
Integrated Management of Urban Water Buffering: From Research to Implementation

Sunday 21 August 2011

9:00 – 12:30

Room K21

Conveners Acacia Water (Acacia), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Helmholtz Centre for Environmental Research (UFZ), United Nations Human Settlements Programme (UN-HABITAT), Rainwater Harvesting Implementation Network (RAIN), Aqua for All, Federal Institute for Geosciences and Natural Resources, Germany (BGR) and Federal Ministry for Economic Cooperation and Development, Germany (BMZ)

Sponsors Aqua for all, BMZ, BGR, UN-Habitat, Rainwater Harvesting Implementation Network (RAIN), UFZ

Event description:

The seminar addresses integrated concepts for urban water and sanitation planning and their implementation in emerging and developing countries. Its objective is to share results from international (action) research initiatives and practical management approaches from (mega)-cities in Asia, Africa and from cities in the Middle East. The focus will be on improving water buffer management of urban dwellers who are dependent on in-situ self-help supply like private wells and rainwater harvesting.

Urban water supply systems often do not reach the entire city. Water recharge, retention and re-use solutions provide hands-on means to secure safe water supply as well as mitigating flooding in urban environments. This includes not only the safe use of the natural water buffer that the shallow groundwater provides, but also the use of the storage in deeper aquifers, the potential for rainwater harvesting in a variety of ways and the opportunities to enhance water conservation in urban planning and storm water management.

The expected outputs of the seminar are:

- (1) a better understanding of practical implementation challenges by scientists and
- (2) an increased knowledge base for practitioners in the field of urban water resources management.

Programme

Chair: *Dr Richard Carter*, Head of Technical Support Unit, WaterAid

9:00 - 9:15	Opening and Welcome . <i>Dr Richard Carter</i> , Dr. Löwe, 3R representative
	Key notes/ invited speakers
9:15- 9:30	Creating a 'Water bank' for the city of Windhoek Greg Christelis, Department of Water Affairs
9.30- 9:45	Urbanisation and sustainable sanitation development by adapted participatory Planning <i>PD Dr Thomas Kluge / Dr Jutta Deffner, Institute for Social-Ecological Research (ISOE)</i>
9:45- 10:00	Rainwater harvesting in urban centres of Africa Tekalign Tsige (Regional Technical Advisor UN HABITAT)
10:00- 10:15	Rainwater and storm water conservation in Dhaka: experiences and challenges Ms. Hasin Jahan, Water Aid Bangladesh
10.15- 10:30	Grey water management as part of water demand management in Jordan <i>Nisreen Haddadin, Ministry of Water and Irrigation</i>
10.30- 10:45	Implementation research for decentralized wastewater concepts in Jordan <i>Dr R.A. Müller (Helmholtz Centre for Environmental Research – UFZ)</i>
10.45- 11:00	Coffee break
11:00- 11:55	4 Round table discussions and plenary feedback
	Water buffering in megacities and its integration in urban planning
	Valuation and financing of 3R in urban environment.
	Participation processes in IWRM
	Reuse and sustainability
11:55- 12:15	Plenary discussion moderated by <i>Dr Richard Carter</i> .
12:15- 12.30	Closure and Wrap-up. <i>Dr Richard Carter</i>

Event organized by: Acacia Water, Aqua for all, BGR, MetaMeta, Rainwater Harvesting Implementation Network (RAIN), UN-HABITAT in association with GIZ and UFZ. Event sponsors: Aqua for all, BMZ, BGR, UN-Habitat, Rainwater Harvesting Implementation Network (RAIN), UFZ