

**INTERNATIONAL
KICK-OFF WORKSHOP**

ADVANCING A
NEXUS APPROACH
TO THE SUSTAINABLE
MANAGEMENT OF
WATER, SOIL AND WASTE

11-12 NOVEMBER 2013

**DÜLFERSAAL, TECHNISCHE UNIVERSITÄT DRESDEN
DRESDEN, GERMANY**



WORKSHOP AGENDA



**UNITED NATIONS
UNIVERSITY**

UNU-FLORES

Workshop Agenda

Monday, 11 November Venue: Dülfersaal, Technische Universität Dresden	
08:15-08:45	Registration
8:45-9:45	<p>Opening session</p> <p>Welcome and introduction Reza Ardakanian, Director UNU-FLORES</p> <p>Opening Remarks Susanne Strahringer, Vice-Rector of TU Dresden Markus Faller, Saxon State Ministry for Higher Education, Research and the Arts (SMWK) Klaus Uckel, Federal Ministry of Education and Research (BMBF) David Malone, Rector of United Nations University (Video Message)</p>
9:45-10:15	Group Photo
	Coffee Break
10:15-12:15	<p>Session I:</p> <p>Opportunities for adopting a nexus approach to the management of environmental resources and its relevance to the envisaged sustainable development goals and the post-2015 development agenda</p> <p>Moderator: Reza Ardakanian, UNU-FLORES Rapporteur: Stephan Hülsmann, UNU-FLORES</p> <p>Introductory Talk: Nexus Approaches to Management Across Boundaries and their Relevance in the Post-2015 Era (20 min) Olcay Ünver, FAO</p>
	<p>Presentations (numbers refer to the key questions addressed) – each 10 min</p> <p>Improving environmental resources management by a nexus approach Peter Krebs, TUD (3, 4)</p> <p>An Integrated Approach for Developing Sustainable Development Goals: Relevance to Environmental Resource Management Sunday Leonard, UNEP (2, 3)</p> <p>Sustainable Land Management: Advancing the Nexus Approach on the Ground Sergio A. Zelaya-Bonilla, UNCCD (5, 6)</p> <p>CONNECTING PEOPLE WITH THE NEXUS: Engaging Stakeholders in Sustainable Management of Water-Soil-Waste</p>

	<p>Uchita de Zoysa, Centre for Environment and Development, Sri Lanka (1, 2)</p> <p>Applying the nexus approach in the context of waste water irrigation and livelihood provision - benefits and challenges Zita Sebesvari, UNU-EHS (3, 5)</p> <p>The concept of landscape sensitivity as a means of managing landscape perturbations Dominik Faust, TUD (1, 4)</p> <p>Opportunities for adopting a nexus approach to the management of environmental resources in urban areas in the post 2015 development agenda Graham Alabaster, UN-HABITAT (1, 2, 3)</p> <p>Technical Announcements</p>
12:15-13:15	Lunch
13:15-15:15	<p>Session II:</p> <p>Challenges for the nexus approach in managing water, soil and waste under conditions of global change</p> <p>Moderator: Peter Krebs, TUD Rapporteur: Kai Schwärzel, UNU-FLORES</p> <p>Introductory talk: The nexus approach to Managing water, soil and waste under changing climate and growing demands on natural resources (20 min) Rattan Lal, Ohio State University</p> <hr/> <p>Presentations (numbers refer to the key questions addressed) – each 10 min</p> <p>Nexus thinking for decision makers: present and future management challenges Danka Thalmeinerova, GWP (1, 2)</p> <p>The Food-Water-Energy Nexus: Cooperation on resource security in a Multi-Polar World Michele Ferez, EWI (1)</p> <p>Methodological challenges for a nexus approach under global change conditions - Findings from IWRM research Jochen Schanze, IOER (3)</p> <p>Integrating management of water resources demand and supply in irrigated agriculture - challenges and potentials Niels Schütze, TUD (4)</p> <p>NEXUS APPROACH TO ADAPTATION OF URBAN AREAS TO CLIMATE CHANGES (Blue Green Dream's paradigm for the future spatial planning) Čedo Maksimović, Imperial College (2, 3, 4, 6)</p> <p>Detailed-Scale Mapping of Soil Moisture and Landslide-Proneness Using spaceborne Sensors Manfred Buchroithner, TUD (4, 5)</p> <p>Remote Sensing of Land Cover and Land Use Elmar Csaplovics, TUD (4, 5)</p>

	<p>Global Change and Water - How far can the Nexus Approach help to meet Future Challenges? Stefan Uhlenbrook, UNESCO-IHE (2, 4, 5,7)</p>
15:15-15:45	Coffee Break
15:45-16:45	<p>Presentations: Case studies – each 10 min</p> <p>Snotty Shimla: Past Imperfect, Present Tense Deepak Sanan, Government of Himachal Pradesh, India</p> <p>Towards Nexus Approach: Selected Case Studies around the World: Ethiopia, China, Uzbekistan and Serbia IPSWaT¹ presentation</p> <p>Challenge of the sustainable water and waste management in Mongolia Dorjsuren Ariuntuya, Mongolia</p> <p>Water, waste and soil management practices in Mauritius and prospects for their integrated management Vikram Seebaluck, University of Mauritius</p> <p>Opportunities for Green Growth in the Agriculture Sector Sheikh Javed Ahmed, AfDB</p>
16:45-17:45	<p>Panel discussion 1:</p> <p>Opportunities and challenges for the nexus approach in managing water, soil and waste</p> <p>Moderator: Peter Krebs, TUD</p> <p><u>Panelists:</u> Olcay Ünver, FAO Verena Klinger-Dering, BMU Rattan Lal, Ohio State University, Agustin Pulungan, Indonesian Farmers and Fishers Society Organization Ulrike Pokorski da Cunha, GIZ</p>
17:45-18:00	Wrap-up of 1st day (Moderators and Rapporteurs)
19:00	Dinner

¹ Joint presentation of IPSWaT scholars, a scholarship programme funded by BMBF

Tuesday, 12 November

08:30-10:15	<p>Session III:</p> <p>Capacity Development for research and education programmes addressing the nexus, in particular teaching and training programmes</p> <p>Moderator: Stefan Uhlenbrook, UNESCO-IHE Rapporteur: Hiroshan Hettiarachchi, UNU-FLORES</p> <p>Introductory Talk: Capacity Development for research and education - Teaching and training programmes addressing the nexus (20 min) Christian Bernhofer, TUD</p> <hr/> <p>Presentations (numbers refer to the key questions addressed) – each 10 min</p> <p>Applied research for development: Let’s talk business Pay Drechsel, IWMI (1, 2, 4, 6)</p> <p>Novel Approaches to Address the Energy-Water Nexus in Water-scarce Regions Manfred Lange, Cyprus Institute (1, 2)</p> <p>The Water-Energy-Food Nexus: Enhancing Adaptive Capacity to Complex Global Challenges Christopher Scott, University of Arizona (1, 3, 4)</p> <p>New Ways for implementing decentralized Wastewater Treatment Concepts Roland Müller, UFZ (1, 2)</p> <p>The Nexus is there, but needs refinement: defining a “niche” for UNU-FLORES Johan Bouma, formerly Wageningen University (1, 3)</p> <p>Integrating research and education in addressing water-soil-waste nexus Manzoor Qadir, UNU-INWEH (3, 6, 7)</p> <p>Tapping the internet resource to advance the soil-water-waste nexus agenda Francis Gichuki, University of Nairobi (5, 6, 7)</p>
10:15-10:45	<p>Coffee Break</p>
10:45-11:15	<p>Presentations: Session III cont.</p> <p>Water-Land-Waste Nexus Issues in the Arab Region Khaled Abu-Zeid, CEDARE programme (1, 4)</p> <p>Climate Change Adaptation: The Soil-Water Nexus Rolf Baur, CIPSEM, TUD (3, 6)</p>
11:15-12:15	<p>Panel Discussion 2:</p> <p>Research and education/training programmes addressing the nexus</p>

	<p>Moderator: Stefan Uhlenbrook, UNESCO-IHE</p> <p><u>Panelists:</u> Christian Bernhofer, TUD Pay Drechsel, IWMI Rüdiger Heidebrecht, DWA Thomas Himmelsbach, BGR Karl-Heinz Feger, TUD</p>
12:15-13:15	Lunch
13:15-15:00	<p>Session IV:</p> <p>Institutional arrangements and governance structures to facilitate the implementation of a nexus approach and its integration in environmental planning and management</p> <p>Moderator: Bernhard Müller, IOER Rapporteur: Mathew Kurian, UNU-FLORES</p> <p>Introductory Talk: Nexus governance and institutional arrangements for inclusive planning and management (20 min) Joachim von Braun, ZEF</p> <hr/> <p>Presentations (numbers refer to the key questions addressed) – each 10 min</p> <p>Nexus approach: challenges and lessons for institutional design Timothy O. Williams, IWMI-Africa (2)</p> <p>Strategies for soil ecosystem services and landscape planning Wolfgang Wende, IOER (1, 2)</p> <p>Rethinking institutional and governance frameworks for effective water, soil and waste nexus Elias Ayuk, UNU-INRA (3, 4)</p> <p>Cross-disciplinary Institutional Capacity Development with the Interagency Mechanism UN-Water Jens Liebe, UNW-DPC (3, 6)</p> <p>Building a NEXUS through WASH micro-financing Dorcas Mbuvi, UNU-MERIT (2, 5)</p> <p>Results Based Financing and its potential role assisting to advance the Nexus approach Mario Suardi, Consultant (5)</p> <p>How to ensure that the UNFCCC reaches local land users. Methodological aspects and first outcomes of research projects in the Andean region and East Africa Jürgen Pretzsch, TUD (1, 2)</p>
15:00-15:30	Coffee Break
15:30-16:00	Presentations: Session IV cont. – each 10 min

	<p>Water Point Mapping System (WPMS) Governance and Service Delivery. Case Study: Tanzania Rural Water Supply Joash Nyitambe, Ministry of Water, Tanzania (2, 5)</p> <p>Managing Water Soil and Waste, the Case of Uganda Hon. M. Flavia Nabugere (MP) Minister of State for Water and Environment Uganda</p>
16:00-17:00	<p>Panel Discussion 3: Institutional arrangements and governance structures</p> <p>Moderator: Bernhard Müller, IOER</p> <p><u>Panelists:</u> Joachim von Braun, ZEF Hon. M. Flavia Nabugere (MP) Minister of State for Water and Environment Uganda Elias Ayuk, UNU-INRA Thomas Stratenwerth, BMU Timothy O. Williams, IWMI-Africa</p>
17:00-17:15	Break
17:15-18:00	<p>Wrap up and recommendations for the planning of a regular Nexus conference considering the aspects research and implementation</p> <p>Moderator: Reza Ardakanian, UNU-FLORES Rapporteur: Mari Ito, UNU-FLORES</p> <p>Summary of panel discussions, final outcome and recommendations</p> <p>Closing remarks Helmut Löwe, Federal Ministry of Education and Research (BMBF) Leveke Neumann, Federal Ministry for Economic Cooperation and Development (BMZ) Thomas Stratenwerth, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)</p>
18:00-20:00	Reception