WISDOM
5th PhD Scientific Seminar

Can Tho City, Vietnam,
21-23 February 2012

Organized and hosted by:

United Nations University
Institute for Environment and Human Security (UNU-EHS)
and
Can Tho University (CTU)
Programme

**Moderation:**  Dr Fabrice Renaud (UNU-EHS)
**Language:**  English

**Tuesday, 21 February 2012**

- **08.30-8.40**  Opening Address I  
  Prof. Le Viet Dung  (Vice Rector CTU)
- **08.40-08:50**  Opening Address II  
  Dr Bui Van Quyen  (MOST-SRO)
- **08.50-09.00**  Opening Address III  
  Prof Dr Jakob Rhyner  (Vice Rector in Europe UNU, Director UNU-EHS)
- **09.00-09.30**  The WISDOM Project: Past Achievements, Current Status and the Pathway Ahead  
  Ms Juliane Huth  (DLR)
- **09.30-09.40**  Update from the Vietnamese Project Coordination  
  Dr Trinh Thi Long  (SIWRR)
- **09.40-10.00**  Discussion  
  Moderation: Dr Fabrice Renaud (UNU-EHS)
- **10.00-10.20**  Coffee Break

**Session I: Hydrology and Water Quality**

- **10.20-10.50**  Keynote I: Climate Change, Sea Level Rise Scenarios for Vietnam and the Mekong Delta  
  Prof Dr Tran Thuc  (IMHEN)
- **10.50-11.10**  Quantification of sediment and nutrient dynamics in the Mekong Delta  
  Mr Nguyen Van Manh  (GFZ)
- **11.10-11.30**  Discussion  
  Moderation: Dr Heiko Apel  (GFZ)
- **11.30-13.30**  Lunch and Open Exchange
### Session II: Hydrology and Water Quality (continued)

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<tr>
<th>Time</th>
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<th>Speaker</th>
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<tbody>
<tr>
<td>13.30-13.50</td>
<td>GNSS-Reflectometry at low elevation angles for water level observations</td>
<td>Ms Jamila Beckheinrich (GFZ)</td>
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<td>13.50-14.10</td>
<td>Modelling the upstream sediment contribution to the Mekong Delta</td>
<td>Mr Stefan Lüdtke (GFZ)</td>
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<td>14.10-14.30</td>
<td>The impact of clouds on MODIS compositing and time series processing for South East Asia</td>
<td>Mr Patrick Leinenkugel (DLR)</td>
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<td>14.30-14.50</td>
<td>Discussion</td>
<td>Ms Juliane Huth (DLR)</td>
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<td>14.50-15.10</td>
<td>Coffee Break</td>
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<tr>
<td>15.10-15.20</td>
<td>Sediment dynamics and climate change</td>
<td>Dr Peter Carl (IAMARIS)</td>
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<td>15.20-15.30</td>
<td>Towards numerical simulation of (harmful) matter transports in one- and two-dimensional channel networks, and a note on bedload transport and erosion in tidal estuaries.</td>
<td>Dr Helmut Z. Baumert (IAMARIS)</td>
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<td>15.30-15.40</td>
<td>How to avoid sandbars and bank erosion in the Can Tho area</td>
<td>Mr Johannes Post (HYDROMOD)</td>
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<td>15.40-15.50</td>
<td>Satellite based monitoring of turbidity, suspended matter and yellow substance in the Mekong Delta</td>
<td>Dr Thomas Heege (EOMAP)</td>
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<td>15.50-16.10</td>
<td>Discussion</td>
<td>Prof Dr Tran Thuc (IMHEN)</td>
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<td>16.10-17.30</td>
<td>Information Fair with Bi- and Multilateral Discussions and Individual Presentations of Partner Institutions</td>
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### Wednesday, 22 February 2012

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<tr>
<th>Time</th>
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<th>Speaker</th>
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<tr>
<td>08.20-08.50</td>
<td>Keynote II: Some selected organic hazardous substances in Vietnam : Usage, management, and pollution in river systems</td>
<td>Dr Pham Manh Hoai</td>
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<tr>
<td>08.50-09.10</td>
<td>Investigation on pesticide and antibiotic use and exposure in selected study sites in the Mekong delta</td>
<td>Ms Nguyen Dang Giang Chau (UNU-EHS)</td>
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</tbody>
</table>
09.10-09.30  Environmental footprint of agricultural practices with respect to surface water pollution  
Ms La Thi Nga (UNU-EHS)

09.30-09.50  Discussion  
Moderation: Dr Fabrice Renaud (UNU-EHS)

09.50-10.10  Coffee Break

10.10-10.30  Risk Assessment of two drinking water sources (surface-, and groundwater) in the Mekong Delta for salinity, selected nutrients, heavy metals and microbial pollution  
Mr Gert-Jan Wilbers (UNU-EHS)

10.30-10.50  Waterborne disease in Can Tho City - perceptions and strategies  
Ms Panagiota Kotsila (ZEF)

10.50-11.00  Optimised recycling of nutrients and minimisation of greenhouse gases by humification of sludge in the Mekong Delta  
Ms Susanne Wohlsager (Aquaplaner)

11.00-11.20  Discussion  
Moderation: Prof Dr Jakob Rhyner (UNU-EHS)

11.20-13.30  Lunch and Open Exchange

**Session IV: Environmental Change and Risk**

13.30-14.00  Keynote III: Flood related risk governance in Vietnam and particularly the Mekong Delta (title tbc)  
Dr. Bach Than Sinh (NISTPASS)

14.00-14.20  Evaluating climate change adaptation options in urban Can Tho City  
Ms Dunja Krause (UNU-EHS)

14.20-14.40  Development of flood damage models for residential building  
Ms Do Thi Chinh (GFZ)

14.40-15.00  Evaluating coping and adaptation processes in the light of change – An analysis of formal and informal strategies in the context of water-related hazards in rural areas of the Mekong Delta  
Ms Maria Schwab (UNU-EHS)

15.00-15.20  Discussion  
Moderation: Mr Matthias Garschagen (UNU-EHS)

15.20-15.40  Coffee Break
15.40-16.45  'Meet the Expert': Bilateral Discussions between PhD Students and Invited Keynote Lecturers
and in parallel:
Break-Out Group Discussion WP Leaders

16.45-17.30  Feedback and Open Discussion: Future Activities and Needs of the WISDOM PhD Programme
PhD Scholars and Dr Fabrice Renaud (UNU-EHS, Head of the PHD Programme)

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Thursday, 23 February 2012

Session V: Socio-Economic Change and Knowledge Management

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<th>Time</th>
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<tr>
<td>08.20-08.40</td>
<td>Wastewater Management in the Industrial Zones of the Mekong Delta: Findings along the Hau River</td>
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<td>Ms Siwei Tan (ZEF)</td>
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<td>08.40-09.00</td>
<td>Irrigation management at the local level: Findings of fieldwork</td>
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<td>Ms Thi Phuong Huynh Linh (ZEF)</td>
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<td>09.00-09.10</td>
<td>Discussion</td>
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<td>Moderation: Prof Dr Solvay Gerke (ZEF)</td>
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<td>09.10-09.30</td>
<td>Coffee Break</td>
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<td>09.30-09.50</td>
<td>Dynamics in fish farming in Can Tho City and its implications on actors’ capital</td>
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<td>Mr Sven Genschick (ZEF)</td>
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<td>09.50-10.10</td>
<td>Transforming knowledge and epistemic cultures: Knowledge diffusion for development in Vietnam’s Mekong Delta</td>
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<td>Mr Nguyen Quy Hanh (ZEF)</td>
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<td>10.10-10.30</td>
<td>Vietnam: Plural legislative framework for water quality management in the Mekong Delta</td>
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<td>Ms Nguyen Thi Phuong Loan (ZEF)</td>
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<td>10.30-10.50</td>
<td>Discussion</td>
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<td>Moderation: Dr Gabi Waibel (ZEF)</td>
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<td>10.50-12.00</td>
<td>Joint Discussion: Next Steps, Future Activities, Synergies</td>
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<td>Moderation: Dr Fabrice Renaud (UNU-EHS)</td>
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Venue and Accommodation

Venue: The seminar will take place at the conference room of the library of Can Tho University (c.f. map on next page).

Transportation: From Kim Tho Hotel the easiest way to get to the venue is by taxi. Please ask the receptionist to assist you in ordering a taxi. Please also consider sharing taxis with other seminar participants. If needed, the directions given in Vietnamese (above) will be helpful for the communication with the taxi driver.

Hotel for most external guests:

Kim Tho Hotel
1A Ngo Gia Tu street
Tan An ward
Ninh Kieu district
Can Tho city
Viet Nam

Tel.: 84 710 222 228
Fax: 84 710 221 299
Email: kimtho_hotel@kimtho.com
WISDOM project
Water-related Information System for the sustainable Development Of the Mekong Delta in Vietnam