

Asian Water Cycle Symposium

The University of Tokyo, Tokyo, Japan, 2-4 November 2005

Timeline/Agenda

Wednesday, 2 November 2005:

8:30 – 9:00 Registration

9:00 – 9:30 1. Opening

Chair: T. Koike

- 1.1 K. Musiaka, Chairman of Organizing Committee
- 1.2 Y. Haruyama, GEO Work Plan Task Team
- 1.3 Host Organizations
 - Y. Nojiri, Cabinet Office of Japan
 - H. Komiyama, President, the University of Tokyo
- 1.4 H. Ida, GEO Representative from Japan, MEXT

9:30 – 10:20 2. Introduction to GEOSS

- 2.1 GEOSS (Y. Haruyama)
- 2.2 IGWCO and Water Cycle Societal Benefit Area Targets (R. Lawford)

10:20 – 10:50 BREAK

10:50 – 12:10 3. Convergence of Observations

Chair: R. Lawford

These presentations and discussions are directed at determining how can we achieve the GEO WC Targets:

- Facilitate improvements in existing in-situ observation systems through coordination and optimization of existing in-situ networks and produce a plan for a network of sophisticated, integrated in-situ observation sites.
- Facilitate establishment of an international coordination function for in-situ water cycle observations and data integration and dissemination and advocate eliminating barriers to the free and open exchange of data and software to enable full access by water managers in developing countries.

- 3.1 UNESCO (A. Szollosi-Nagy)
- 3.2 JAMSTEC Asian Water Cycle Observation Network (T. Ohata)
- 3.3 CEOS/JAXA (C. Ishida)
- 3.4 CEOP (T. Koike) 1/3 2/3 3/3

12:10 – 13:10 LUNCH

13:10 – 14:00 3. Convergence of Observations – continued

Chair: R. Lawford

- 3.5 General discussion

14:00 – 15:30 4. Asian Demonstration Projects Contributing to GEOSS

Chair: T. Oki

- 4.1 Indonesia
- 4.2 India
 - 4.2.a Continental Tropical Convergence Zone (CTCZ) (S.R. Kalsi)
 - 4.2.b Indian Monsoon Issues (G.S. Bhat)
- 4.3 Pakistan
 - 4.3.a An Overview of Water Resources of Pakistan (M. Kahlowan)
 - 4.3.b Integrated Water Resources Management Using Remote Sensing Data in Upper Indus Basin
- 4.4 Sri Lanka (P.M.J. Banda)
- 4.5 Bangladesh (Md. Isram)

15:30 – 16:00 BREAK

16:00 – 18:10 4. Asian Demonstration Projects Contributing to GEOSS –continued

Chair: T. Sribimawati

- 4.6 Malaysia (S. Moten)
- 4.7 Vietnam (N. Thanh)
- 4.8 Laos (S. Fukai)
- 4.9 Thailand
 - 4.9.a GAME-T Thailand
 - 4.9.b The global MM5 for Long Range Weather Forecast in Thailand
(B. Archevarahuprok)
 - 4.9.3 Thailand Hydroinformatics Platform on Prototype Area (H. Vathananukij)
- 4.10 Indian Ocean Observing System (Y. Masumoto)
- 4.11 Korea (S. Kim)

18:10 ADJOURN

18:30 Reception

Thursday, 3 November 2005:

9:00 – 10:50 4. Asian Demonstration Projects Contributing to GEOSS –continued

Chair: J. Matsumoto

- 4.12 China Aridification of Northern China/Tibet/Yellow River
 - 4.12.a Study on Aridization of Northern China (C.Fu)
 - 4.12.b Optimum Observation Sites over the Tibetan Plateau for Understanding the Asian Monsoon and Its Impacts (W. Guoxing)
 - 4.12.c Energy and Water Cycle over the Tibetan Plateau Disaster Mitigation and Water Cycle Resources in Monsoon Asia
 - 4.12.d On the Project of Metrological Disasters Cooperating between China and Japan under JICA
 - 4.12.e Study on Land Surface processes over the Tibetan Plateau Area
 - 4.12.f Problems and Issues on Water in China under Changes of Water Cycle (T. Kusuda)
 - 4.12.g Hydrological Monitoring and Information Services in China (J.Cai)
 - 4.12.h A New Focus on the Yellow River Study (C.Liu)
- 4.13 Mongolia
 - 4.13.a Activities of MAVEX, IORGC and RAISE Projects
 - 4.13.b A Plan of a New Research Program on Water Cycle in Mongolia Under the post-RAISE program (J. Asanuma)
 - 4.13.c Changes in hydrological systems of Mongolia (D. Gombo)
- 4.14 Mekong Committee
 - 4.14.a Current Mekong water Study Groups in Japan (K. Takeuchi)
 - 4.14.b Study on process Models in the Mekong River Basin
 - 4.14.c Overview of GEOSS-related activities at the Mekong River Commission (U. Hedlund)

10:50– 11:20 BREAK

11:20 – 12:30 5. Interoperability

Chair: H. Vathananukji

- 5.1 In-situ Data Archiving and Quality Check (S. Williams)
- 5.2 User Interface for In-situ Data Archive in Asia (K. Tamagawa)

- 5.3 Metadata (R. Shibasaki)
- 5.4 Global Mapping(H. Maruyama)

12:30 – 13:30 LUNCH

13:30 – 15:00 6. Data Management

Chair: S. Williams

- 6.1 Data Integration and Information Fusion (M. Takagi)
- 6.2 Distributed Data Integration System + Demonstration (O. Ochiai, B. Burford)
- 6.3 Centralized Data Integration System + Demonstration
(K. Taniguchi, T. Nemoto, E. Ikoma, M. Yasukawa)
- 6.4 GSWP (T.Oki)

15:00 – 15:30 BREAK

15:30 – 18:00 7. International Science Programs/Projects

Chair: G. Wu

- How they will contribute to GEO? (15 min. each including discussions)
- 7.1 GWSP(L. Changming(TBD))
 - 7.2 GEWEX (R. Lawford)
 - 7.3 GAME and Pan-WCRP Monsoon (T. Yasunari)
 - 7.4 MAHASRI (J. Matsumoto)
 - 7.5 CliC (T. Ohata)
 - 7.6 PUB (Y. Tachikawa)
 - 7.7 ICHARM (A. Terakawa)
 - 7.8 GPM/GFAS (R. Oki/K.Fukami)
 - 7.9 UNESC-GRAPHIC (M. Taniguchi)

18:00 ADJOURN

Friday, 4 November 2005:

9:00 – 10:30 8. Discussion Session

Chair: T. Koike

- 8.1 Convergence of Observation
 - *How to define the components of GEOSS Water in Asia;*
 - *How to converge or harmonize observation methods;*
 - *How to promote the use of standards and references, inter-calibration, and data assimilation.*
 - *How to use the Asian experience to contribute to broader global GEO targets and goals*

10:30 – 11:00 BREAK

11:00 – 12:30 8. Discussion Session – continued

Chair: T. Koike

- 8.2 Interoperability
 - *How to define and update interoperability arrangements, focusing on technical specifications for collecting, processing, storing, and disseminating shared data, metadata and products.*
- 8.3 Data Management
 - *How to facilitate data management, information management, and common services*
 - *How to promote data policies for free and open data exchange in Asia and globally*

12:30 – 13:30 LUNCH

13:30 – 14:30 9. Drafting Session

14:30 – 15:00 BREAK

15:00 – 16:30 10. Summary Session

Chair: S. Benedict

- Common Perception of the present and near-future state of observation convergence, interoperability, and data management for water cycle in Asia
- A Draft Action Plan for 'Asian GEOSS Water Initiative'

16:30 – 17:00 11. Closing Session

Chair: S. Benedict

- *Director Secretariat, GEO (J. Achache)*

17:00 ADJOURN