



UrbanFlood – SSG4Env

Joint UrbanFlood & SSG4Env Workshop

Monitoring and Flood Safety

Dates

Workshop: Thursday 11th and Friday 12th November 2010
Field visit Dutch Flood Defences: Wednesday 10 November

Location

Grand Cafe Frankendael
Middenweg 116, 1097 BT Amsterdam, The Netherlands
www.frankendael.com

Goals of the workshop

Dissemination of UrbanFlood and SSG4Env results; learning from others in the field. Looking for possibilities to cooperate (Network of Excellence, Integrated Project, Joint Programming Initiative). During the breaks UrbanFlood and SSG4Env applications will be demonstrated, and there is an opportunity to visit the poster presentations and info market.

Useful information

For the most up to date information visit the UrbanFlood website at www.urbanflood.eu.

Information on public transport in the Netherlands: www.journeyplanner.9292.nl

Information on trains in the Netherlands: www.ns.nl

Workshop Programme

Wednesday 10 November: Field Visit Dutch Flood Defences

08:00 to 08:30	Pre-registration / coffee
08:30 to 17:00	Field visit: Dutch Flood Defences in the province of Noord-Holland
<i>** please note: departure place and time and detailed programme will follow</i>	

Thursday 11 November

09:30 to 10:00	Registration / coffee
10:00 to 10:45	introduction
10:45 to 12:30	Theme 1 - Sensing
12:30 to 13:30	Lunch break + demo + poster market
13:30 to 15:15	Theme 2 - ICT
15:15 to 16:00	Coffee break + demo + poster market
16:00 to 17:30	Theme 3 - Modelling
17:30 to 18:30	Drinks
18:30 onward	Social Dinner

Friday morning, 12 November

09:00 to 10:45	Theme 4 - Application & Implementation
10:45 to 11:30	Coffee break + demo + poster market
11:30 to 12:30	Discussion: Towards European Cooperation on Flood Protection
12:30 to 13:00	Closing remarks – Rob Meijer
13:00 onwards	Lunch + demo + poster market and departure

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DETAILED WORKSHOP PROGRAMME

Thursday morning, 11 November

09:30 to 10:00	<i>Registration / coffee</i>
10:00 to 10:15	Welcome / goals for the workshop – <i>Nico Pals</i>
10:15 to 10:45	About UrbanFlood and SSG4Env/ introduction to the themes – <i>Rob Meijer & Samantha Roe</i>
10:45 to 12:30	Theme 1 - Sensing
<i>10:45-11:05</i>	Development of a Multiscale Monitoring and Health Assessment Framework for Effective Management of Flood-Control Levee Infrastructure – <i>Mourad Zeghal and Tarek Abdoun, Rensselaer Polytechnic Institute, USA</i>
<i>11:10-11:40</i>	<i>Coffee break + demo + poster market</i>
<i>11:40-12:00</i>	Early Detection of Dams and Dikes Anomalies with a Fibre-Optics Based Monitoring Solution (Artières, P. Pinettes, C. Guidoux, Y.-L. Beck, J.-R. Courivaud, J.-J. Fry, G. Dortland) – <i>Olivier Artières, TenCate Geosynthetics, and Patrick Pinettes, geophyConsult, France</i>
<i>12:05-12:25</i>	GeoBeads, multi-parameter sensor network for levee monitoring – <i>Erik Peters, Alert Solutions, NL</i>
12:30 to 13:30	<i>Lunch break + demo + poster market</i>

Thursday afternoon, 11 November

13:30 to 15:15	Theme 2 - ICT
<i>13:30-13:50</i>	Sensor networks and the semantic web - <i>Kirk Martinez, University of Southampton's Electronics and computer sciences department, UK</i>
<i>13:55-14:20</i>	Common Information Space, a framework for creating and hosting Early Warning System – <i>Bartosz Balis, PhD, Cyfronet AGH, Poland</i>
<i>14:25-14:45</i>	Machine Learning Methods for Environmental Monitoring and Flood Protection (Alexander Pyayt, Bernhard Lang, Ilya Mokhov, Artem Ozhigin) – <i>Ilya Mokhov and Artem Ozhigin, OOO Siemens, Russia</i>
<i>14:50-15:10</i>	The Strength of Solid Data..... – <i>ir. M.T. van der Meer, Fugro Water Services, NL</i>
15:15 to 16:00	<i>Coffee break + demo + poster market</i>
16:00 to 17:30	Theme 3 - Modelling
<i>16:00-16:20</i>	Coastal Flood Modelling – <i>Robin Newman Emu Ltd, UK</i>
<i>16:30-16:50</i>	The UrbanFlood multiscale modelling cascade and Virtual Dike for simulation of dike stability under dynamic hydraulic loading – <i>Valeria Krzhizhanovskaya and Natalia Melnikova, University of Amsterdam/StPSPU, NL/Russia</i>
<i>17:00-17:20</i>	Use of artificial intelligence methods in complex flood defence reliability analysis – <i>Ben Gouldby, HR Wallingford, UK</i>
17:30 to 18:30	<i>Drinks</i>

18:30 onward	<i>Social Dinner</i>
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Friday morning, 12 November

08:30 to 09:00	<i>Starting up slowly – coffee + demo + poster market</i>
09:00 to 10:45	Theme 4 – Application & Implementation
<i>09:00-09:20</i>	Empowering Stakeholders in Flood Management and Response (M.Clark; C.Hutton) – <i>Professor Mike Clark, director of the GeoData Institute, University of Southampton, UK</i>
<i>09:30-09:50</i>	Improvement of the inspection of dikes by GMS in the Czech republic (V. Beneš , G IMPULS Praha spol. s r.o.; Z. Boukalová, VODNÍ ZDROJE, a.s.) – <i>Vojtech Benes, Czech Republic</i>
<i>10:00-10:15</i>	LiveDijk Eemshaven: the first sensor network in a sea dike – <i>Sander Bakkenist , BZ Innovation Management BV and Christiaan Jacobs, Water Board Noorderzijlvest, NL</i>
<i>10:20-10:35</i>	Monitoring of embankments in the UK – <i>Jonathan Simm, HR Wallingford, UK</i>
10:45 to 11:30	<i>Coffee break + demo + poster market</i>
11:30 to 12:30	Discussion: Towards European Cooperation on Flood Protection
12:30 to 13:00	Closing remarks – <i>Rob Meijer</i>
13:00 onwards	<i>Lunch + demo + poster market and departure</i>

Please do not forget to complete the questionnaire and hand it in at the reception desk, or email it to info@urbanflood.eu.

Version: 19 October 2010