: “Measures for improved ecological status of streams: Constructed Wetlands and Integrated Buffer Zones in Sweden”
- VI.7 Heckrath, G.J. “Distributed water erosion modelling for evaluating scenarios of riparian buffer zone placement in Denmark”
- VI.8 Cochran, M.W., Skovgaard, H., Moeslund, B.: “Surface flow constructed wetlands with filter matrix targeting drainage water” (**Poster**)
- VI.9 Krogsgaard, M., Hille, S., Baattrup-Pedersen, A.: “Topsoil removal and seed addition as a management tool to improve biodiversity in buffer strips” (**Poster**)

Lunch break (13.30-14.50)

Session VII: “Pollution control and biogeochemistry of constructed wetlands” (14.50-17.00)

Chairman: Chris Craft

- VII.1 Liu, H., Kleimeier, C., Lennartz, B.: “Denitrification in Peat Soils in Relation to Flow Conditions”
- VII.2 Cabezas, A., Gelbrecht, J., Zak, D.: “Sulfate pollution in freshwater ecosystems”
- VII.3 Wiehe, J., Linkert, A., Gelbrecht, J., Zak, D., Cabezas, A.: “Effects of organic carbon availability and iron concentration on sulfate removal by created wetlands” (**Poster**)
- VII.4 Vymazal, J., Březinová, T.D.: “Occurrence and Removal of Pharmaceuticals in Constructed Wetlands in the Czech Republic”
- VII.5 Carty, A., Crabbe, D., Harrington, R.: “A Integrated Constructed Wetland (ICW) for the Treatment of Combined Municipal Wastewater at Stoneyford, Northern Ireland.”
- VII.6 Bydąłek, F., Myszograj, S., Dera, M.: “Microbial seasonal activity in vertical flow constructed wetland”
- VII.7 Březinová, T.D., Vymazal, J.: “Accumulation of heavy metals in aboveground and belowground biomass of *Phalaris arundinacea*”
- VII.8 Střelcová-Svobodová, K., Kvet, J.: “Habitats and Performance of *Calla palustris L.* in the Field and under Experimental Conditions”

17.00 Closing address by the SWS president (Kimberli Ponzio)