Dr. Markus Venohr

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Research competences

Nutrient fluxes from land to sea
Nutrient transport and transformation
Biotic-abiotic coupling
River system modelling
Climate change and management adaptation
Recreation ecology

Education

2001 – 2005	PhD, Humboldt-University Berlin (GER)
1996 - 2000	Study of Geography, Meteorology and Oceanography, Christian-Albrechts University Kiel (GER)
1994 – 1996	Study of Geography, Ruhr-University Bochum (GER)

Professional appointments

since 2009	Senior scientist, Head of research group, IGB (GER)
2006 - 2008	Post-doc: IGB (GER)
2005	PhD, Humboldt-University Berlin (GER)

Recent Projects

AQAUTAG	Recreational activities on rivers and lakes: dynamic, ecological impacts, social significance and sustainable management, contract no. 033W046, 01.03.2017-31.12.2017.
OSCAR	Optimizing the configuration of woody riparian buffer strips along river to enhance biodiversity and ecosystem services. Contract no. BiodivERsa-2015-108, 01.03.2017-28.02.2020.
MARS	Managing Aquatic ecosystems and water Resources under multiple Stress, PI, funded by the European Union under the 7th Framework Programme, contract no. 603378, 01.02.2014-31.01-2018.
RESI	River Ecosystem Service Index (RESI), funded by the Federal Ministry of Education and Research, Funding no. 033W024A-K, 01.06.2015 – 31.05.2018.

Experiences as consultant

Since 2005 Dr. Venohr is active as consultant (various ongoing contracts) for several national and international river communities:

- International Commission for the Protection of the River Danube (IKSD)
- International Commission for the Protection of the River Oder against Pollution (IKSO)
- River Basin Community Elbe (FGG Elbe)
- River Basin Commission Weser (FGG Weser)

Board member of the IWA – diffuse pollution specialist group since 08.2015

Five relevant publications from last five years (2012-2017)

Fischer, P., Pöthig, R. and **Venohr, M.** (2017): The degree of phosphorus saturation of agricultural soils in Germany: Current and future risk of diffuse P loss and implications for soil P management in Europe. Sci. Total Environ. 599–600, 1130–1139. doi:10.1016/j.scitotenv.2017.03.143.

Ackermann, A., Mahnkopf, J., Heidecke, C. and **Venohr, M.** (2016): Reducing agricultural nitrogen inputs in the German Baltic Sea catchment – trends and policy options. Water Sci. Technol. 74, 1060–1068. doi:10.2166/wst.2016.267.

Hering, D., Carvalho, L., Argillier, C., Beklioglu, M., Borja, A., Cardoso , A. C., Duel, H., Ferreira, T., Globevnik, L., Hanganu, J., Hellsten, S., Jeppesen, E., Kodeš, V., Solheimn, A.L., Nõges, T., Ormerod, S., Panagopoulos, Y., Schmutz, S., **Venohr, M.** and Birk, S. (2015): Managing aquatic ecosystems and water resources under multiple stress — An introduction to the MARS project, Science of the Total Environment, 504: 10–21.

Natho, S. and **Venohr, M.** (2014): Active versus potential floodplains–the effect of small flood events on nutrient retention along the river Elbe corridor (Germany), Aquatic Science, 76, 633-642.

Hirt, U., Mahnkopf, J., Gadegast, G., Czudowski, L., Mischke, U., Heidecke, C., Schernewski, G., **Venohr, M.** (2014): Reference conditions for rivers of the German Baltic Sea catchment: reconstructing nutrient regimes using the model MONERIS, Reg Environ Change, 14, 1123–1138.