

GEOSS Joint Asia-Africa Water Cycle Symposium

Ito International Research Center, Ito Hall, University of Tokyo, Hongo Campus
25 – 27 November 2013

Agenda

Monday 25 November

09:30 – 10:00 Registration

10:00 – 10:30 1. Opening

MC: Dr. Petra Koudelova

Welcome Speech

Douglas Cripe, *Group on Earth Observations (GEO)*

Keisuke Isogai, *Ministry of Education, Culture, Sports, Science and Technology (MEXT)*

Shizuo Yamamoto, *Japan Aerospace Exploration Agency (JAXA)*

Akio Takemoto, *Asia-Pacific Network for Global Change Research (APN)*

Toshio Koike, *The University of Tokyo (UTokyo)*

Photo session

10:30 – 12:10 2. GEOSS Capability and Needs of Stakeholders

Chaired by Dr. Richard Lawford

Speeches:

His Excellency Mr. Farukh Amil, *Ambassador of Pakistan*

His Excellency Mr. Madan Kumar Bhattarai, *Ambassador of Nepal*

Key Notes:

Douglas Cripe, *GEO: GEOSS Capability and Needs of Stakeholders*

Toshio Koike, *The University of Tokyo (UTokyo): GEOSS Water Cycle Integrator*

Panel Discussion:

Masami Fuwa, *Japan International Cooperation Agency (JICA)*

Venkatachalam Anbumozhi, *Asian Development Bank Institute (ADBI)*

Masayuki Tamagawa, *African Development Bank (AfDB)*

Mikio Ishiwatari, *World Bank (WB)*

Yoshiaki Kinoshita, *Ministry of Education, Culture, Sports, Science and Technology (MEXT)*

Yusuke Amano, *Ministry of Land Infrastructure and Tourism (MLIT)*

Douglas Cripe, *Group on Earth Observations (GEO)*

Toshio Koike, *The University of Tokyo (UTokyo)*

Panel Discussion Questions:

- 1) Considering the overall area of responsibility and trends what would you say are the information needs in your geographic area that will increase in the future?
- 2) What types of decisions does your organization make in relation to water and water management? Where do you get your information to assist in making these decisions?
- 3) How could the existing information available in the local communities for decision making be improved (quantity, accuracy, timeliness, access, etc)?
- 4) In assessing the priorities for supporting water activities how does your agency decide which projects should receive funding?

12:10 – 13:10 Lunch

13:10 – 15:10 3. Water cycle Observations and Integrated Water Resources Management (IWRM)

Chaired by Dr. Douglas Cripe

Speeches:

His Excellency Mr. Francois OUBIDA, *Ambassador of Burkina Faso*

Dr. Sivaji Chadaram, *Counsellor, Embassy of India*

Key Notes:

Srikantha Herath, *United Nation University (UNU)*

Shigeo Ochi, *Ministry of Land Infrastructure and Tourism (MLIT)*

Panel Discussion

Srikantha Herath, *United Nation University (UNU)*

Tadashige Kawasaki, *Network of Asian River Basin Organizations (NARBO)*
Akio Takemoto, *Asia-Pacific Network for Global Change Research (APN)*
Andre Nonguierma, *United Nations Economic Commission for Africa (UNECA)*
Ghulam Rasul, *Pakistan Meteorological Department (PMD)*
Richard Lawford, *Integrated Global Water Cycle Observations (IGWCO)*
Chu Ishida, *Japan Aerospace Exploration Agency (JAXA)*

Panel Discussion Questions:

- 1) What can the Earth observation community do to address the needs of stakeholders in terms of providing information about the water cycle for IWRM?
- 2) What opportunities should be provided in terms of (1) developing Capacity Building Programs for practitioners, administrators and decision makers; and (2) harmonizing Earth observation missions in the area of IWRM with funding activities of stakeholders? What role do you see for GEO to play in facilitating these activities?
- 3) It goes without saying that in-situ networks for water cycle variables are critically important, both for the precise nature of the information they provide, and also as a means to validate satellite retrievals and model outputs. Yet, no comparable coordination body such as the Committee on Earth Observation Satellites (CEOS) exists for in-situ networks. Moreover, it is often said that in-situ networks worldwide are not only not keeping pace, but most systems are actually in decline. How do we provide an international coordination body that would act to reverse this trend and draw attention to the importance of sustaining and expanding in-situ networks for water cycle variables? Are there specific items that AWCI and AfWCCI can address or implement to deal with this issue?
- 4) The concept of IWRM was refined subsequent to the World Summit on Sustainable Development in 2002, Johannesburg, and it was the Global Water Partnership's definition of IWRM that has been widely accepted. It states:
"IWRM is a process which promotes the co-ordinated development and management of water, land and related resources, in order to maximize the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems."
In your opinion, is this definition still valid/relevant today? Why or why not? What can GEO do in terms of supplying Earth observations to support IWRM?

15:10 – 15:30 BREAK

- 15:30 – 17:30 **4. Contributions by Earth Observation & Science Communities** *Chaired by Prof. Toshio Koike*
Christine Lee, *National Aeronautics and Space Administration (NASA)*
Martin Medina, *National Oceanic and Atmospheric Administration (NOAA): NOAA Satellite Activities to Monitor Water*
Kazuo Umezawa, *Japan Aerospace Exploration Agency (JAXA): JAXA Contributions to Water Cycle Observation*
Bruno Meyer, *South African National Space Agency (SANSA)*
Richard Lawford, *Integrated Global Water Cycle Observations (IGWCO)*
Osamu Ochiai, *Group on Earth Observations (GEO) : GEOSS Common Infrastructure*
Kazutoshi Onogi, *Japan Meteorological Agency (JMA): Introduction of the JRA-55 Reanalysis*
Yasushi Izumikawa, *Japan Meteorological Agency (JMA): Introduction of Himawari-8*
Yoichi Iwami, *International Center for Water Hazard and Risk Management (ICHARM): ICHARM Challenges for Contribution to Water Related Disaster Reduction and Prevention*
Sam Benedict, *Global Energy and Water Exchanges Project (GEWEX): Global Energy and Water Exchanges*
Anette Johnson, *Swiss Federal Institute of Aquatic Science and Technology (Eawag): Groundwater Quality; A health issue?*

17:30

5. Poster Session and Cocktail Party

MC: Ms. Akiko Goda

Speech:

His Excellency Mr. Mohamed ELLOUMI, *Charge d'Affaires.a.i. Tunisia*

Tuesday 26 November

9:00 – 10:30 6. African Session *Chaired by Prof. S.B. Weerakoon*

Speech:

Mr. Sami Boughanmi, *First Secretary, Embassy of Tunisia*

Key Note:

Abou Amani, *United Nations Educational, Scientific and Cultural Organization (UNESCO)*

Introduction to Projects

1. Kenya (*Charles Ndegwa, David Kuria, Felix Mutua*)
2. Morocco (*Kamal Labbassi*)
3. Tunisia (*Zoubeida Bargaoui, Moncef Rekaya*)
4. Niger river basin (*Abdou Ali, Bachir Tanimoun Alkali*)
5. Volta river basin (*Jacob Tumbulto, Charles Biney*)
6. Lake Chad basin (*Mohammed Bila Danasabe, Ahmed Sedick*)

10:30 – 10:50 *BREAK*

10:50 – 12:00 7. Asian Session *Chaired by Prof. Zoubeida Bargaoui*

Key Note:

Deg-Hyo Bae, *Sejong University*

Introduction to Projects

1. Bangladesh (*Elias Hossain*)
2. Cambodia (*So Im Monichoth*)
3. India (*Rakesh Kumar*)
4. Indonesia (*Muhammad Syahril Badri Kusuma*)
5. Lao PDR (*Bounteum Sysouphanthavong*)

12:00 – 12:30 Poster Session – 2

12:30 – 13:30 *Lunch*

13:30 – 16:00 7. Asian Session –continue *Chaired by Dr. Johnson Oguntola*

Key Notes:

Masaru Kitsuregawa, *The University of Tokyo (U-Tokyo)*

Seetharam Kallidaikurichi, *Asian Development Bank (ADB)*

Introduction to Projects

6. Malaysia (*Mohd Zaki Mat Amin*)
7. Mongolia (*Gombo Davaa*)
8. Myanmar (*Myo Tun Oo*)
9. Nepal (*Shiv Kumar Sharma*)
10. Pakistan (*Bashir Ahmad*)
11. Philippines (*Jorybell Masallo*)
12. Sri Lanka (*S.B. Weerakoon*)
13. Thailand (*Thada Sukhaphunnaphan*)
14. Uzbekistan (*Irina Dergacheva*)
15. Vietnam (*Dang Ngoc Tinh*)

16:00 – 16:20 *BREAK*

16:20– 18:00 8. Discussion for Implementation Planning

Moderated by Richard Lawford,

18:00 *Adjourn*

Wednesday 27 November

9:30 – 11:30 **9. Toward Implementation** *Chaired by Dr. Richard Lawford*

Summary Report:

Toshio Koike, *The University of Tokyo (UTokyo)*

Panel Discussion:

Masayuki Tamagawa, *African Development Bank (AfDB)*

Yoshiaki Kinoshita, *Ministry of Education, Culture, Sports, Science and Technology (MEXT)*

Yusuke Amano, *Ministry of Land Infrastructure and Tourism (MLIT)*

Srikantha Herath, *United Nation University (UNU)*

Abou Amani, *United Nations Educational, Scientific and Cultural Organization (UNESCO)*

Kenji Someya, *Network of Asian River Basin Organizations (NARBO)*

Douglas Cripe, *Group on Earth Observations (GEO)*

Richard Lawford, *Integrated Global Water Cycle Observations (IGWCO)*

Toshio Koike, *The University of Tokyo (U-Tokyo)*

Panel Discussion Themes:

- A. The current status of AWCI and AfWCCI activities
Based on the presentations we heard over the last two days what is our present situation with respect to current needs in different basins and nations, present programmes and capabilities, and our ability to coordinate and deliver on these programmes?
- B. The future plans for AWCI and AfWCCI activities. Emphasis should be given to the PDMs that will be circulated before the workshop.
What do we want to achieve in 10 years(?) 5 years(?) 2 years(?) through the efforts of GEO activities in Asia and Africa? Special consideration should be given to the ways in which AfWCCI and AWCI could contribute to the Sustainable Development Goals.
- C. This discussion will provide guidance on how we move from the current situation to future milestones. This topic will be the centerpiece for the discussions.
Given the needs of stakeholders, the capabilities of participating organizations and the funding interests of ODAs what steps do we need to take now? Specific issues that should be addressed include 1) the means of implementation (tools, data, funds and other resources, capacity building; 2) how to organize among agencies and on-going activities to address our needs; 3) identifying the ways in which AfWCCI can take advantage of linkages with AWCI and GEO infrastructure and vice versa. These should include steps that will involve incremental improvements in the ability of responsible services to deliver a programme.
- D. Given that this Symposium represents a unique opportunity to bring together Asian and African experts, what ongoing coordination functions and activities can be developed to maximize the benefits of this collaboration on an on-going long-term basis?

11:30 – 12:00 **10. Summary and Closing**

MC: Dr. Petra Koudelova

12:00

Adjourn