

IWaTec Winter school "Sustainable Use of Resources: Water and Energy in Egypt"

TU Berlin Campus El Gouna, 22 February – 1 March 2015

Program (part 1)

	Sunday, 22.02.	Monday, 23.02.	Tuesday, 24.02.	Wednesday, 25.02.
09:00 – 10:15	10:00 Opening of the Winter School Prof. Dr. Uwe Tröger (TUB), Prof. Dr. Bernd Sures & Prof. Dr. André Niemann (ZWU/UDE)	Membrane Technologies: Overview on concepts and recent trends Prof. Dr. Mathias Ulbricht (ZWU/UDE)	Bus Excursion I (scientists)	Micropollutants of emerging concern in wastewater: origins, fate, and mitigation Dr. Olfa Mahjoub (INRGREF, Tunis)
10:15 – 10:45		Coffee break		Coffee break
10:45 – 12:00	Waste water treatment in Germany: state of the art and challenges Prof. Dr. Martin Denecke (ZWU/UDE)	Utilizing benefits by combining micro-/ and ultrafiltration with other processes Prof. Dr. Stefan Panglisch (ZWU/UDE)		15 Years' Experience with Membrane Bioreactors in Germany Prof. Dr. Wolfgang Firk (Eifel-Rur Water Board)
12:00 – 13:00	Lunch break	Lunch break		Lunch break
13:00 – 14:15	Sustainable water management – How to tackle global water problems Prof. Dr.-Ing. André Niemann (ZWU/UDE)	Ecocitizen World map project, Cairo Prof. Dr. Heba Khalil (Cairo University)	Bus Excursion II (students)	Water and Renewable Energy Resources in the Red Sea Region Eng. Sayed Mansour & Mahmoud Issa (New and Renewable Energy Authority)
14:15 – 15:30	Possibilities of wastewater treatment in rural areas Prof. Dr.-Ing. Matthias Barjenbruch (TUB)	Wastewater treatment with IFAS (Integrated Fixed Film Activated Sludge), Energy efficiency and capacity increase of the WWTPs Dipl.-Ing. Samer Alkhaddour (Jaeger Umwelt-Technik)		Industrial Water Management – Perspectives and fields of action Prof. Dr.-Ing. Sven-Uwe Geißen (TUB)
15:30 – 16:00	Coffee break	Coffee break		Coffee break
16:00 – 17:15	IWaTec: Successful German/Egyptian collaboration: what is next? Dr. Ahmed S. G. Khalil (Fayoum University)	Dye-sensitized Solar Cells: Options, Problems, and Inspirations for Water Treatment PD Dr. Frank Marlow (Max-Planck-Institut für Kohlenforschung)		Evaluation of Actions for Better Sustainable Water Resources Management in Fayoum Governorate, Egypt Dr.-Ing. Mohie Eldeen Omar (National Water Research Center)
17:15 – 18:30	Cooperation possibilities with TUB (only for scientists)	Water and Waste Water Management in El-Gouna Dr. Nikolaos Tzoupanos (TUB)		Poster session

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Program (part 2)

	Thursday, 26.02.	Friday, 27.02.	Saturday, 28.02.	Sunday, 01.03.
09:00 – 10:15	Challenges of Decentralized Wastewater Treatment and Reuse in the MENA Region <i>Dr. Ismail Al Baz (GIZ - SWIM)</i>	Low cost Waste Water treatment by using Biofilm technology: Successful case studies <i>Dr. Noama Shareef (ACWUA)</i>	Boat Excursion (optional) <ul style="list-style-type: none"> ▪ Coral reefs ▪ Coast Ecology ▪ Influence of human activity 	Start-up possibilities for young Egyptians with enpact e.V. <i>Dr. Sebastian Rubatscher & Essam Sharaf (Enpact e.V.)</i>
10:15 – 10:45	Coffee break	Coffee break		Coffee break
10:45 – 12:00	Wastewater Reuse Code in Egypt: Meeting the Challenges <i>Prof. Dr. Rifaat Abdelwahaab (Holding Company for Water and Waste Water)</i>	Rural Sanitation in Egypt: The way forward <i>Prof. Dr. Fatma El Gohary (National Research Center)</i>		Final Discussion and Closing of the Winter School <i>Prof. Dr. Uwe Tröger (TUB) & Prof. Dr. Bernd Sures (ZWU/UDE)</i> Poster awards
12:00 – 13:00	Lunch break	Lunch break		
13:00 – 14:15	Water Quality Management in Egypt <i>Dr. Magdy Salah (National Water Research Center)</i>	Ecology and Human Health <i>Prof. Dr. Bernd Sures (ZWU/UDE)</i>		
14:15 – 15:30	Flash Floods and artificial recharge - possibilities and obstacles <i>Prof. Dr. Uwe Tröger (TUB)</i>	Coral Ecology and humans influence <i>Dr. Michael Eisinger (ZWU/UDE)</i>		
15:30 – 16:00	Coffee break	Coffee break		
16:00 – 17:15	Precipitation Estimation in Remote Areas <i>Ahmed Hadidi (TUB)</i>	Use of the potential of the available resources in Egypt for the sustainable development <i>Hany El Kateb. Advisor of the President of Egypt (TU Munich)</i>		
17:15 – 18:30	Challenges and Needs for the Water Sector in Egypt <i>Dr. Moustafa S. Moussa (GIZ, NWRC, NRI)</i>	Poster session		