

17-19 MAY 2017  
DRESDEN, GERMANY

DEUTSCHES HYGIENE MUSEUM



WATER, SOIL AND WASTE

# DRESDEN NEXUS CONFERENCE

DNC 2017 | SDGs & NEXUS APPROACH:  
Monitoring and Implementation



UNITED NATIONS  
UNIVERSITY

**UNU-FLORES**

Institute for Integrated Management  
of Material Fluxes and of Resources



TECHNISCHE  
UNIVERSITÄT  
DRESDEN



Leibniz Institute of  
Ecological Urban and  
Regional Development

## BACKGROUND



The Dresden Nexus Conference (DNC) is an international platform to foster cooperation and collaboration amongst all actors and sectors involved in a Nexus Approach to managing environmental resources. DNC is a biennial conference in Dresden, Germany organised by the United Nations University Institute for Integrated Management of Material Fluxes and of Resources (UNU-FLORES), the Technische Universität Dresden (TU Dresden), and the Leibniz Institute of Ecological Urban and Regional Development (IOER).

Working across sectors, DNC brings together researchers and implementers (policy- and decision makers) from universities, national and international organisations, UN organisations, ministries and governmental agencies, as well as individual scholars, stakeholders from the private sector, and civil society from around the world.



*Photo: R.Vigh/IOER*

The main objective is to showcase nexus-oriented research and case studies at the interface between the Sustainable Development Goals (SDGs) and the water-soil-waste nexus, which demonstrate the link between research and policy/implementation. Strengthening that link requires looking in depth at monitoring and implementation strategies. DNC2017 will, thus, address issues related to data requirements as well as data management and its link to resources management. The conference will also deal with governance frameworks for integrated resources management, incentives for resource recovery and efficiency, and the economic framework facilitating the implementation of sustainable environmental resources management strategies.

## CONFERENCE TOPIC

## SUSTAINABLE DEVELOPMENT GOALS & THE NEXUS APPROACH: MONITORING AND IMPLEMENTATION



[sustainabledevelopment.un.org/sdgs](https://sustainabledevelopment.un.org/sdgs)

Looking at the Nexus Approach as a tool for achieving the SDGs, DNC2017 will consider examples and case studies addressing monitoring and implementation strategies targeting research, education, and advocacy.



### **Theme 1: Multifunctional Land-Use Systems –**

Integrative resources management in rural areas and respective ecosystem services in rural land-use systems



### **Theme 2: Resources Management in Resilient Cities –**

The provision, recovery, and reuse of resources and the respective infrastructures in urban environments

## EXPECTED OUTCOMES

Addressing questions and issues related to monitoring and implementation strategies for a Nexus Approach in **multifunctional land-use systems** and for **resources management in resilient cities**, DNC2017 aims to

- › **Provide** scientific evidence for – and quantification of – benefits from applying a Nexus Approach to the management of water, soil, and waste resources, including the identification of required data, information, and indicators;
- › **Identify** knowledge gaps and priorities for research, education, and policy advice related to integrated management of water, soil, and waste;
- › **Engage** Member States and donors in the discussion of needed individual and institutional capacities and appropriate strategies for implementation of a Nexus Approach, including creating incentives and removing barriers to unlock the potential of a green economy.



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## SESSION TOPICS



Photo: HuyThoai//Stock

### **MULTIFUNCTIONAL LAND-USE SYSTEMS**

#### **A.1 Wastewater Reuse in Nexus Perspective: Environmental, Economic, and Societal Opportunities**

› Co-Convenors: United Nations Environment Programme (UNEP), German Development Institute (DIE), UNU-FLORES

#### **A.2 Resource Recovery and Reuse in Multifunctional Land-Use Systems**

› Co-Convenors: United Nations University Institute for Water, Environment and Health (UNU-INWEH), International Water Management Institute (IWMI), UNESCO International Hydrological Programme (UNESCO-IHP)

#### **A.3 Roles of Multifunctional Reservoirs in the SDG Agenda**

› Co-Convenors: Global Water Partnership (GWP), International Hydropower Association (IHA), African Network for Basin Organizations (ANBO), Nepal Water Conservation Foundation, UNESCO-IHE Institute for Water Education

#### **A.4 Water- and Soil-Related Ecosystem Services Provided by Forests and Agroforestry Systems**

› Co-Convenors: International Union of Forest Research Organizations (IUFRO), World Agroforestry Centre (ICRAF), TU Dresden, UNU-FLORES

#### **A.5 Tools, Data, and Instruments for Management of Environmental Resources**

› Co-Convenors: Texas A&M University, Center for Environmental Systems Research (CESR), UNU-FLORES

#### **A.6 Monitoring and Assessment of Resource Use in Multifunctional Land-Use Systems**

› Co-Convenors: Center for Environmental Systems Research (CESR), Wrocław University of Environmental and Life Sciences (WUELS), United Nations University Institute for Natural Resources in Africa (UNU-INRA)



*Photo: Michael Löser/  
Landeshauptstadt Dresden*

## **RESOURCES MANAGEMENT IN RESILIENT CITIES**

### **B.1 Adaptation of Cities to Global Change for Urban Resilience**

› Co-Convenors: Global Change Research Institute of the Czech Academy of Sciences (CzechGlobe), United Nations University Institute for Environment and Human Security (UNU-EHS)

### **B.2 Smart Green Cities and the Water-Soil-Waste-Energy Nexus**

› Co-Convenors: IOER, International Eco-Cities Initiative - University of Westminster

### **B.3 Water Scarcity and Urbanisation: Integrated Management of Water Supply and Sanitation**

› Co-Convenors: TU Dresden and Helmholtz Centre for Environmental Research (UFZ) jointly as Center for Advanced Water Research (CAWR), Wrocław University of Environmental and Life Sciences (WUELS)

### **B.4 Nature-Based Solutions for Resilient and Sustainable Cities**

› Co-Convenors: IOER, United Nations Environment Programme (UNEP)

### **B.5 Assessing Resilience at the City Level: Methods, Frameworks, Models, and Tools**

› Co-Convenors: Watercycle Research Institute (KWR), University of Exeter, Arup International Development

### **B.6 Monitoring and Assessment of Resource Use in Resilient Cities**

› Co-Convenors: UN-Habitat, UNU-FLORES



## **CROSS-THEMATIC TOPICS**

### **X.1 Knowledge Management and Transfer for Adoption of a Nexus Approach and Achieving SDGs**

> Co-Convenors: TU Dresden, UNESCO-IHE Institute for Water Education

### **X.2 New and Refined Approaches Supporting the Implementation of a Nexus Approach**

> Co-Convenors: UNU-FLORES, Wageningen University

### **X.3 A Systematic Approach to Map SDG Interactions for Practical Decision-Making**

> Co-Convenors: German Development Institute (DIE), Mercator Research Institute on Global Commons and Climate Change (MCC), Stockholm Environment Institute (SEI), German Committee Future Earth

### **X.4 Building Up Monitoring and Reporting on SDGs based on Sub-National and National Efforts**

> Co-Convenors: International Institute for Sustainable Development (IISD)

## REGISTRATION



Photo: R.Vigh/IOER

The participation in DNC2017 is open to all. The scope of the conference makes it particularly interesting for policy-makers and managers of environmental resources; national and international organisations; academic, educational and research institutions; NGOs; and others who work on or are interested in environmental resource management. We look forward to welcoming you to the conference.

<b>28 February 2017</b>	Deadline for early bird registration
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<b>17 April 2017</b>	Deadline for regular registration
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The registration for the conference is supported by Converia, a conference management application. To begin the registration process you have to create an account. With this account you can register and manage your participation during the entire event.

**Participants who have submitted a proposal do not need to create a new account. You can use the same account created during the submission process.**

If you have any questions, please contact the conference secretariat.

*Conference Fees:*

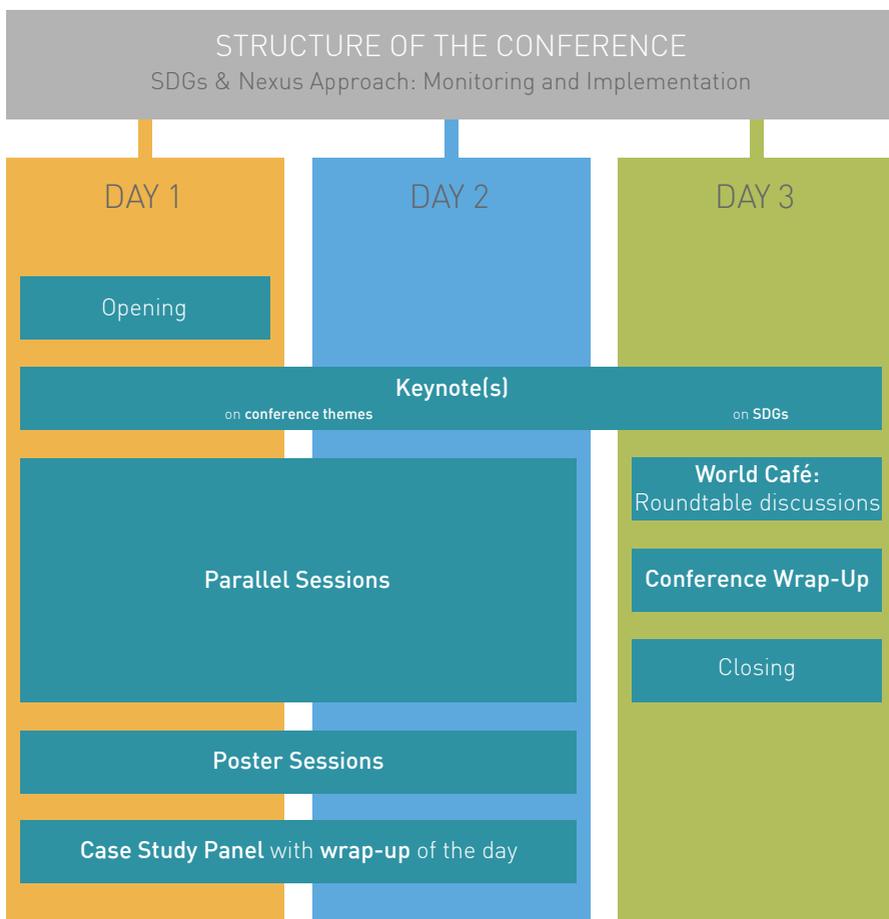
	General Participant	Student
Early Bird Price (registration until 28 February 2017)	150	75
Regular Price (1 March to 17 April 2017)	250	100

To **register** for the Dresden Nexus Conference 2017, please check our website for more information:

[www.dresden-nexus-conference.org/2017/participation/registration](http://www.dresden-nexus-conference.org/2017/participation/registration)

## STRUCTURE

Starting Wednesday, 17 May 2017, over two and a half days the organisers will provide participants the opportunity to engage with the topic of the conference in a structured, innovative, and thought-provoking manner. A variety of both traditional and new session styles are combined in a schedule that ensures a harmonised discussion and synthesis of the daily content – through keynote speeches and panel discussions on case studies in the plenary sessions. Simultaneously, the proposed schedule offers multiple opportunities for more intimate rigorous discussions in the parallel sessions, during poster sessions, and in roundtable discussions.



## VENUE



Photo: dhmd.de

In 2017 we will be returning to the Deutsches Hygiene Museum located near the historical city centre of Dresden and well connected to the airport by public transportation.

## IMPORTANT DATES

<b>18 May 2016</b>	Open of the Call for Abstracts for presentations
<b>31 July 2016</b>	Deadline for submitting abstracts
<b>31 October 2016</b>	Notification of acceptance of abstracts
<b>1 November 2016</b>	Open early-bird registration
<b>28 February 2017</b>	Deadline for early-bird registration Deadline for submission of final presentations
<b>17 April 2017</b>	Deadline for registration

For more information about DNC2017, please visit:

**[www.dresden-nexus-conference.org](http://www.dresden-nexus-conference.org)**

*We look forward to welcoming you to Dresden!*



With support and contribution from the following stakeholders:



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