



# Rise to the Water Challenge

**Sixth Open Science Meeting  
November 28–29, 2011, Jakarta, Indonesia**

## **Exploring Water System Change: Drivers of resource availability, ecosystem functions and society**

What are the urgent challenges in assessing water system change? How can we understand changes in water systems by relating them to the central themes of biomass and ecosystems, public health and socioeconomic development?

## **Kalimantan Tides: Balancing conservation and exploitation**

What lessons can be learnt from 'Kalimantan Tides' and what can Kalimantan learn from India, Indonesia and other Southeast Asian countries by assessing their best practices in balancing conservation and exploitation?

## Rise to the Water Challenge

Water, biomass (for food and energy), nutrients and space are among the most important life resources and are closely regulated by water systems and water circulation. All living organisms depend on these resources. The quantity and the form in which they are available, used and reused determine to a significant extent the functioning of the world's ecosystems. These resources are vital for human survival, and only little economic and other development can take place without adequate supplies. However, in many places, water systems and water circulation are being seriously disrupted, upsetting the provision of important ecosystem functions and services with uncertain outcomes for human societies and economic development. Integrated and interdisciplinary assessments are needed to understand the interdependence of natural resources and the components that make up water systems for viable long-term resource management.

We invite you to actively take part in the Open Science Meeting (OSM) 'Rise to the Water Challenge' on the 28th and 29th of November 2011 where an international scientific forum is being brought together to present comparative cases and practices from Indonesia, elsewhere in Southeast Asia and India, relating changes in water systems to:

- Biomass and ecosystems
- Public health
- Socioeconomic development

The first day of the Open Science Meeting, **Exploring water system change: drivers of resource availability, ecosystem functions and society**, will start with a plenary session framing quantitative and qualitative aspects of water systems in ecosystems and human society, followed by three cross-disciplinary parallel in-depth thematic sessions. The first day will be concluded with a plenary panel discussion. During the day there will be opportunities for OSM participants to present "laptop posters".

On the **second day**, the scientific forum will concentrate on **Kalimantan Tides: balancing conservation and exploitation**. Kalimantan is facing large-scale economic and ecological changes and provides a situation in which the central themes of biomass, public health and socioeconomic development, and their relations to water, can be studied from various disciplinary perspectives.

Following these two days, on **days 3 – 5**, Indonesian universities will host a number of master classes on concerns related to water systems related to Health and Medical Sciences, Forestry and Agriculture, Wetlands, and Sustainable Livelihoods and Resource Use. If you would like to register as a participant for this year's Open Science Meeting: Rise to the Water Challenge on 28th and 29th November 2011 or for one of the master classes, please visit: [www.osm2011.org](http://www.osm2011.org), and register online.

### About the Open Science Meeting

The tradition of the Open Science Meetings (OSM) began in 2002, when Indonesia and the Netherlands reconfirmed their long history of scientific cooperation. The Open Science Meetings are an initiative of the Joint Working Group for Scientific Cooperation between Indonesia and the Netherlands (JWC). Five OSMs have so far been organised by various Indonesian and Dutch institutions. Recurring themes include synergies between 'differing' disciplines (notably the social and natural sciences) and between science and society.

### Organisation

The Open Science Meeting will be organised by the Royal Netherlands Academy of Arts and Sciences (KNAW), the Indonesian Academy of Sciences (APII) and the Radboud University Nijmegen (Centre for Pacific and Asian Studies, CPAS), together with the Ministry of Research and Technology of the Republic of Indonesia (RISTEK), the Netherlands Organization for Scientific Research (NWO) and other Dutch and Indonesian universities, research institutes and organisations.

### Organising Committee

1. Dr. Satryo Soemantri Brojonegoro (The Indonesian Academy of Sciences)
2. Dr. Rudie Trienes, Dr. Sikko Visscher (Royal Netherlands Academy of Arts and sciences)
3. Dr. Renée van Kessel, Dr. Cora Govers (Netherlands Organisation of Scientific Research)
4. Dr. Edwin de Jong, Dr. Laurens Bakker, Dr. Luuk Knippenberg (Radboud University Nijmegen)
5. Dr. Huub Löffler (WUR, coordinator Agriculture Beyond Food-NWO/KNAW)
6. Prof. Dr. Salomon Kroonenberg, Prof. Piet Hoekstra (coordinators East Kalimantan Programme)
7. Ms. Nada Darmiyanti Marsudi (RISTEK, Jakarta)
8. Ms. Selli Salbiah Salmoen, Deputy Director for Facilitating International S&T Network Ministry of Research and Technology of Republic of Indonesia, BPPT (SEA-EU-NET)

### Advisory Committee

1. Prof. dr. Sangkot Marzuki (Indonesian Academy of Sciences, Jakarta)
2. Prof. Dr. Syamsa Ardisasmita, (DEA), Deputy Minister for ST Network (RISTEK, Jakarta)
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7. Prof. Dr. Michael Parnwell (University of Leeds)
8. Prof. Dr. Henk Schulte Nordholt (KITLV)
9. Dr. Kathy Mac Kinnon (WorldBank)



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