



## INVITATION TO SEMINAR

# Monitoring of reduction of micropollutants by various wastewater treatment plants in river Schüssen – project Schüssenaktivplus

Research stay at Universität Tübingen, Institut für Evolution und Ökologie,  
Tübingen, Germany

**Dr. Martin Beníšek**

Date: 8.4.2014, 9:00

Venue: lecture room RCX1 (A29/252), 2nd floor, Research Centre for Toxic  
Compounds in the Environment, Faculty of Science, Masaryk University,  
Kamenice 5, Brno

### Syllabus of lecture:

Advanced systems in wastewater treatment plants (WWTPs) such as active coal filters or sand filters can improve the quality of waters that are released to rivers. In our part of project Schüssenaktivplus we focused on monitoring of improvement of several parameters, such as dioxin-like activity or endocrine disruptive activity of WWTPs effluents after installation of advanced systems. These parameters were investigated by various *in vitro* bioassays and some of the results will be introduced. Out of classical WWTPs also other systems such as stormwater overflow tank or retention soil filter included and is studied whether they can also improve the quality of water. Our data are compared with data of other research groups from this project and discussed.