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

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<td>7. Engaging the Community</td>
<td>12. Capacity Building</td>
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<td>2. The Strategic Plan 2016-25</td>
<td>8. EO Socio-Economic Benefits</td>
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<td>9. GEO and the 2030 Sustainable Development Agenda</td>
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<td>11.00-12.30</td>
<td>4. GEO Foundational Tasks</td>
<td>10. GEO User needs process and Knowledge Base Development</td>
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<td>PM 1</td>
<td>4. GEO Foundational Tasks</td>
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<td>13.30-15.30</td>
<td>5. Reporting, Monitoring &amp; Evaluation</td>
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<td>PM 2</td>
<td>6. GEOSS requirements, functions, architecture</td>
<td>11. SBA Breakout Groups</td>
<td>14. Work Programme 2017-19 discussion and consolidation</td>
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<td>15. Conclusions</td>
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* 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 evolutionsal 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

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<td>09:00 – 09:45</td>
<td><strong>7. ENGAGING THE COMMUNITY</strong></td>
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<td>Chairperson</td>
<td>Robert Samors, GEO Secretariat</td>
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<td>Rapporteurs</td>
<td>Andiswa Mlisa, GEO Secretariat, Wenbo Chu, GEO Secretariat</td>
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<td>Panel</td>
<td>Xingfa Gu, China, Angelica Gutierrez-Magness, AmeriGEOSS, Deon Terblanche, WMO, Monica Miguel-Lago, EARSC</td>
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<td></td>
<td>• Introduction from panelists and interventions from the floor</td>
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<td>09:45 – 10:30</td>
<td><strong>8. SOCIO-ECONOMIC BENEFITS FROM THE USE OF EARTH OBSERVATIONS</strong></td>
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<td>Chairperson</td>
<td>Richard Bernknopf, University of New Mexico</td>
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<tr>
<td>Rapporteur</td>
<td>Giovanni Rum, GEO Secretariat</td>
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<tr>
<td>Presentations</td>
<td>• Socio economic benefits from EO use: Methodology and Examples, Chair</td>
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<td></td>
<td>Q &amp; A Session</td>
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<td>10:30 – 11:00</td>
<td><strong>Coffee Break</strong></td>
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<td>11:00 – 12:00</td>
<td><strong>9. GEO AND THE 2030 SUSTAINABLE DEVELOPMENT AGENDA</strong></td>
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<tr>
<td>Chairperson</td>
<td>Lawrence Friedl, NASA, USA</td>
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<td>Rapporteur</td>
<td>Robert Samors, GEO Secretariat</td>
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<td>Presentations</td>
<td>• SDGs, examples, related GEO Initiative (GI-18) and Plan, Chair</td>
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<td>Q &amp; A Session</td>
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<td></td>
<td>Gathering inputs on focus areas for 2016 and contributions to GI-18</td>
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<td>12:00 – 12:50</td>
<td><strong>10. UNDERSTANDING THE GEO USER NEEDS PROCESS AND DEVELOPING A KNOWLEDGE BASE</strong></td>
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<td>Chairperson</td>
<td>Yana Gevorgyan, NOAA, USA</td>
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<td>Rapporteur</td>
<td>Giovanni Rum, GEO Secretariat</td>
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<td>Introduction by the Chair</td>
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<td>Panel</td>
<td>Michael Rast, ESA, Lawrence Friedl, NASA, USA, Hans-Peter Plag, IEEE, Stefano Nativi, CNR, Italy</td>
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<td>• Introduction from panelists and interventions from the floor</td>
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**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.
- 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**

- Biodiversity and Ecosystem Sustainability.
- Disaster Resilience.
- Infrastructure and Transportation Management.
- Sustainable Urban Development.
- Water Resources Management.
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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.  
4. Food Security and Sustainable Agriculture.  
5. Infrastructure and Transportation Management.  
7. Sustainable Urban Development.  

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