AquaNES
Demonstrating Synergies in Combined Natural and Engineered Processes for Water Treatment Systems

BLUE PLANET Berlin Water Dialogues

BLUE PLANET Berlin Water Dialogues meets AquaNES

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Inspired by Nature: Combining Natural and Engineered Systems in Water Management

9 April 2019, **9:00 am – 5:00 pm**
at Berlin-Brandenburgische Akademie der Wissenschaften,
entrance via Markgrafenstrasse 38, 10117 Berlin

Water management requires intensive cooperation across sectors and disciplines. Yet, bringing oneself to thinking beyond the individual silo is a hard and continuous process, especially as natural and economic environments become more and more unpredictable. Join BLUE PLANET Berlin Water Dialogues to challenge assumptions and to bridge the gap across sectors and disciplines.
This year, Germany's leading platform for the exchange on water-related issues partners with the EU Horizon 2020 project AquaNES which demonstrated the feasibility and effectiveness of combining natural and engineered systems for water treatment systems (cNES). In discussions with representatives from the private and public sectors, academia, and non-governmental organizations, the potential of cNES will be analyzed while representatives from AquaNES present innovations that emerged from the project. A panel discussion with agents from water utilities and the private sector beyond the AquaNES network will add to the multi-faceted exchange on water management challenges, including those that crystallized from past BLUE PLANET Berlin Water Dialogues.

Preliminary Program

8:30	Registration Welcoming Remarks
09:00	**Thomas Stratenwerth**, Head of Division, Fundamental, International and European Aspects of Water Management, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
09:20	**Jörg Simon**, Chairman of the Board, Berliner Wasserbetriebe
	Keynote Address
09:30	**Leaving no one behind in access to water and sanitation – the potential of nature-based solutions** Stefan Uhlenbrook, Coordinator and Director, United Nations World Water Assessment Programme (UNESCO WWAP)

Funding authorities

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Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
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be Berlin
Senate Department for Economics, Energy and Public Enterprises

Project lead

KOMPETENZZENTRUM Wasser Berlin

Project office

German Water Partnership

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	Introducing cNES		
10:00	**Addressing water management challenges with cNES** Thomas Wintgens, Coordinator, AquaNES		
10:30	Coffee Break		
	From Research into Practice – Lectures followed by Q/A:		
11:00	**Ozonation combined with natural filtration processes - water quality gains** Regina Gnirss, Berliner Wasserbetriebe		
11:30	**Flexible use of modified retention soil filters to treat wastewater treatment plant effluent and combined sewer overflow** Andrea Brunsch, Erftverband		
12:00	**Tailored ICT tool for optimised operation of a managed aquifer recharge site** Axel Aurouet, Geohyd Antea Group		
12:30	**Realising combined natural engineered systems (cNES) – Insights from public perceptions and governance** Heather Smith, Cranfield University		
13:00	Lunch		
	AquaNES Responses to Water Management Challenges: International demonstration cases for combined natural and engineered systems		
13:45	**Membranes to complement bank filtration**	**Solutions for rural communities, remote locations and emerging countries**	**Managed aquifer recharge – pros and cons of advanced oxidation processes for pre-treatment**
	Room I	Room II	Room III
14:15	Rotation		
14:30	**Resilient bank filtration: operational & design concepts**	**cNES performance assessment challenges – tools and methods to manage water safety**	**Creating multifunctional cNES**
	Room I	Room II	Room III
	Discover more! You can learn more about the projects in the **Gallery**		
15:00	Coffee Break		
	From Research into Practice – Panel Discussion Followed by Q&A		
15:30	**Made to last? Opportunities in current water management research in addressing pressing implementation challenges**		
	Inspirational lecture		
16:30	**Combining natural and engineered systems for Water-wise Cities** Corinne Trommsdorff**,** Head of the IWA Water-Wise Cities Initiative		
17:00	Farewell		

Participation is free of charge.

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