Water Science Alliance e.V.

BGR Bundesanstalt für Geowissenschaften und Rohstoffe

10th Water Research Horizon Conference 2019
19 June 2019 | Geozentrum Hannover

Information of Open Space Workshop e

Innovative ideas for boosting nature-based solutions for climate change adaptation and mitigation

Organizer and Moderator:
Dr. Catalin STEFAN | Research Group INOWAS, Technische Universität Dresden (TUD)

Session A. Flash Presentations (45 min)**:**

Topic (working titles)	**Convener / Institution**
Introduction of workshop motivation and objectives	Dr. Catalin STEFAN Research Group INOWAS, Technische Universität Dresden, Germany (TUD)
'Sponge Cities' in China – lessons learned for land-use planning and stormwater management practices	Dr. Lothar FUCHS Institute for Technical and Scientific Hydrology, Germany (itwh GmbH)
Groundwater-based natural infrastructure - a missing component of nature-based solutions	Dr. Karen G. Villholth (tbc) International Water Management Institute, South Africa (IWMI)
Nature-based MAR solutions: Options for improving urban drinking water supply, example N'Djamena, Chad	Dr. Maike GRÖSCHKE Federal Institute for Geosciences and Natural Resources, Germany (BGR)
Addressing the risks associated to managed aquifer recharge through real-time, web-based modelling	M.Sc. Jana GLASS Research Group INOWAS, Technische Universität Dresden, Germany (TUD)

Session B. Staged debate: "Green/Blue vs. Grey/Brown" (15 min):

The session will include a debate between one 'supporter' of green infrastructure and nature-based solutions and one 'supporter' of grey infrastructure and conventional water management practices. The candidates must promote the two approaches by making short statements and answering the questions from moderator and participants. The debate shall reveal the pros and cons of each approach, together with the identification of potential research gaps.

Session C. Interactive discussion (45 min):

Starting from the impulse presentations and building-up on the outcomes of the staged debate, the discussions will focus on the compilation of a list of most important water-related societal challenges that we are facing today (or in the near future) and the identification of nature-based solutions for

water management that could possibly be used to tackle these challenges. A simple ranking system will be used to prioritize the measures identified, which will lead to a shortlist of topics that should be addressed by future research initiatives.

Session D. Conclusions and way forward (15 min):

The discussions will be wrapped-up as basis for a general statement to be submitted to the conference organizers.