

Alumni Seminar

“Water, Energy and Sanitation in Urban and Decentralised Regions”

University of Oldenburg, Germany

April 3rd – 12th, 2014

Funded by DAAD, German Academic Exchange Service

Planned schedule and topics of the Alumni Seminar; Course language: English

Bus tickets for public transport within Oldenburg will be handed out in the hotel.

Please always take along your 7 days tickets for bus!

Thursday, 03.04.2014			
Theme:	Participant’s Professional Orientation and Socializing	University of Oldenburg, Campus Haarentor, Uhlhornsweg. Building A5, ground floor Drop of at bus stop “University” of bus No. 310 (heading “Wehnen”) or 306 (heading “Universität”);:	
	Session	Speaker	Location
8:20	Reception of Participants		
9:00 - 9:15	Welcome speech	Michael Golba, Managing Director PPRE	Building A5 Ground floor: 0 Room: 54
9:15 - 9:30	Introduction of contents and concept of the Alumni Seminar ; Introducing the team	Brudler/ Rudman/ Günther	A5 0 54
9:30-09:45	Short self-presentation by participants	All	A5 0 54
9:45-10:45	Presentation of research and work areas of and by Alumni	2 Alumni	A5 0 54
10:45 - 11:15	Coffee Break		A5 0 55
11:15 - 12:15	Presentation of research and work areas of and by Alumni	2 Alumni	A5 0 54
12:15 - 13:30	Lunch break Self-paying	Tutor accompanied	Mensa Main Campus
13:30 - 14:30	Presentation of research and work areas of and by Alumni	2 Alumni	A5 0 54
14:30 - 15:30	Presentation of Poster and Coffee Break	24 Posters	A5 0 54/ A5 0 55/A5 0 56
15:30 - 16:30	Introduction to Open Space : Brainstorming on expectations of the participants for the time of the alumni seminar and identification of important subjects and interests of the participants	Andreas Günther/ Burak Türker	A5 0 54
18:30	Get-together dinner invited	All	Restaurant „Schwan“

Don't forget your 7 days tickets for bus!

Friday, 04.04.2014			
Theme:	Water and Waste Water I		
08:00	Excursion (whole day) to:	Group meeting 7:45 in the hotel lobby. 5 minutes' walk to bus	Departure bus at: Horst Janssen Museum 8:00 am sharp!
9:00 - 11:30	Drinking water supply of the Oldenburg-East Friesland Water Association (OOWV) in Varel / Nethen; responsible for 1 million inhabitants	Burak Türker, Jacqueline McLeod, Evelyn Brudler	9:00 - 11:30
11:30 - 12:30	Bus transfer from Nethen to Oldenburg		
12:30 - 13:30	Lunch break Mensa of BfE, self-paying	Transfer by bus	BfE, Donnerschwee Strasse Mensa close to Waste Water Plant
13:30 - 16:00	Excursion to the wastewater treatment of OOWV in the city of Oldenburg (cleaning steps, energy demand, energy recovery, technology, quality control)	Burak Türker, Jacqueline McLeod, Evelyn Brudler	Walk or public transport back to city center/hotel

Saturday, 05.04.2014			
Theme:	Water and Wastewater II		
9:00 - 10:30	Constructed Wetlands, Prof. Jan Vymazal, Univ. of Life Science, Prague.	Prof. Jan Vymazal	Building A5 Ground floor: 0 Room: 54
10:30 - 11:00	Coffee break		A5 0 54
11:00 - 11:45	Continue Prof. Vymazal	Prof. Jan Vymazal	A5 0 54
11:45 - 12:30	Managed Aquifer Recharge, Prof. Dr. Gudrun. Massmann, Research Group Hydrogeology and Landscape Hydrology, Univ. of Oldenburg	Prof. Gudrun Massmann	A5 0 54
12:30 - 14:00	Lunch break Self-paying	Self-organised: nearby restaurant or supermarket	
14:00 - 15:30	OPEN SPACE I: Transferability of the presented concepts to regions or requirements in rural and/or urban space. Continuation of working groups. Expert's participation: Prof. Vymazal and Prof. Gudrun Massmann		
A5 0 56, A5 054	Working group I : Constructed Wetlands; Prof. Vymazal as resource donor	Working Group II: Aquifers; Prof. Gudrun Massmann as resource donor	Working group III: WATSAN project ; Alumni Expert as resource donor
15:00 - 15:30	Coffee break		A5 0 54
15:30 - 16:30	continuation of working groups		Günther/ Türker

	Sunday, 06.04.2014		
Theme:	Excursion: Public education by Museums		Meeting hotel lobby 9:45 am
10:00 - 16:00	Excursion Climate House in Bremerhaven http://www.klimahaus-bremerhaven.de/en/home/home.html?no_cache=1	Leonie Ibing / Burak Türker	Departure: In front of <i>Horst Janssen</i> Museum 10 o'clock

Monday, 07.04.2014, morning session			
Start of . Biogas Compact Workshop: Mass Dissemination Programmes for Domestic Biodigester in Developing Countries			
Theme:	Introduction of Biogas technology for rural development	Location: University of Oldenburg, BIS Room (Bibliothekssaal) Campus Haarentor, Uhlhornsweg Bus No. 310 and 306, leaving from bus stop "Lappan" Name of bus stop to drop off: "Universität-B"	
8:45 - 9:30	Arrival and Registration of external guests		BIS room "Bibliothek"
9:30 - 9:45	Welcome Address by PPRE Staff member	Michael Golba, Managing Director of PPRE	BIS room "Bibliothek"
9:45 - 10:00	Presentation of schedule and sessions;	Evelyn Brudler; Workshop Coordination	BIS room "Bibliothek"
10:00 - 11:15	Domestic Biogas – Relevance of Biogas for Development	Jan Lam, SNV expert	BIS room "Bibliothek"
11:15 - 12:45	Lunch Break Self-paying		Mensa Main Campus
	Splitting of group Alumni Seminar and Biogas Workshop for the afternoon:		

Monday, 7.4.2014, Afternoon Sessions						
13:00 - 16:30	Session I Participants of the Biogas Workshop will continue with in-depth lecture on Microbiology in bio-digesters.		Session II Participants of the Alumni-Seminar will have an extended afternoon session on international networking, Meetings			
Walk to	Meeting Biogas Workshop: BIS room “Bibliothek”		Meeting Alumni Seminar: Building A5 0-54, 0-55, 0-56			
13:00 - 14:00	From Biomass to Energy: The Biochemical Anaerobic Fermentation Process;	Prof. Rabus, Microbiologist, Univ. Oldenburg ,	13:00 - 13:30	Presentation: Transdisciplinary business development, City of Oldenburg;	Dr. Hentschel, OLEC	A5 0-056
			13:30 - 14:00	Presentation: Research cooperation with South Africa and other developing countries.		Prof. Marx Gomez
14:00 – 15:00	Practical Implications of the Biochemical Process plus Discussion	FtHeegde, SNV	14:00 - 15:00	Working group I: Transdisciplinary business development; Dr. Hentschel A5 0-056	Working group II: Research cooperation; Prof. Marx Gomez A5 1-159	Working group III: Interdisciplinary cooperation; Michael Golba, PPRE. A5 1-160
15:00 – 15:30	Coffee break	BIS room “Bibliothek”	15:00 - 15:30	Return to BIS Room Coffee Break in BIS Room		
15:30 – 17:00	Introduction to activities of the Biogas Workshop: <ul style="list-style-type: none"> Practical Sessions (Tuesday), putting your name to a participation list Biogas Excursions (Wednesday) and speakers on Wednesday afternoon; Poster Presentation by Alumni Seminar participants 					
17:00	End of day					
19:00 - open	Get-together Dinner (invited): Participants from Biogas Compact Workshop meeting participants of Alumni Seminar				Location: Restaurant HAVANNA	

Tuesday, 08.04.2014			
Theme:	Biogas Technology		
9:00 - 10:30	Technical Aspects of Biogas Plants; Plant Types, Designs and design choices	Jan Lam	BIS room "Bibliothek"
10:30 - 11:00	Coffee Break		BIS room "Bibliothek"
11:00 - 12:00	Plant Dimensioning Calculations	Felix ter Heegde	BIS room "Bibliothek"
12:00 - 13:00	Domestic Biogas Appliances: Design and Performance	Jan Lam	BIS room "Bibliothek"
Change to Wechloy Campus with Bus 306 (opposite street side at the traffic light, Departure time of bus:13:05 and 13:20)			
13:15 - 14:15	Lunchbreak at Campus Wechloy, Access to the Wechloy mensa via the main entrance; cafeteria is located downstairs		Take Bus 306 to „University“, terminal bus stop
14:15 - 15:45	Lab facilities Session I	First meeting in the entrance hall Campus Wechloy and splitting of groups to the nominated tutor	
Group A:	Performance Testing of Biogas Stoves	Felix ter Hegde	Building W0 , Energielabor; Bus 306, Terminal Bus stop
Group B	Performance Testing of Biogas Stoves	Jan Lam	Building W0 , Energielabor; Bus 306, Terminal Bus stop
Group C	Flow and Mixing in Biodigesters : Lab experiments on the geometry of flow and mixing behaviour	Evelyn Brudler	Building W 2 , Room 1-187
Group D	Inspection of Students' lab Digester, Sensors, and Analysis	Tanja Behrendt	Building W0 , Energielabor; Bus 306, Terminal Bus stop
Group E	Visit to Lab Facilities of the Master Course <i>Postgraduate Programme Renewable Energy</i> ;	Andreas Günther	Building W0 , Energielabor; Bus 306, Terminal Bus stop
15.45 -16:00	Sorting break for Practical Session II		
Group A:	Performance Testing of Biogas Stoves - Jan Lam , –	Felix ter Hegde	Building W0 , Energielabor; Bus 306, Terminal Bus stop
Group B	Performance Testing of Biogas Stoves – Felix ter Heegde –	Jan Lam	Building W0 , Energielabor; Bus 306, Terminal Bus stop
Group C	Flow and Mixing in Biodigesters : Lab experiments on the geometry of flow and mixing behaviour	Evelyn Brudler	Building W 2 , Room 1-187
Group D	Inspection of Students' lab Digester, Sensors, and Analysis	Tanja Behrendt	Building W0 , Energielabor; Bus 306, Terminal Bus stop
Group E	Visit to Lab Facilities of the Master Course <i>Postgraduate Programme Renewable Energy</i> ;	Andreas Günther	Building W0 , Energielabor; Bus 306, Terminal Bus stop
17:30	End of day		

Wednesday, 9.4.2014			
Theme:	Excursion: Biogas technology		
7:45 - 13:00	Excursion A	Excursion B	Self org. excursion C
	Biogas Plant Wittmund: Feeding of slaughter house waste and manure; quality control of feeding substrate (e.g. antibiotics)	Biogas Plant Werlte: Biogas plant, upgrading of biogas to pure methane and Power-to-Gas plant (Methanation of CO ₂ with excess wind electricity)	Optional, while self-paying! Visit to Hannover Fair , one of the biggest global industrial fairs; Free entrance tickets available Ticket price: 53,60€
	Departure of busses in front of Horst Janssen Museum 8 o'clock sharp!!! Meeting in the entrance hall: 7:45 am!!!		Self-organised trip: Departure from train station: 8.35 am; Arrival Messe Hannover/Laatzen 11:26 am Trip time of 2,5 hours by train one way
7:45 - 9:15	Visit of plant	Visit of plant	
11:45	Departure to Oldenburg	Departure to Oldenburg	4 hours for fair visit
13:00 - 14:00	Lunch Break Cafeteria Wechloy Campus, self-paying		
Theme	Organic Matter and farming land (earth)		
14:00 - 15:00	Urban organic waste for Bio-digesters - Bio-digesters for urban organic waste	Camilo Wilches	Wechloy W1-0 015
15:00 - 15:30	Effects of digestates used as fertilizers on carbon and nitrogen dynamics of soils	PhD candidate Ms. Carolin Schnepel	Wechloy W1-0 015
15:30 - 16:00	Coffee Break		
16:00 – 17: 00	Bioslurry	Jan Lam	Wechloy W1-0 015
			Latest return train 16:30 from Fair Hannover Laatzen, train station. Change of train in Hannover; Arrival time Oldenburg 19:23.
17:00	End of day		

Thursday 10.4.2014			
9:00 - 9:20	Introduction to Workshop day		Günther BIS room "Bibliothek"
9:20 - 10:15	Mass Dissemination I: The SNV Model for Programme Development: Feasibility Study, Technical, Social, Legislative and Administrative Conditions, Implementation Partners Selection and Tasks		Jan Lam, SNV BIS room "Bibliothek"
10:15 - 10:45	Coffee Break		BIS room "Bibliothek"
10:45 - 11:40	Mass Dissemination II: Large Scale Domestic Biogas Dissemination: Development through the Market Set-up and Functions of the Demand, Supply and Regulation sides.		Ft Heegde BIS room "Bibliothek"
11:40 - 12:00	Introduction to Case Study Cameroon		Jonas Stührenberg BIS room "Bibliothek"
12:00 - 13:00	Lunch Break Self-paying		Mensa Main Campus
13:00- 14:30	Session I: Mass Dissemination, Development through the market; F ter Heegde	Sesssion II: Programme Exit Strategies, Steven von Eije	Session III: Biogas case study Cameroon, Jan Lam
14:30 - 15:00	Coffee Break		BIS room "Bibliothek"
15:00 - 17:00	Continuation of Sessions		BIS room "Bibliothek"
	Session I: Mass Dissemination, Development through the market F ter Heegde	Sesssion II: Programme Exit Strategies, Steven von Eije	Session III: Biogas case study Cameroon, Jan Lam
17:00	End of day		

	Friday 11.4.2014		
Theme:	Economics		
9:00 - 10:30	Economic tools within CDM, Emission Reduction (ER), Calculations, Gold Standard Methodology. Value and	Jan Lam	BIS room "Bibliothek"
10:30 - 11:00	Coffee Break		BIS room "Bibliothek"
11:00 - 12:00	Economic and Financial Aspects of Biogas Return Calculations, Subsidy Calculations and Justification	Steven von Eije	BIS room "Bibliothek"
12:00 - 13:00	Financing of Domestic Biogas Programmes	Steven von Eije	BIS room "Bibliothek"
13:00- 14:00	Lunch Break Self-paying		Mensa Main Campus
14:00 - 15:00	Moderated discussion on <ul style="list-style-type: none"> • Transferability of the concepts presented "Water, Energy and Hygiene" on Rural and/or urban areas: Mass dissemination, technical concepts, stakeholders, other • Cooperation and networking 	Brudler/Günther	BIS room "Bibliothek"
15:00 - open	End of Biogas Workshop and Farewell get-together	All welcomed	Location to be announced

	Saturday 12.4.2014		
Theme:	Networking		
9:00 - 10:00	DAAD Alumni-Network development – Funding instruments	Ms. Stefanie Altmann, Section 432: Alumni programmes world wide,;	BIS room "Bibliothek"
10:00 - 11:00	Summary of Open Space and Workshop Sessions	Alumni	BIS room "Bibliothek"
11:00 - 11:30	Coffee break		BIS room "Bibliothek"
11:30 - 12:30	Evaluation of Seminar	Brudler/Günther	BIS room "Bibliothek"
12:30	Lunch Break		Mensa Main Campus
	End of 12-days Seminar		