

Alumni Seminar

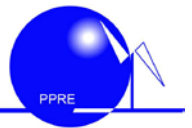
“Water, Energy and Sanitation in Urban and Decentralised Regions”

University of Oldenburg, Germany
April 3rd – 12th, 2014
Funded by DAAD, German Academic Exchange Service

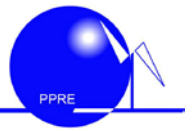
Timetable

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

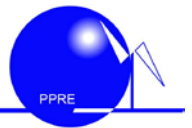
Wednesday, 2.4.2014	<p>Arrival</p> <p>Evening: First meeting of the participants and get-together dinner</p>
Thursday, 3.4.2014	<p>Theme: Participant’s Professional Orientation and Socializing</p> <p>Morning:</p> <ul style="list-style-type: none"> • Welcome speech • Introduction of contents and concept of the Alumni Seminar • Presentation of research and work areas of and by Alumni • Poster-Session: Short presentations of research and work areas of Alumni <p>Afternoon:</p> <p>Open Space I</p> <ul style="list-style-type: none"> • Brainstorming on expectations of the participants for the time of the alumni seminar and • Identification of important subjects and interests of the participants • First session of working groups
Friday, 4.4 2014	<p>Theme: Water and Wastewater I</p> <p>All day</p> <p>Excursion to</p> <ul style="list-style-type: none"> • Drinking water supply of the Oldenburg-East Friesland Water Association (OOWV) in Varel / Nethen; responsible for 1 million inhabitants • Excursion to the wastewater treatment of OOWV in the city of Oldenburg (cleaning steps, energy demand, energy recovery, technology, quality control) • Excursion to pilot project on heat recovery from waste water; University of applied sciences Oldenburg, Institut für Rohrleitungsbau (optional)



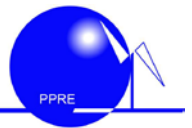
<p>Saturday, 5.4.2014</p>	<p>Theme: Water and Wastewater II Morning</p> <ol style="list-style-type: none"> 1. Constructed Wetlands, Prof. Jan Vymazal, Univ. of Life Science, Prague. 2. Managed Aquifer Recharge, Prof. Dr. Gudrun. Massmann, Research group Hydrogeology and Landscape Hydrology, Univ. of Oldenburg (invited) <p>Afternoon Open Space II: 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 (invited)</p>
<p>Sunday, 6.4.2014</p>	<p>Cultural Day, optional All Day: Excursion to Klimahaus in the city of Bremerhaven; Aspect: Public Educational Mandate of Museums</p>
<p>Monday, 7.4.2014</p>	<p>Morning Theme: Introduction to 5-daysWorkshop on</p> <p style="text-align: center;"><i>Mass Dissemination Programmes on Domestic Bio-digesters in Developing Countries</i> <i>- from technology to national programmes-experiences and lessons learnt</i></p> <p>Together with participants coming only for this international workshop. The detailed programme you will find here.</p> <p>Splitting of group Alumni Seminar and Biogas Workshop for the afternoon: Biogas Workshop participants will continue with in-depth lecture on Microbiology in bio-digesters. Alumni-Seminar participants will have an extended afternoon session on international networking, joining the biogas workshop from the next day on</p> <p>Noon until afternoon Theme: Cooperation und Networking Research and economic cooperation with South Africa and other developing countries. The cooperation between the cities Cape Town (SA) and Oldenburg and the Univ. of Oldenburg with the Nelson-Mandela-Metropolitan Univ., Port Elizabeth Presentations and exchanges with representatives of the</p> <ul style="list-style-type: none"> • Business development, city of Oldenburg; Dr. Hentschel • Oldenburg Energy Cluster (OLEC); Merger of the medium enterprises-



	<p>energy industry in the Oldenburg-Ostfriesland region</p> <p>Presentations by: Research groups Ecological Economy (Prof. Siebenhüner) and Business Information Systems (Prof. Marx Gomez). Cooperation partner within the project clim-a-net is South Africa. Cooperation partners within the project DevSus are African, South-American and South-East-Asian countries.</p> <p>Speakers: Dr. Anne Clausen, coordinator of both, the clim-a-net project and the DevSus project, presenting both research fields and Prof. Dr. Jorge Marx Gomez Jan Kühnemund: Academic Coordinator of the Erasmus Mundus "European Master in Migration & Intercultural Relations"</p> <p>Open Space III: Concepts and paths to cooperation and networking</p>
<p>Tuesday, 8.4.2014</p>	<p>Theme: Recycling Biogenic Waste Materials - with an example of the mass dissemination of domestic biogas plants in rural areas</p> <p>Continuation of Biogas Compact Workshop Experts from SNV share their 20 year project experience in the South East Asia and Sub-Sahara</p> <p>Morning:</p> <ul style="list-style-type: none"> • Technology • Plant design and construction with practical exercises • Appliances: Design and performance of gas lamps for cookers <p>Afternoon: Practical Experiments</p> <ul style="list-style-type: none"> • Applications: Gas stoves and lamps • Analysis of digestate; laboratory experiment of the PPRE master programme
<p>Wednesday, 9.4.2014</p>	<p>Compact Workshop</p> <p>Morning</p> <p>Excursion EWE-Biogas plant in the village of Wittmund or alternatively Biogas upgrading system in village of Werlte and to the newly installed Power-to-Gas plant</p> <p>First Excursion</p> <ul style="list-style-type: none"> • Fermentation of agricultural and industrial organic waste • Quality control of the input substrate • Safety Technology • Thermal and electrical energy production from biogas <p>Second excursion</p> <ul style="list-style-type: none"> • Gas purification • System of feeding 99% Methane to gas grid



	<ul style="list-style-type: none"> • “Methanisation” of CO₂ to CH₄ (Methane); model of storing access renewable electricity <p>Afternoon: Theme: Organic wastes meets soil fertility</p> <p>Expert Lectures: „Urban organic waste for Bio-digesters – Bio-digesters for urban organic waste“, Camilo Wilches, Company: Biogas Weser-Ems</p> <p>“Influence of fermentation residues on soil quality/humus”, First results of the research project. Ms. Carolin Schnepel, PhD researcher, Research group Prof. Luise Gianì,</p> <p>„The importance of remaining of organic matter in the soil to maintain soil quality“, Mr. Zimmer, State Office of Rural Development, Agriculture and land consolidation, Federal State Brandenburg, (invited)</p>
<p>Thursday, 10.4.2014</p>	<p>Compact Workshop</p> <p>Morning:</p> <p>Continuing: Soil fertility</p> <ul style="list-style-type: none"> • Bioslurry from bio digesters <p>Afternoon</p> <p>Mass Dissemination Programmes: The SNV model</p> <ul style="list-style-type: none"> • Criteria and contributors/stakeholders for the successful implementation of mass dissemination programmes; • Development through the private market <p>Afternoon:</p> <p>Open Space IV</p> <p>Discussion with SNV experts, working groups</p>
<p>Friday, 11.4.2014</p>	<p>Compact Workshop</p> <p>Morning:</p> <p>Economics</p> <p>Economic tools within the Clean Development Mechanisms</p> <ul style="list-style-type: none"> • Economy and application of CDM for the partial financing of mass dissemination programmes • „Economics of Domestic Biogas Installations“, Comparison of Countries; Steven von Eije, SNV, invited



	<p>Afternoon:</p> <p>Open Space V</p> <p>Gathering Seminar Results</p> <ul style="list-style-type: none"> • Transferability of the concepts presented "Water, Energy and Hygiene" on Rural and/or urban areas • Cooperation and networking <p>End of Compact Biogas Workshop</p>
<p>Saturday, 12.4.2014</p>	<p>Theme: Results of the Alumni-Seminar</p> <p>Morning:</p> <ul style="list-style-type: none"> • Expert Presentation: DAAD Alumni-Network development – Funding instruments; Head of Division, Ms. Ruth Krahe, DAAD • Alumni Closing Presentations • Evaluation of the Seminars <p>End of Alumni Seminar "Water, Energy And Sanitation in Urban and Decentralised Regions"</p> <p>End of Alumni Seminar</p> <p>Afternoon</p> <p>Farewell Party together with PPRE students!</p>
<p>Sunday, 13.4.2014</p>	<p>Departure</p>