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DEVELOPMENT LECTURE

Global Water Scarcity and the need for a sustainable approach to water management

with Professor Steven Gorelick, Stanford University, Leader of the international consortium Food Water Energy for Urban Sustainable Environments (FUSE)

Abstract

Driven by the climate crisis, water scarcity is rapidly becoming a global problem. It affects particularly populations in the countries of the Global South. Sustaining access to affordable water resources as well as managing water availability for potentially competing uses for e.g. food production, energy generation, and other economic and social activities will become a major challenge for both rural and urban communities. Tackling these challenges will require new approaches to water resources management and will need to involve affected local stakeholders.

Upon the basis of an overview of the current global situation and emerging trends in water availability and water use, in this ÖFSE Development Lecture, Professor Steven Gorelick will present the innovative trans-disciplinary approach of the FUSE research consortium on stakeholder-driven water management in urban areas. Two comments present the activities of the Austrian Development Cooperation on water supply and management, and the approach of the City of Vienna to water management.

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Organizers:

ÖFSE
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Global Water Scarcity and the need for a sustainable approach to water management

with Professor Steven Gorelick, Stanford
University

23 June 2021, 17:00-19:00, Online

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Speakers:



Steven M. Gorelick is the Cyrus F. Tolman Professor in the Department of Earth System Science at Stanford University and a Senior Fellow at the Woods Institute for the Environment. He directs the Global Freshwater Initiative with past and active projects in India, Mexico, Vietnam, and Jordan. Dr. Gorelick has published extensively in the areas of groundwater management, water security, water resources vulnerability in developing regions, optimal remediation design, hydrogeophysics, ecohydrology, and global oil supply and demand.



Wolfgang Gruber is Head of Staff Unit “Management systems and representation of interests” at the City of Vienna Department 31 – Vienna Water. Previously he worked amongst others as a project engineer for TBW in international water projects in Burundi, Guatemala, Nicaragua and Romania. Mr Gruber is Approved Quality Manager & Internal Quality Auditor, and holds a diploma degree in “Environmental Sciences and Civil Engineering“ from the University of Natural Resources and Life Sciences in Vienna.



Theresa Schütz is Water and Sanitation Advisor at the Austrian Development Agency, mainly responsible for ADC's portfolio in Sub-Saharan Africa (Uganda, Mozambique and regional programmes); She holds a MSc. in Civil Engineering and Water Resources Management from the University of Life Sciences and Natural Resources – BOKU in Vienna, and a MSc. in Water, Sanitation and Health Engineering from the University of Leeds, UK. She has working experience in WASH and Integrated Water Resources Management in El Salvador, Jamaica, Ghana and Mozambique.

Karin Küblböck is Senior Researcher at ÖFSE – Austrian Foundation for Development Research. Her working areas are resource, trade, and investment policies. She is a certified mediator and facilitator and principal investigator in the international consortium project FUSE - Food Water Energy for Urban Sustainable Environments (FUSE).

Werner Raza is Director ÖFSE – Austrian Foundation for Development Research.

Programme

5.00 pm

Welcome

Werner Raza, Director ÖFSE

5.15 pm

Keynote Address

Professor Steven Gorelick, Stanford University

5.45 pm

Comments

- Wolfgang Gruber, City of Vienna, MA 31 – Vienna Water
- Theresa Schütz, Austrian Development Agency

6.00 pm

Q&A and open discussion

7.00 pm

End of conference

Facilitator: Karin Küblböck (ÖFSE)

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