

## GEO WORK PROGRAMME SYMPOSIUM 2016

**2-4 May 2016, GEO Secretariat,  
7bis avenue de la Paix, Geneva, Switzerland**

### General Objectives

- Reflect on the GEO 2016-2025 SP, on its targets and on the implications on the activities that GEO should put in place;
- Ensure a common understanding of the new arrangements defined by the Strategic Plan (Programme Board, Monitoring and Evaluation, Implementation Mechanisms, role of the Secretariat);
- Ensure a common understanding of what are the links among different processes (GEOSS development and operations, users' needs, knowledge base development, SBAs etc...) and how the Community should plan its involvement;
- Strengthen the participation of the users to the GEO activities;
- Review the approach for GEOSS development (requirements, functional performances, architecture) and provide clear inputs for its further implementation;
- Discuss the content of the GEO Work Programme 2017-2019 and provide clear inputs (technical and programmatic) for its development;
- Strengthen the involvement of current stakeholders and involve new ones identified in the GEO 2016-2025 SP;
- Provide the opportunity to consolidate GEO activities at Global and/or Regional level and explore opportunities for new ones;
- Explore opportunities with the private sector;
- Foster regional (caucus) interactions and discuss the opportunities linked to strengthen GEO action at the regional level.

### Agenda at a glance

Day	2 May	3 May	4 May
<b>AM 1</b> 9.00-10.30	1. Introduction 2. The Strategic Plan 2016-25	7. Engaging the Community 8. EO Socio-Economic Benefits	12. Capacity Building coordination
<b>AM 2</b> 11.00-12.30	3. The GEO Work Programme 4. GEO Foundational Tasks	9. GEO and the 2030 Sustainable Development Agenda 10. GEO User needs process and Knowledge Base Development	13. SBA Breakout Groups Reports
<b>PM 1</b> 13.30-15.30	4. GEO Foundational Tasks 5. Reporting, Monitoring & Evaluation	11. SBA Breakout Groups	14. Work Programme 2017-19 discussion and consolidation
<b>PM 2</b> 16.00-18.00	6. GEOSS requirements, functions, architecture	11. SBA Breakout Groups	14. Work Programme 2017-19 discussion and consolidation 15. Conclusions

\* **AM2 Session on May 3rd will end at 13:00**

**Monday 2 May****08:00 - 09:00** *Registration***09:00 – 09:15** **1. INTRODUCTION**

*Welcome and Opening Remarks – Barbara Ryan (GEO Secretariat)*  
*Symposium Objectives and Agenda – Giovanni Rum (GEO Secretariat)*

**09.15 – 10.30** **2. THE GEO STRATEGIC PLAN 2016-2025: IMPLEMENTING GEOSS**

*Chairperson: Barbara Ryan, GEO Secretariat Director*  
*Rapporteur: Douglas Cripe, GEO Secretariat*

**Presentations**

- *Introduction, by the Chair*
- *The Strategic Plan 2016-25 part A and part B, Douglas Cripe, GEO Secretariat*
- *GEO Implementation Mechanisms, Giovanni Rum, GEO Secretariat*
- *Programme Board Terms of Reference, status of the work and way forward, Tim Haigh, EEA, Programme Board Co-chair*

**Q & A Session****10:30 – 11:00** *Coffee Break***11:00 – 12:00** **3. THE GEO WORK PROGRAMME**

*Chairperson: Tim Haigh, EEA, Programme Board Co-chair*  
*Rapporteur: Giovanni Rum, GEO Secretariat*

**Presentations**

- *GEO 2016 Work Programme Overview, Giovanni Rum, GEO Secretariat*
- *GEO 2017-19 Work Programme Introduction and development timeline, John Matuszak, USA, Programme Board Co-chair*
- *GEO Branding guidelines, Katy Anderson, GEO Secretariat*

**Q & A Session****12.00 – 12.30** **4. GEO FOUNDATIONAL TASKS**

*Chairperson: John Matuszak, USA, Programme Board Co-chair*  
*Rapporteur: Douglas Cripe, GEO Secretariat*

**Presentations**

- *The Foundational Tasks in the 2016 Work Programme: concept and lessons learned, Giovanni Rum, GEO Secretariat*

**Q & A Session**

**12:30 – 14:00**    *Lunch Break*

**14:00 – 14:45**    **4. GEO FOUNDATIONAL TASKS (con't)**

*Presentations*

- *The Foundational Tasks: criteria for the PB assessment, Francisco Chavez, POGO, Programme Board member*

*Q & A Session*

*Summary by the Chair*

**14:45 – 15:30**    **5. REPORTING, MONITORING AND EVALUATION**

*Chairperson: Giovanni Rum, GEO Secretariat*

*Rapporteur: Chao Xing, GEO Secretariat*

*Presentations*

- *Reporting requirements and GEO Performance Indicators, Chair*

*Q & A Session*

*Summary by the Chair*

**15:30 – 16:00**    *Coffee Break*

**16:00 – 18:00**    **6. GEOSS REQUIREMENTS, FUNCTIONS ARCHITECTURE**

*Chairpersons: Massimo Craglia, JRC, European Commission*

*Ivan DeLoatch, USGS, USA*

*Rapporteurs: Osamu Ochiai, GEO Secretariat*

*Wenbo Chu, GEO Secretariat*

*Paola De Salvo, GEO Secretariat*

*Presentations*

- *GEOSS Current and evolutionary architecture, Ivan DeLoatch, Max Craglia*
- *Rich Frazier*
- *Role of Community Portals in the architecture evolution, Ken McDonald*
- *Data Sharing and Management, Bob Chen and Mustapha Mokrane*
- *Observation Systems Osamu Ochiai*
- *GCI Users requirement overview Paola De Salvo*
- *GEOSS Portal User Interface, Guido Colangeli*

*Panel: Closing observational gaps and improving access to GEOSS resources.*

*Panel composition: Bob Chen, Lars-Peter Riishojgaard (to be confirmed), Jonathan Ross, Stefano Nativi, Joerg Freyhof, Emily Smail*

- *Introduction from panelists and interventions from the floor*

**18:00**    *Adjourn*

**Tuesday 3 May****09:00 – 09:45 7. ENGAGING THE COMMUNITY**

**Chairperson:** Robert Samors, GEO Secretariat

**Rapporteurs:** Andiswa Mlisa, GEO Secretariat  
Wenbo Chu, GEO Secretariat

**Panel:** Xingfa Gu, China, Angelica Gutierrez-Magness, AmeriGEOSS, Deon Terblanche, WMO, Monica Miguel-Lago, EARSC

- Introduction from panelists and interventions from the floor

**09:45 – 10:30 8. SOCIO-ECONOMIC BENEFITS FROM THE USE OF EARTH OBSERVATIONS**

**Chairperson:** Richard Bernknopf, University of New Mexico

**Rapporteur:** Giovanni Rum, GEO Secretariat

**Presentations**

- Socio economic benefits from EO use: Methodology and Examples, Chair

**Q & A Session**

**10:30 – 11:00 Coffee Break****11:00 – 12:00 9. GEO AND THE 2030 SUSTAINABLE DEVELOPMENT AGENDA**

**Chairperson:** Lawrence Friedl, Nasa, USA

**Rapporteur:** Robert Samors, GEO Secretariat

**Presentations**

- SDGs, examples, related GEO Initiative (GI-18) and Plan, Chair

**Q & A Session**

**Gathering inputs on focus areas for 2016 and contributions to GI-18**

**12:00 – 12:50 10. UNDERSTANDING THE GEO USER NEEDS PROCESS AND DEVELOPING A KNOWLEDGE BASE**

**Chairperson:** Yana Gevorgyan, NOAA, USA

**Rapporteur:** Giovanni Rum, GEO Secretariat

**Introduction by the Chair**

**Panel:** Michael Rast, ESA, Lawrence Friedl, NASA, USA, Hans-Peter Plag, IEEE, Stefano Nativi, CNR, Italy

- Introduction from panelists and interventions from the floor

*Summary by the Chair*

**12:50 – 13:00** *Breakout Groups and their Charter*

*Eight sessions will run in parallel, one for each GEO Societal Benefit Area:*

*General objectives (they may vary for each Breakout Session):*

- 1. Identify the key objectives for each SBA in the medium and long term (addressing involvement of specific communities/Institutions, user needs/policies to address, development of new methodologies /applications, cross-cutting role of Climate/Weather , .....). This initial set of objectives should develop into a consolidated SBA's scenarios and roadmaps that will serve as a reference for GEO Members and PO's to plan and implement future actions.*
- 2. Provide recommendations on activities to be included in the 2017-2019 GEO Work Programme, as a result of the discussion on activities currently included in the 2016 Work Programme + new ideas.*
- 3. Provide initial recommendations on the data, information and knowledge that should be made accessible through the GEO Portal*
- 4. Discuss and provide initial recommendations on how to structure dedicated SBA community (ies) as a permanent consultation forum and major actor for the implementation of the SBA User needs process and the GEO knowledge base development, described in the foundational tasks GD-08 and GD-09 respectively.*

*The sessions will include, as necessary, presentations of GEO Community Activities, Initiatives and Flagships; for initiatives and flagships, their consistency with the criteria defined in the Strategic Plan Reference Document should be highlighted, with a focus on user involvement, planning and deliverables, allocated resources.*

**13:00 – 14:00** *Lunch*

**14:00 – 15.30** **11. SBAs Breakout Sessions**

- *Biodiversity and Ecosystem Sustainability.*
- *Disaster Resilience.*
- *Energy and Mineral Resources Management.*
- *Food Security and Sustainable Agriculture.*
- *Public Health Surveillance.*
- *Sustainable Urban Development.*
- *Water Resources Management.*

**15:30 – 16:00** *Coffee Break*

**16:00 – 18.00** **11. SBAs Breakout Sessions**

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- *Sustainable Urban Development.*
- *Water Resources Management.*

**18:00** *Adjourn*

## Tuesday 3 May

### **09:00 – 10:30 12. CAPACITY BUILDING COORDINATION**

*Chairperson: Mark Noort, HCP International*

*Rapporteur: Andiswa Mlisa, GEO Secretariat*

**Presentations**

- *Capacity building coordination – resources and baseline study, Chair*
- *Obtaining user requirements, Rohini Swaminathan, UNITAR*
- *Water cycle capacity building, Angelica Gutierrez-Magness, NOAA, USA*
- *GFOI Capacity Building, Douglas Muchoney, USGS, USA*

**Discussion on user requirements for Capacity Building**

**Presentations**

- *Young scientists, Simon Hodson, CODATA*
- *Making geospatial science accessible to the youth, Maria Brovelli, Politecnico di Milano, Italy*

**Discussion on engaging youth in GEO**

**10:30 – 11:00** *Coffee Break*

### **11:00 – 12:30 13. SBAs BREAKOUT SESSIONS REPORTS**

1. *Biodiversity and Ecosystem Sustainability.*
2. *Disaster Resilience.*
3. *Energy and Mineral Resources Management.*
4. *Food Security and Sustainable Agriculture.*
5. *Infrastructure and Transportation Management.*
6. *Public Health Surveillance.*
7. *Sustainable Urban Development.*
8. *Water Resources Management.*

**13:00 – 14:00** *Lunch*

### **14:00 – 15:30 14. WORK PROGRAMME 2016 – DISCUSSION AND CONSOLIDATION**

*Chairpersons: John Matuszak, USA, Tim Haigh EEA Programme Board Co-chairs*

*Rapporteur: Douglas Cripe, GEO Secretariat*

*The session will be a structured discussion, lead by the Co-Chairs and involving Chairs and Rapporteurs from previous Symposium sessions as well as the audience, having the following objectives:*

- ✓ *Summarize the main inputs to the GEO Work Programme 2017-19*
  - *Proposed Community Activities*

- *Candidate GEO Initiatives and GEO Flagships*
- *Criteria to consolidate the list of Foundational Tasks and their content*
- *Addressing Climate / Weather cross-cutting aspects*
- ✓ *Discuss the process for confirmation of the resources associated to Foundational Tasks, GEO Initiatives and GEO Flagships*
- ✓ *Consolidate the Work Programme 2017-19 development and approval timeline, here included the planned inputs from the proposing teams*

**15:30 – 16:00**    *Coffee Break*

**16:00 – 17:00**    **14. WORK PROGRAMME 2016 – DISCUSSION AND CONSOLIDATION (con't)**

*Chairperson: John Matuszak, USA, Tim Haig, EEA Programme Board Co-chairs*

*Rapporteur: Douglas Cripe, GEO Secretariat*

**17:00 – 17:30**    **15. CONCLUDING SESSION**

*Summary of Symposium outcomes, Giovanni Rum, GEO Secretariat*

*Final remarks, Barbara Ryan, GEO Secretariat Director*

**17:30**            *Adjourn*