

5th GTN-H Coordination Panel Session

University of Tokyo, Tokyo, Japan

12-13 March 2011

Provisional Agenda

The Agenda is organized in six blocks:

I. GTN-H Status

Update on ongoing activities carried out by GTN-H partners and review of our accomplishments since the last GTN-H meeting. Although, GWSP is not a GTN-H partner their Water Atlas represent potential extension for more comprehensive water resources assessments.

II. Hydrological Cycle Observations

Serving GCOS is a key GTN-H task. This block will allow the discussions of new advancements in hydrological observations at the same time revisit the state of traditional monitoring networks. The goal is revisit existing and new Earth observing capabilities and evaluate their potential contribution to water cycle observations.

III. New Data Products

GTN-H was always open to include new components. The goal of this block to identify new products and their role in complementing existing GTN-H elements.

IV. GTN-H as a Backbone to Water Resources Assessments

GTN-H is already the backbone for a range of water resources assessments. This block will showcase a couple of applications, where GTN-H provided the core hydrology.

V. Global and Regional Earth Observation Information Systems

Number of regional and global efforts aims to build information systems to support specific Earth Observation capabilities. Linking GTN-H to these efforts will not only enrich GTN-H content, but offer the opportunity to disseminate GTN-H products more broadly. Furthermore, the technologies deployed in the various observational information systems has great potential to improve GTN-H services.

VI. Advancing GTN-H

This last block is to give the meeting participants an opportunity to comment on the current directions of GTN-H and hash out the work plan for the next two years. The new work plan could either build on the current action items that were rolled over during the last couple of GTN-H meeting cycle, or participants could recommend an entirely new list. Perhaps, the action items could be listed in three categories:

- a) activities that are already funded and could serve GTN-H
- b) activities that need will need funding and stand good chances to receive financial support in the not too distant future
- c) activities that would be important for GTN-H, but no funding is on the horizon

March 12 Saturday

9:00 – 9:15 *Opening - The role of GTN-H in WMO and GEO (W. Grabs)*

9:15 – 9:30 *Linkages between GTN-H and other international efforts (GWSP, IGWCO, GCOS) (B. Fekete)*

I. Hydrological Observations

9:30 – 9:45 GCOS Implementation plan in support of the UNFCCC (K. Onogi, *JMA*)

9:45 – 10:00 Global Satellite Mapping of Precipitation – GSMaP (TBD – *JAXA*)

10:00 – 10:15 Integrated in-situ and remote sensing observations (B. Fekete – *CCNY*)

10:15 – 10:30 Evaporation (D. Toll – *NASA*, presenter: TBD)

Coffee break

10:45 – 11:00 Measurement of the Surface Water – SWOT (K. McDonald – *CCNY*)

11:00 – 11:15 Inventory of Surface water bodies (B. Fekete – *CCNY*)

11:15 – 11:30 Riverine constituent fluxes (R. Robarts – *EC*)

11:30 – 11:45 Soil Moisture Monitoring – SMAP (K. McDonald – *CCNY*)

11:45 – 12:00 Discussion

Lunch break

II. GTN-H Status

13:00 – 13:15 GRDC (Ulrich Looser - *BfG*)

13:15 – 13:30 GPCC (A. Becker – *DWD*, presenter: W. Grabs)

13:45 – 14:00 GEMS Water (R. Robarts, *EC*)

14:00 – 14:15 HYDROLARE (Valery Vuglinsky – *SHI*, presenter: U. Looser)

14:15 – 14:30 Soil Moisture (Peter van Oevelen - *GEWEX*)

14:30 – 14:45 IGRAC – NSIDS – Arctic-RIMS (B. Fekete – *CCNY*)

Coffee break

III. New Data Products

14:30 – 14:45 Candidate products for GTN-H integration (B. Fekete – *CCNY*)

14:45 – 15:00 GWSP Water Atlas (H. Voigt – *U. Bonn*)

15:00 – 15:15 Arctic-RIMS (A. Shiklomanov – *UNH*, presenter: B. Fekete)

15:15 – 15:30 GTN-H milestones Activity status (B. Fekete – *CCNY*)

Coffee break

IV. GTN-H as a Backbone to Water Cycle Related Efforts

15:45 – 16:00 WWAP Indicators (K. McDonald – *CCNY*)

16:00 – 16:15 Water Resources report cards GWSP Integrated products (H. Voigt – *U. Bonn*)

16:15 – 16:30 BAMS Annual Climate Summary and IPCC AR5 (B. Fekete – *CCNY*)

16:30 – 17:00 Discussion

March 13 (Sunday)

V. Global and Regional Earth Observation Information Systems

- 9:00 – 9:15 GEO (D. Cripe, *GEO Secretariat*)
- 9:15 – 9:30 GTOS and GCOS (TBD – *GTOS representative*)
- 9:30 – 9:45 WMO Integrated Global Observing and Information Systems (WIGOS-WIS); GTN-H IGWCO (GEO) Integration (W. Grabs – *WMO*)
- 9:45 – 10:00 JAXA Distributed Data Integration System for the Water Community (S. Miura – *JAXA*)
- 10:00 – 10:15 Geodetic Measurement of the Water Cycle (N. Miller – *UC. Berkeley*)
- 10:15 – 10:45 Initiating the GTN-H - AWCI dialog (B. Fekete – *CCNY*)

Coffee break

- 11:00 – 11:30 AWCI Presenters to be confirmed (Max 3 speakers)
- 11:30 – 12:00 Discussion and recommendations.

Lunch

- 13:30 – 15:00 Asian contribution

Coffee break

VI. Advancing GTN-H

- 15:15 – 16:00 Open brainstorming
- 16:00 – 17:00 Work plan preparation for the next GTN-H cycle