



United Nations
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WISDOM project

**Water-related Information
System for the sustainable
Development Of the
Mekong Delta in Vietnam**

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)**



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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 |



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Session II: Hydrology and Water Quality (continued)

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

Wednesday, 22 February 2012

Session III: Hydrology and Water Quality (continued)

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|-------------|--|
| 08.20-08.50 | Keynote II: Some selected organic hazardous substances in Vietnam : Usage, management, and pollution in river systems
Dr Pham Manh Hoai |
| 08.50-09.10 | Investigation on pesticide and antibiotic use and exposure in selected study sites in the Mekong delta
Ms Nguyen Dang Giang Chau (UNU-EHS) |



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- 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**



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- 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)

Thursday, 23 February 2012

Session V: Socio-Economic Change and Knowledge Management

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



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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).

Hội nghị được tổ chức tại phòng Hội nghị của Trung tâm học liệu - Trường Đại học Cần Thơ (xem sơ đồ trang tiếp theo).

The library is located in Campus 2 of Can Tho University (KHU 2 ĐHCT).
Please use gate A for getting there.

Trung tâm học liệu tọa lạc gần cổng A thuộc Khu 2, Đại học Cần Thơ

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:

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

Tel.: 84 710 222 228
84 710 817 517
Fax: 84 710 221 299
Email: kimtho_hotel@kimtho.com



**KimTho
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