GEO-X and Geneva Summit

15th Annual POGO meeting

Hobart, Tasmania
22-24 January 2014
Douglas Cripe, GEO Secretariat

GEO-X Plenary

Approved:

• GEO Report on Progress 2011-2013
  – ChloroGIN featured
• GEO 2012-2015 WP
  – new structure of SB-01 Oceans and Society: Blue Planet
• Assessment of Task progress
  – SB-01: yellow
  – funds for ChloroGIN and SAFARI
  – interoperability between ocean data portals such as OceanSITES and the GEOSS Portal
Geneva Ministerial Summit

• Mandate for GEO renewed through 2025

• Vision for GEO 2025

• Preparation of the next GEOSS Implementation Plan 2016-2025
  – Geneva Declaration, Article 10:
    “… taking into account commitments to the United Nations Sustainable Development themes”

Vision for GEO 2025

GEO is a partnership of governments and Organizations that envisions “a future wherein decisions and actions for the benefit of humankind are informed by coordinated, comprehensive and sustained Earth observations, and information.”
Vision for GEO 2025

The goal is to further leverage GEO’s substantial accomplishments to improve Earth observations, as well as to increase the availability of Earth observations, data, and information for the purposes of:

- Achieving national and international objectives for a resilient society, sustainable economy and healthy environment worldwide;
- Addressing global and regional challenges by deepening understanding of Earth system processes and improving the link between scientific understanding and policymaking at these levels; and
- Sustainably growing economies, reducing redundancy and reducing costs to public sector budgets through innovation and shared collaborations.

Vision for GEO 2025

- sustaining an information system that provides access to the data and products of its Member governments and Participating Organizations;
- fostering global initiatives that address identified gaps in Earth observation information;
- mobilizing appropriate resources for Earth observation capacity building with a specific emphasis on developing countries through partnerships with relevant governmental, non-governmental and multilateral development institutions;
- allowing for the possibility of modifications to GEO’s current Societal Benefit Area structure, exploring linkages to sustainable development themes;
- making a renewed effort to collaborate with the private sector while remaining an intergovernmental partnership; and
- developing a specific and strengthened framework or mechanism for steady resource commitments to GEOSS, from both public and non-public sources, while relying on the principle of voluntary contributions.
Sharing water data has been difficult...

Essentially all national governments share weather data. But very few share water resources data.

- **Political dimension** can be complex
  - But many countries want to help others in need
  - And countries responding to a local disaster desperately need help – their own infrastructure may not even be available

- **Technical dimension** can be complex
  - Programming and hosting data and catalog services
  - We can help!

AIP-6 Water SBA: Key Concepts

Project has made water data sharing easier, through:

1. Improved discovery and access to water time series data, across domain-community resources
2. Integration of gridded & time series data sources
3. Enabling federation of regional & national water data around a common information model and service architecture

**AIP-5 demonstrated proof-of-concept, hosting all the metadata from the University of Texas. AIP-6 engaged participation in 6 other countries including:**

- National agencies – data producers
- Vendors – commercial products
- Academia – research centers
Three major risks for the global economy:
1. The macroeconomic balances nexus
2. The illegal economy nexus
3. The water-food-energy nexus

(2011 World Economic Forum)
GEOSS Water Strategy Report

Chapter
1: The Proposed Objectives for the Strategy
2: Opportunity Areas for Water
3: User needs and User engagement
4: Data requirements
5: Challenges and Opportunities associated with Atmospheric Measurements
6: Challenges and Opportunities associated with Terrestrial Measurements
7: Water Quality
8: Applications
9: Integration and Interoperability Issues
10: Capacity Building
11: Water and Sustainable Development

Who will read and use the report?

Primary target audience: GEO members and participating organizations

• Decision-makers (plenary, principals and their staff)
• People who define/set agendas (Ministries responsible for water etc)
• People who finance/implement strategies (funding agencies)
• People who execute the strategy/performers (researchers, authorities etc)
• People who collect water data and make it available to the GEO

Secondary target audience: Users of water data

• People who use water data in their operations
• People who conduct research on water issues
• People who want to reference background information on water-related data
Thank you!

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