

6th Annual meeting of the Danish Water Research Platform (DWRP12)

Venue: Geological Survey of Denmark and Greenland (GEUS)
Øster Voldgade 10, DK-1350 Copenhagen K,
January 26 – 27, 2012

Thursday, January 26, 2012

PRESS CONFERENCE

The Foundation for Development of Technology in the Danish Water Sector

Uandsektorens
Teknologiudviklingsfond

8.30 – 11.00 Launching of the first 14 granted projects in The Foundation for Development of Technology in the Danish Water Sector with participation of the Danish Minister of Environment, Ida Auken.

PROGRAMME - DWRP12

10.30 – 11.00 Registration and coffee

Opening session

11.00 – 11.10 B. K. Jensen, *GEUS* and chairman of *DWRP*: Welcome and Introductory remarks.

Session 1: Urban water and water treatment

11.10 – 11.40 A.-K. Skambraks, *HAMBURG WATER*. Green Energy from Black Water: *HAMBURG WATER* Cycle in a Hamburg Settlement; A lighthouse project of *HAMBURG WASSER* towards sustainable sanitation.

11.40 – 12.00 C. Schøsler, *Copenhagen municipality*. Water in Urban Planning in Copenhagen, Case Nordhavn.

12.00 – 12.30 J. Andersen, *Copenhagen Energy*. Strict legal base and an integrated management practice as a driver for green initiatives and technology.

12.30 – 13.00 K. Arnbjerg-Nielsen, *DTU Environment*. Water issues in the city in a climate change context. Challenges and research needs.

13.00 – 13.45 Lunch break

13.45 – 14.25 H. Ødegaard, *Dep. of Hydraulic and Environmental Engineering, NTNU*. Urban water management and treatment in the future – a global view.

14.25 – 14.45 C. Kragelund *et al.*, *DTI*. Comparison of a conventional wastewater treatment plant and a MBR plant by nitrification rates, qPCR and pyrosequencing.

14.45 – 15.05 C. Kjaergaard *et al.*, *Agroecology, AU*. Drainage filters and constructed wetlands to mitigate site-specific nutrient losses.

15.05 – 15.20 Coffee break

Workshop: Future research needs within the water sector

15.20 – 15.35 R. Hansen, *VTUF*: Needs and gaps seen from *VTUF* proposal catalogue.

15.35 – 15.50 P. Gravesen, *GEUS*: Forsk 2020 recommendations.

15.50 – 16.05 B. K. Jensen, *DWRP and GEUS*: Recommendations in the *WssTP* report; the European perspective.

16.05 – 16.45 Discussion and conclusions and future actions from *DWRP*.

Friday, January 27, 2011

Session 1 Urban water and water treatment (cont.)

9.00 – 9.30 U. Hindsberger, *DTI*, and M. Bergen Jensen, *KU Life*. Cities in water balance.

9.30 – 9.50 H.J.D. Sørup *et al.*, *DTU Environment*. Quantitative potential for rainwater use.

9.50 – 10.10 B. Kleinlercher, *Grontmij*. Rainfall-Runoff calculations for Green Roofs in Denmark.

10.10 – 10.30 B. Godskesen *et al.*, *Copenhagen Energy*. Life-cycle assessment of 3 alternatives for storm water management in Nordhavn.

10.30 – 10.50 Q. Zhou and K. Arnbjerg-Nielsen, *DTU Environment*. Uncertainty assessment of climate change adaptation using an economic pluvial flood risk framework.

10.50 – 11.10 Coffee break

11.10 – 11.30 I. Thygesen *et al.*, *Micro and Nanotech DTU*. Chemical and physicochemical characterization of membrane-aerated bacterial biofilm for ammonium removal in waste-water.

11.30 – 11.50 J. Muff, *AAU Esbjerg*. Examples of an Electrochemical Advanced Oxidation Process (EAOP) for degradation of pesticides, PAHs and other recalcitrant organics in water.

11.50 – 12.10 K.P. Kowalski *et al.*, *MicroDrop Aqua ApS*. MicroDrop Aqua system for treating ground-water with heavy metal contamination.

12.10 – 12.30 Discussion

12.30 Closing remarks and Lunch

Session 2: Groundwater management and pollution

9.00 – 9.30 A.V. Christiansen, *GEUS*, and E. Auken, *GI AU*: HyGEM - a new Strategic Research Council project for linking geophysical models to hydrological models.

9.30 – 9.50 C. Schamper and E. Auken, *GI AU*. Detailed mapping of the nearsurface geology/hydrology using new airborne technology.

9.50 – 10.10 M. Batioglu-Pazarbasi *et al.*, *GEUS*. Effect of herbicide concentrations on centimeter-scale vertical variability of metabolic and cometabolic mineralization potentials around the groundwater table.

10.10 – 10.30 H.T. Madsen *et al.*, *AAU Esbjerg*. Removal of pesticides in drinking water by novel use of AOPs.

10.30 – 10.50 J.B. Pedersen *et al.*, *GI AU*: A new suite of geophysical methods for mapping of groundwater pollution.

10.50 – 11.10 Coffee Break.

11.10 – 11.30 M.E. Sengupta *et al.*, *KU Life*. Use of *Moringa oleifera* seed extracts to reduce helminth parasite egg numbers and turbidity in irrigation water.

11.30 – 11.50 H. Jepsen *et al.*, *AAU Esbjerg*. Treatment of produced water to prevent interference of CaCO₃ on existing treatment facilities.

11.50 – 12.20 Discussion

12.20 Closing remarks and Lunch

Posters

Will be put up on 26 January