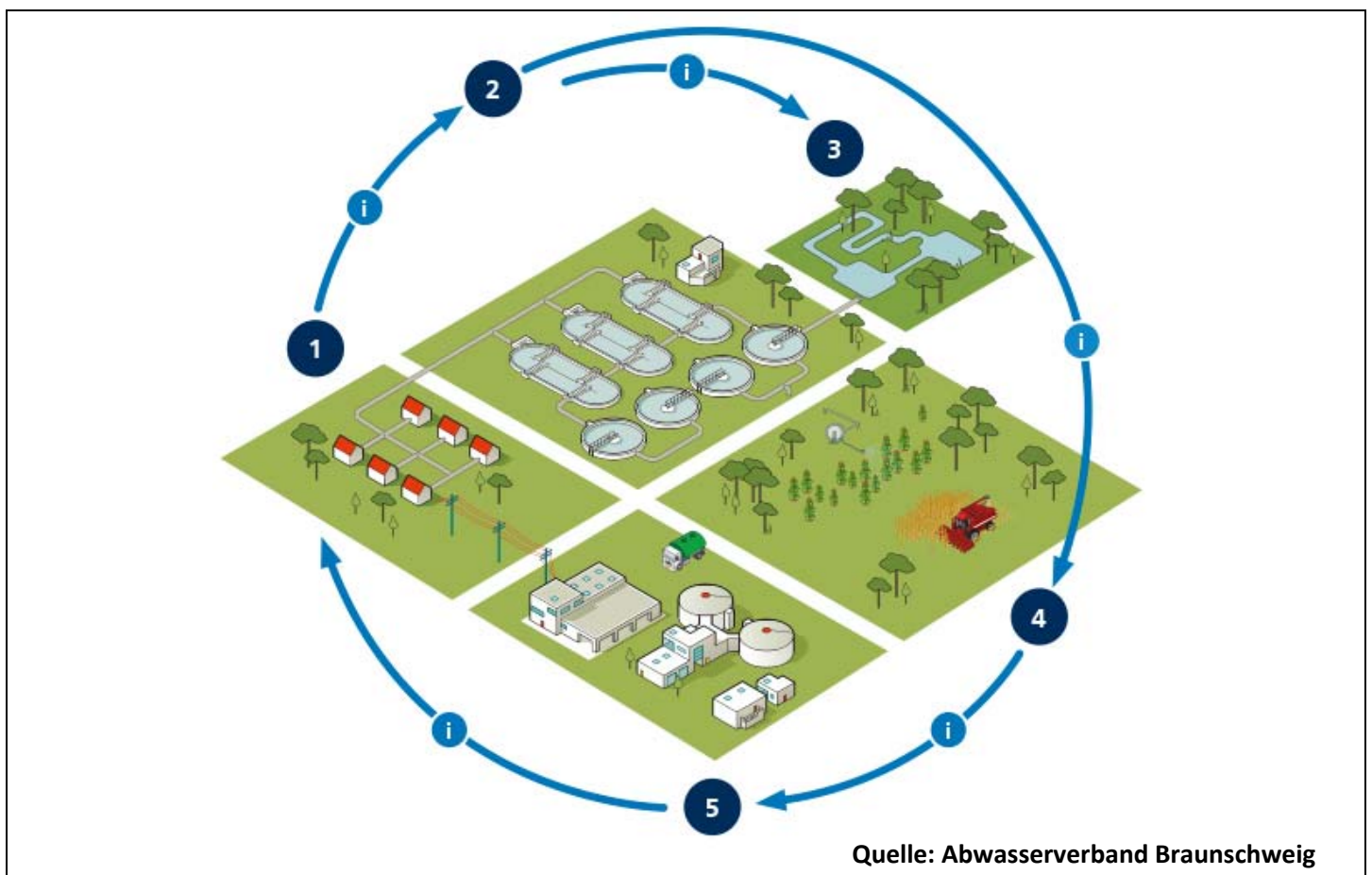


Summer School on

Integrated Concepts on the Management of Water and Wastewater

October 25 – November 04, 2015 / Braunschweig, Germany



Overview

The world is facing challenges like climate and demographic change, increasing world population and commodity prices as well as water scarcity. These aspects have an effect on the water and wastewater sector.

The target of centralised sewer and wastewater treatment systems (so called end-of-pipe systems) is to reduce the environmental pollution. Therefore, centralised systems are eliminating valuable resources like organic compounds (renewable energy) as well as nutrients like nitrogen and phosphorus. Furthermore, these treatment plants have high operation and investment costs.

In this regard, integrated concepts are combining centralized and near-to source solutions for treating wastewater as well as integrating technological and economic / financial aspects and become more and more attractive. Integrated concepts are taking into consideration the specific local settings and institutional framework for operating wastewater infrastructure. Furthermore, sociological and ecological aspects are reconsidered.

Objectives

The workshop main objective is to share experiences, knowledge, and research results among the lecturers and students and to discuss main problems and challenges as well as integrated concepts to face the problem in the field of wastewater management worldwide.

Topics

- Integrated concepts on the management of water and wastewater and its resources
- Decentralized system solutions and reuse concepts
- Innovative wastewater discharge and transport systems
- Integrated management of organic material flows
- Adaption strategies and system integration
- Adapted multi-criteria evaluation processes
- Solutions for integrated concepts of urban and rural planning

Workshop Organization

The workshop will take place in Braunschweig, Germany. The Institute of Sanitary and Environmental Engineering at Technical University of Braunschweig will host the workshop in Braunschweig within the framework of Exceed project that is funded by the German Academic Exchange Services (DAAD). In connection with the summer school the participants will take part at the International Symposium Re-Water. Thus the entire summer school lasts over 11 days from the arrival on Sunday, 25th of October 2015 until the departure on Friday, 4th of November 2015.

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SCHEDULE

Day	Date	Activity
Sunday	25.10.2015	ARRIVAL
Monday	26.10.2015	Lectures Oral presentation of participants
Tuesday	27.10.2015	Lectures Oral presentation of participants
Wednesday	28.10.2015	Oral presentation of participants
Thursday	29.10.2015	Working Groups
Friday	30.10.2015	Working Groups
Saturday	31.10.2015	Field trip to the wastewater treatment plant Braunschweig
Sunday	01.11.2015	Sightseeing in Braunschweig city
Monday	02.11.2015	Participation in the International Symposium Re-Water
Tuesday	03.11.2015	Participation in the International Symposium Re-Water
Wednesday	04.11.2015	DEPARTURE

Target Audience:

The participants expected are preferably advanced master students, PhD-students, post-docs interested in acquiring knowledge and competence in wastewater management.

Number of participants:

The number of participants is limited to 19. Candidates from the SWINDON/exceed partner universities are to be given first priority. Practitioners, decision-makers and trainers intending to transfer the acquired knowledge and skills directly into engineering of integrated systems will also be given priority. Selected candidates shall be inspired to submit contributions for oral presentations in the specific field of integrated concepts.

Application:

Please apply online until **July 05, 2015** at <http://www.exceed.tu-braunschweig.de/apply/summerschool>. Submit your CV and an abstract (one page) regarding your research on integrated concepts.

Among all applicants, 19 will be selected. Every candidate will be informed about the outcome of his/her application **before End of July 2015**.

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Contact Organising Institution:

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