

Preliminary Draft (1/5/2017 15:00 CST)

The Water Assessment/ WEF Information System Workshop (January 12 and 13, 2017)

Public Meeting Room
NOAA Center for Weather and Climate Prediction
University of Maryland
MSquare Research Park
College Park, Maryland
(WEBEX connection information is at the end of this agenda)

Thursday – January 12

08:30 – 08:45: Registration

08:45 – 10:30 Background to the SWFP and its Water Assessment and WEF Activities

- a) SWFP and Water Assessments (Charles Vosomarty- CCNY)
- b) WWAP Water Assessments (Stefan Uhlenbrook – WWAP (by Webex))
- c) USGS Water Assessments (Meredith Reitz - USGS)
- d) Future Earth WEF Nexus Cluster Project (Rick Lawford)
- e) GEOGLOWS Overview (Angelica Gutierrez - NOAA)
- f) NASA Applied Research on Water (Brad Doorn - NASA)
- g) NEWS Products (Paul Houser)

10:30 – 10:45: Coffee Break

10:45- 12:15: Needs for Basic Data Products to meet Water Assessment Needs

- a) Review of Needs for Data/information products for water assessments (Balazs Fekete)
- b) GEO efforts to achieve the SDG goals (GI-18) (Lawrence Friedl or Argyro Kavvada - NASA)
- c) UN/ World Bank Study on data for the Water SDG (Noosha Tayebi - TBC)
- d) Inputs on satellite applications for GEMI planning (Sushel Unninayar)
- e) Discussion

12:15-13:15: Lunch

13:15- 14:15 Developing a Water Assessment: Discussion: Defining a Road Map for Water Assessments
(Discussion to be led by Charles Vorsomarty)

14:15 – 15:30: Hydrologic Data Providers: Products and Perspectives

- a) Precipitation (G. Huffman – NASA)
- b) Soil Moisture (Iliana Mladenova)
- c) Groundwater (Frederick Policelli TBC)
- d) Streamflow and the integration of remote sensing and in-situ data (John Jones - USGS)

e) G-Realm and Water Levels (Charon Birkett)

15:30 – 15:45: Coffee

15:45 – 16:30: Hydrologic Data Providers: Products and Perspectives continued

- f) Evapotranspiration (TBD)
- g) Satellite-based water budgets products (Matt Rodell - NASA)
- h) LIS and LDAS Products (Christa Peters-Lidard TBC)
- i) AquaWatch and the assessment of water quality (Emily Smail, NOAA)

16:30 – 17:30: Discussion on designing an on-going system for assessing water using existing tools and products

Friday – January 13

08:45 – 10:30: Background to the Water –Energy-Food Nexus:

- a) Ideas and Data Needs from past Future Earth regional WEF workshops (Rick Lawford)
- b) WMO needs for WEF information (John Qu)
- c) The WEF Nexus in Asia and its links to the monsoon (Jianguo Qi)
- d) The role of land information and land policies in managing the WEF (Claudia Ringler by Webex)
- e) Data issues in WEF studies in the USA (TBD)
- f) GEOGLAM Products (Pierre Gullivec UMCP)

10:30 -10:45: Coffee

10:45 – 11:45: Background to the Water –Energy-Food Nexus continued

- g) Other Agricultural Products (TBD)
- h) Energy products (TBD)
- i) case study applications in Brazil, South Africa and China, combining earth obs and modeling (Fernando R. Miralles-Wilhelm)
- j) Ideas for launching and funding international activities (A. Hillers - GEF)

11:45 – 12:30: Discussion on the possible recommendations for Water-Energy-Food in the Future Earth Report on “the use of integrated information and improved governance to enhance the sustainability of the W-E-F Nexus.”

- a) Overview of possible recommendations (Rick Lawford)
- b) A possible approach to the E2E WEF Stressor study (Charles Vorosmarty)
 - i) Overview of the activity (presentation by Charles Vorosmarty)
 - ii) Discussion: Data and Tools that could contribute
 - iii) Discussion: Road map for moving forward

12:30 – 13:30 Lunch

13:30 – 15:00: Discussion on the possible recommendations for Water-Energy-Food in the Future Earth Report on “the use of integrated information and improved governance to enhance the sustainability of the W-E-F Nexus.” continued

- c) Pilot projects (Rick Lawford)
 - i) What is feasible?
 - ii) Basins that we could build on.
- d) WEF Nexus indicators and links to the SDGs
 - i) What indicators are useful
 - ii) How will we compute them
 - iii) Relationships to the SDG indicators
- e) Other discussion topics and recommendations
 - i) Missing data – where can we find them?
 - ii) Socio-economic data and information platforms
 - iii) Discussion: Using data and information as a transformative element
 - iv) Program Implementation Considerations

15:00 – 15:30: Coffee

15:30- 16:00: Summary and identification of an Action Plan

GEO WEF Nexus E2E Project Workshop

Every day, from :

Thursday, 12. January 2017, to Friday, 13. January 2017

8:00 | Eastern Standard Time (New York, GMT-05:00) | 10 hrs

Meeting number (access code): 707 180 374

Meeting password: AB4CWf28



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