



# International Conference and Poster Exhibition

## Decentralised Wastewater Management

### Experience with Long-Term Operations

Hanoi / Vietnam  
12. and 13. October 2017

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Supported by:



## Rationale

Decision makers in many developing and emerging countries are currently considering Decentralized Wastewater Treatment (DWWT) as a cost-effective and effective alternative to central, conventional drainage and treatment concepts. International development banks are increasingly ready to promote and finance this development. However, long-term operational experience has rarely been communicated so far, particularly with regards to financial sustainability and technical management issues.

## Objectives of the conference:

The 2-day-conference (including a field trip) is supposed to

- Present long-term operating experience with decentralized systems and concepts, and share typical challenges, shortcomings and respective solutions
- Provide a forum for discussion
- Promote international networking on "decentralized wastewater treatment"
- Promote the exchange of experiences between countries embarking on the concept of decentralised sanitation

## Agenda, Speakers and Topics:

Time	Name / Position	Institution	Topic
<b>DAY I (12. October 2017)</b>			
<b>8:00 – 8:30</b>		<i>Registration</i>	
<b>8:30 – 8:40</b>	N.N.	Vietnamese Water and Sewerage Association (VWSA)	Opening of the Conference Welcome address - VWSA's view on Decentralised Sanitation
<b>8:40 – 8:50</b>	<b>Jörg Rüger</b>  First Secretary for the Environment, Nature Conservation, Building and Urban Development	Embassy of the Federal Republic of Germany in Hanoi	Welcome Address
<b>8:50 – 9:10</b>	<b>Nguyen Dac Hoan</b>  DEVIWAS Project Manager	German Water Partnership e.V.	Training and education on operation and maintenance – experiences from Vietnam

Time	Name / Position	Institution	Topic
9:10 – 9:30	<b>Ms Tran Thi Thao Huong</b>  Administration of Technical Infrastructure	Ministry of Construction	The legal background of DWWT in Vietnam
9:30 – 9:50	N.N.		
9:50 – 10:10	<b>Prof. Viet-Anh Nguyen</b>	Institute for Environmental Science & Engineering (IESE)	DBO experience on DWWT from the view of a Vietnamese expert
10:10 – 10:30	<i>Coffee Break / Networking / Poster Exhibition</i>		
10:30 – 10:50	<b>Dr. Ismail Al Baz</b>  Decentralized Wastewater Management for Adaptation to Climate Change (ACC Project)	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Amman, Jordan	Challenges of decentralized wastewater management- Case studies from GIZ Jordan
10:50 – 11:10	<b>Frank Pogade</b> Chairman	Water Solutions International e.V.	Long term operation and maintenance of Vietnamese decentralised wastewater management projects and their impact on policy making
11:10 – 11:30	<b>Dr. - Ing. Khaja Rahman</b>	Helmholtz Center for Environmental Research – UFZ	Decentralized Wastewater Management in Jordan: Lessons Learned from Pilot scale to Policy Implementation.
11:30 – 12:00	Discussion - Q&A		
12:00- 13:30	<i>Lunch Break</i>		
13.30 – 13:50	<b>Michael Ohm</b> CEO	Holzapfel und Konsorten GmbH & Co. KG & OHM- PROJECTS (International	Long -Term Operations and Practical Experiences with Urine- Diverting Dry Toilet`s (UDDT) in Germany.

Time	Name / Position	Institution	Topic
		Sustainable Development - ISD	
13:50 – 14:10	<b>Jaime Cardona</b>	BDZ e.V.	The Leipzig „Demonstration Site on Decentralised Wastewater Treatment”: A case study from Germany - an example for Vietnam?
14:10 – 14:30	<b>Nguyen Xuan Quyet</b> Managing Director	Bac Ninh Drainage and Wastewater Treatment Company	Introduction and operation experience of Viem Xa WWTP
14:30 – 14:50	<b>Dr. Markus Gerlach</b> General Manager	CNP-Technology Water and Biosolids GmbH	Experiences with resource-efficient urban water cycles in China, Namibia and Germany
14:50 – 15:20	<i>Coffee Break / Networking / Poster Exhibition</i>		
15:20 – 15:50	<b>Asit Nema</b>	Foundation for Greentech Environmental Systems	Operational experiences from decentralised industrial wastewater treatment in India
15:50 – 16:45	<i>Discussion - Q&amp;A</i>		
16:45	<b>Frank Pogade</b>	Water Solutions International e.V.	Wrap-up and Closing of Day I

DAY 2 (13. October 2017)			
8:30 - 8:50	<b>Katrin Lammers</b> Project Manager	Water Solutions International e.V.	Decentralised wastewater treatment in school sanitation – experiences from Vinh City / Vietnam
8:50 – 9:10	<b>Thilo Burkard</b> Managing Director	Akut Umweltschutz	Experiences with DWWT in South America
9:10 – 9:30	<b>Dao Thi Hoa Anh</b> Project Officer	BORDA Vietnam	Long-term experiences with DWWT in South East Asia

Time	Name / Position	Institution	Topic
9:30 – 9:50	<b>Dr.-Ing. Ralf Hasselbach</b>  Head of Planning and Strategy Department	Entsorgungsverband Saar (EVS)	O&M concepts for decentralised wastewater treatment facilities
9:50 – 10:20	<i>Coffee Break / Networking / Poster Exhibition</i>		
10:20 – 10:40	<b>Stefan Böttger</b> Project Manager	Tilia GmbH	Experiences with O&M of DWWT plants in Germany
10:40 – 11:00	<b>Vu Pha Hai</b> Director	Greentec Environment JSC Ho Chi Minh City	Experience with the operation of MBR-DWWT plants in urban settings
11:00 – 11:20	N.N.		
11:20 – 12:00	Discussion - Q&A		
12:00 – 13:30	<i>Lunch Break</i>		
13:30 – 17:00	<b>Site Visit (Bac Ninh)</b> <ul style="list-style-type: none"> <li>DWWT plant in Viem Xa</li> <li>DWWT in craft village</li> </ul>		

**The conference will host a poster exhibition on companies and technologies for DWWT**

**Conference Language:**

English & Vietnamese  
(simultaneous translation provided)

**Location:**

Pan Pacific Hotel (former Sofitel Plaza)  
1 Thanh Nien Road, Ba Dinh District, Hanoi,  
Vietnam  
Telephone +84 24 3823 8888

**Date:**

12. & 13. October 2017

**Organisers:**

- Water Solutions International e.V.
- BDZ e.V.
- Helmholtz-Centre for Environmental Research – UFZ
- German Water Partnership e.V.
- Tilia GmbH
- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

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**Admission is free of charge!**