

Summer School on

Solid waste and wastewater management in developing countries: challenges and perspectives

June 9 (arrival) – June 15 (departure), 2019 / Lomé, Togo



Overview

Rapid population growth, urbanization, industrialization and changing consumption patterns worldwide have led to an overall increase in the generation of waste in both rural and urban areas. Management and treatment of such waste has become a serious challenge in most developing countries largely due to institutional, financial, and technical shortcomings. Poor waste management may lead to a number of environmental and health issues such as: contamination of surface and ground waters; contamination of soils; spreading of diseases by different vectors like birds, insects, and rodents; odour in landfills; and uncontrolled release of methane by anaerobic decomposition of waste. Failure by most developing countries to adequately manage solid waste and wastewater is, therefore, negatively affecting their ability to achieve the Sustainable Development Goals.

Implementation of appropriate solid waste and wastewater management interventions requires a systematic analysis of the sources and types of waste generated; the availability of resources and the environmental conditions of a particular society. This therefore requires a multidisciplinary approach to solid waste and wastewater management.

Objectives

On successful completion of the Summer School, the participants will have acquired knowledge on the various solid waste and wastewater management technologies available worldwide; the challenges local governments in developing countries face in implementing waste management programmes and the potential benefits arising from implementation of sustainable waste management programmes.

Topics

The main topics will be:

- waste and wastewater management (risk, challenges and perspectives in developing countries)
- waste and wastewater composition for management concepts
- a model of better urban sanitation in developing countries
- international cooperation for enhancing urban sanitation in developing countries
- negative impacts of solid waste and wastewater on water resources
- types of urban solid waste management
- solid urban waste composting, recycling, reuse...
- applied technologies for waste and wastewater management in developing countries.

Workshop Organization

The Summer School will take place in Lomé, Togo. The University of Lomé will host the summer school within the framework of Exceed-Swindon project that is funded by the German Academic Exchange Services (DAAD).

SCHEDULE

Day	Date	Activity
Sunday	09.06.2019	ARRIVAL
Monday	10.06.2019	Keynote Oral presentation of participants
Tuesday	11.06.2019	Keynote Oral presentation of participants
Wednesday	12.06.2019	Field trip
Thursday	13.06.2019	Keynote Oral presentation of participants
Friday	14.06.2019	Work Groups working on a special problem that was defined at first day of the summer school
Saturday	15.06.2019	DEPARTURE

Target Audience:

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

Number of participants:

For student participants the number of participants is limited to 20. Participants from exceed-Swindon partner universities are given first priority.

Keynote speakers can be researchers/experts from universities, state agencies and non-private research institutions who will exchange and report about latest research results and share knowledge and skills with the participants. The number is limited to 3.

Experts from industry and private institutions cannot be funded.

Student applicants and keynote speakers are asked to submit extended summaries (**upload and apply the template file mentioned in the announcement:**

<http://ssa.exceed-swindon.org/announcements/>

of their presentations dealing with the topic of the summer school.

Deviation from the template will not be accepted!!!

Application:

Please apply online until **January 30, 2019** under:

<http://ssa.exceed-swindon.org/apply-for-a-summer-school-or-workshop/>

Each candidate will be informed about the outcome of his/her application **28 Feb 2019**.

Funded by



DAAD

Contact Organising Institution:

TU Braunschweig
Institute of Waste and Resources Management
Beethovensr. 51a
D-38106 Braunschweig, Germany
Email: isww@tu-braunschweig.de
Tel.: +49 531 391 3970

Venue:

University of Lomé
Prof. Gnon Baba
Faculté Des Sciences; Université de Lomé
Laboratoire GTVD (Gestion, Traitement, Valorisation des Déchets)
gnonbaba@gmail.com;
gbaba@tg.refer.org;

TU Braunschweig EXCEED Head Office:

Prof. Dr. Andreas Haarstrick
Scientific Coordinator
Excellence Center for Development Cooperation
Sustainable Water Management
Beethovenstraße 51a
D-38106 Braunschweig, Germany

Exceed-Swindon website:

www.exceed-swindon.org

Funded by



Federal Ministry
for Economic Cooperation
and Development



DAAD