

Riunione GEO Italy

Sala Conferenze

ISPRA - via Vitaliano Brancati 48 – ROMA

31 Maggio 2017 – ISPRA

Nicola Pirrone, CNR

Andrea Monti-Guarnieri, UniMi



Riunione GEO Italy

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Sala Conferenze

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Ore: 10.00 – 17.00

Agenda

- Benvenuto
- Presentazione dei partecipanti
- Aggiornamenti su GEO WP (2017-2019), HLWG, ExCom e overview della partecipazione Italiana
N. Pirrone, GEO Principal of Italy & CNR
A. Monti-Guarnieri, GEO Alternate of Italy & Politecnico Milano
- Obiettivi del GEO PB per il triennio in corso e scadenze prossime
Nativi (CNR, GEO-PB) e Salvi (INGV, GEO-PB)
- Analisi del GEO WP (2017-2019) con riferimento agli SDGs e potenziale input al MATTM e ad altri Enti italiani in relazione alla UN 2030 Agenda on SD
E. Brugnoli (CNR, GEO-PB), M. Munafò (ISPRA e GEO-PB)
- GEO Italy e sua Governance: Definizione dei referenti italiani per ogni SBA e attività orizzontali
N. Pirrone + contributi di tutti i partecipanti
- Organizzazione conferenza nazionale di concerto con il MATTM
Giovanni Brunelli, (Dirigente MATTM)
- Varie ed eventuali

GEO WP (2017-2019)

FOUR IMPLEMENTATION MECHANISMS

Develops concepts and
applications
Community Building

Demonstrates pilot or
prototype services.
Members / PO coord.

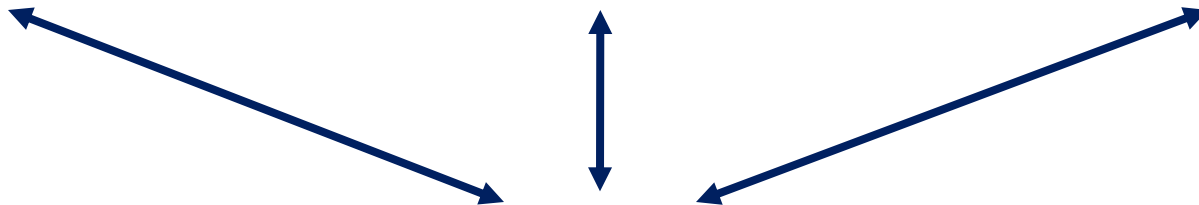
Develops pre-
operational services.
Members / PO operate

**GEO
Community
Activities**

**GEO
Initiatives**

**GEO
Flagships**

GEO Foundational Tasks



38th GEO European High Level Working Group Meeting

1 March 2017

10.00 – 17.00

Albert Borschette Conference Centre – room AB-4A

Rue Froissart, 36

B-1040 Brussels

Draft Agenda

1. Opening session

- Welcome and update by the chair
- Adoption of the draft agenda
- Adoption of the Summary Report of the 37th HLWG Meeting

2. Follow-up to GEO Plenary XIII

a. Implementing the GEO Strategic Plan 2016-2025

- Report from the first meeting of the GEO Programme Board

b. The GEO Engagement Strategy

- The proposed Engagement Strategy Implementation Plan, (*ExCom Document 09*)

- Next steps regarding GEO's Engagement with the commercial sector on a global and European level (*ExCom Document 08*)

3. Furthering the vision of GEO in Europe

- Consideration of the establishment of a 'Europe GEOSS'
- Copernicus and GEO, including an update on the EU Space Strategy (DG GROW)
- H2020 (future calls relevant to Copernicus data)
- Report from ERAPLANET (ERANET)

4. The GEO Trust Fund

- Interim Report on Income and Expenditure (*ExCom Document 10*)

- 2017 Income and Expenditure Forecast and Implementation of the Staffing Plan (*ExCom Document 11*)

5. Any Other Business

- Preparations for GEO XIV

- GEO European Projects' Workshop 2017

Proposals are invited against the following topic(s):

SC5-15-2018: Strengthening the benefits for Europe of the Global Earth Observation System of Systems (GEOSS) - establishing 'EuroGEOSS'

Specific Challenge: In order to accelerate the uptake of open Earth observation (EO) data and information for the benefit of Europe, there is a need to develop a coordinated and

building on Copernicus services and GEOSS initiatives and flagships.

Scope: This action shall be an application oriented initiative aimed at showcasing and promoting existing European 'GEOSS' actions and scaling them up to deliver services relying on existing strengths in Europe. Focus shall be on an coordinated approach to promote collaboration amongst the GEO members and participating organisations within the European region. Based on the core use of a variety of data available within GEOSS, it shall scale-up and develop a comprehensive suite of products, services or solutions delivering economic, social and policy value to European citizens, making use of state-of-the-art data integration

Expected Impact: The project results are expected to contribute to:

- delivering economic, social and policy value to European citizens through a comprehensive and coordinated suite of services
- a strengthened Earth observation capacity focused on the European region;
- the strengthening and promotion of links between GEOSS and Copernicus, showcasing mutual benefits. This also includes European national contributions to and benefits from GEOSS;
- the coordinated downstream data exploitation of European EO datasets available through the GEOSS (such as Copernicus data sets, data sets from the different European research infrastructures and citizen science initiatives).
- coherent data management, through the use of GEOSS Data Management Principles and best practices (INSPIRE-compliant);
- significant advances in Earth System Science modelling and downstream product development.

Type of Action: Research and Innovation action

THE GLOBAL GOALS

For Sustainable Development



European GEO Workshop
"EuroGEOSS: Shaping the European contribution to GEOSS"
19 - 21 June 2017, Helsinki

Monday 19 June 2017

13:00 - 13:30		Registration & Welcome Coffee	
13:30 - 15:30		PLENARY SESSION	
13:30 - 14:15		Welcome session Opening by Prof Juhani Damski Director General Finnish Meteorological Institute Welcome and setting the scene of EUROGEOSS by Gilles Ollier DG-RTD Welcome by Franz Immler EASME	
14:15 - 15:30		Challenges & Opportunities for EuroGEOSS Prof Jouni Pulliainen (FMI) Arctic research and Space Mikko Strahlendorff GEO and Finland Andreas Viespak (tbc) Copernicus European Open Science Cloud (DG Connct)) Workshop objectives DG-RTD Amanda REGAN	
15:30 - 16:00		Coffee Break	
BREAK -OUT SESSIONS			
16:00 - 17:45	Break-out session 1 GEO priorities: 2030 Agenda for Sustainable Development/Climate Change- Green House Gas Monitoring/Disaster Resilience	Break-out session 2 Citizens' observatories and filling data gaps: What are the secrets to engaging citizens? Uta Wehn (UNESCO-IHE, Ground Truth 2.0), Drew Hement* (University of Dundee, GROW), Amy Hume (Carr Communications, SCENT)	Break-out session 3 How Ecosystem and Biodiversity data and knowledge can support the GEO objectives Christoph Häuser, (Museum für Naturkunde Berlin)
Reception			
19:00 - 20:30		Ministry of Transport and Communication Eteläesplanadi 16, 00101 Helsinki (registration necessary)	

Tuesday 20 June 2017

8:30 - 9:00

Registration & Welcome Coffee

BREAK -OUT SESSIONS

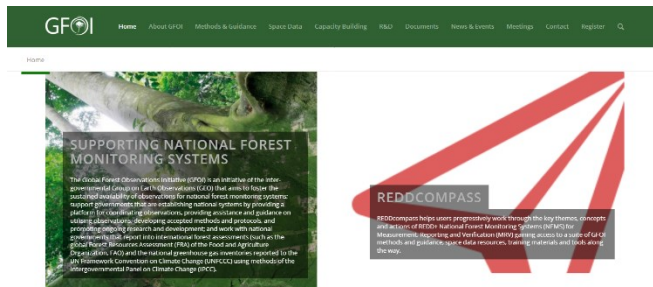
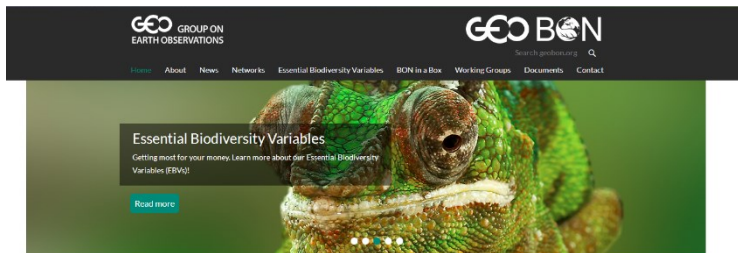
9:00 - 10:45	Break-out session 4 Showcasing the mutual benefits of Copernicus and GEO together with identifying future opportunities DG-GROW - DG-RTD	Break-out session 5 Harmonization of Ocean Observations and Information Michael Ott, Anja Reitz, Jan-Bart Calewaert	Break-out session 6 Making sensors in 2017 AD Nick van de Giesen, TUDelft,	Break-out session 7 Using Global water resources data to derive actionable information at the local scale Maggie Kossida, (SEVEN Solutions), Mark Mulligan, (Ambiotek/Kings College), Ben Calton (PML Ltd), Jaap Schellekens Frederiek Sperna Weiland, (Deltares)
10:45 - 11:15	Break-out session 8 ERA-PLANET: EO synergies in support of informed decision making Tuukka Petäjä, University of Helsinki, Finland and ERAPLANET consortium	Break-out session 5 cont.	Break-out session 9 Citizen Observatories and Harmonisation of Citizen-Generated Data: Best practices and challenges Athanasia Tsertou (ICCS, Scent) – Joan Masó (CREAF, GT2.0)	Break-out session 10 Earth Observation of Wetlands: European Projects and the new GEO-Wetlands Initiative Kathrin Weise, Jonas Eberle, Adrian Strauch (SWOS Project)
13:00 - 14:00	Lunch Break			
14:00-14:30	Poster Session			
14:30 - 16:15	Break-out session 11 Connecting Users to Data: Community portals as exploration platforms providing tools, services, and derived products Gary Geller and Douglas Cripe, (GEO Secretariat)	Break-out session 12 Supporting International frameworks with free and open data and tools Thomas Kemper, European Commission, JRC	Break-out session 13 Sustainability of Arctic observing systems Stein Sandven (NERSC)	
16:15 - 16:45	Coffee Break (Poster Session)			
16:45 - 18:30	Break-out session 14 Industry contribution to SDG's EARSC	Break-out session 15 How can remote sensing feed into climate services Adriaan Perrels (FMI)	Break-out session 16 Acceptance, quality and integration of citizen-science data for evidence-driven environmental governance Steffen Fritz (IIASA), Ian McCallum (IIASA)	



Wednesday 21 June 2016

8:30 - 9:00		Registration & Welcome Coffee		
9:00 - 10:45	Break-out session 17 GEO capacity development, contribution to SDGs and realization of regional impacts derived from GEO European Projects (1/2) Haris Kontoes (GEO-CRADLE Coordinator) & Andiswa Mlisa (GEO Secretariat).	Break-out session 18 User Feedback: Provide and enhance user feedback for Data Providers and Users. Bart De Lathouwer (OGCE) NextGEOSS project	Break-out session 19 Coordinated, comprehensive in situ data component of atmospheric and ecosystem measurements for complementing the space borne Earth Observation Hanna K. Lappalainen, (Univ.Helsinki, Helsinki)	
10:45 - 11:15		Coffee Break		
11:15 - 13:00	Break-out session 17 cont. Group work & panel discussion	Break-out session 20 DataHub (CKAN): NextGEOSS makes life easier for GEO Communities of Practice - speed up portal integration! Bart De Lathouwer (OGCE) NextGEOSS project	Break-out session 21 Global change impacts in mountain regions Antonello Provenzale, (CNR IGG)	
13:00 - 14:00		Lunch Break		
14:00 - 14:30		Overview of Day 1 and Day 2 with a focus on each session's reaction to the EuroGEOSS concept Amanda Regan (DG-RTD)		
14:30 - 15:50		Panel Discussion 1. Designing EuroGEOSS 2. EuroGEOSS and Copernicus DIAS 3. Interfacing with other GEOSS elements 4. The added value of EuroGEOSS		
15:50 - 16:00		Closing remarks (RTD (Gilles Ollier) – FMI (Mikko Strahlendorf) –EASME (Franz Immler)		
16:00		Adjourn		

- Geo Biodiversity Observation Network (GEO BON)
- GEO Global Agricultural Monitoring (GEOGLAM)
- Global Forest Observation Initiative (GFOI)
- Global Observation System for Mercury (GOS⁴M)





(in red with Italian leadership/ contribution)

AfriGEOSS: Reinforcing Regional African Engagement

AmeriGEOSS

Asia-Oceania GEOSS (AOGEOSS)

Climate Change Impact Observation On Africa's Coastal Zones (GEO-CCIOoACZ)

Data Access for Risk Management (GEO-DARMA)

Earth Observations for Ecosystem Accounting (EO4EA)

Earth Observations in Service of the 2030 Agenda for Sustainable Development

GEO Carbon and GHG Initiative

GEO Cold Regions Initiative (GEOCRI)

GEO Geohazard Supersites and Natural Laboratories (GSNL)

GEO Global Ecosystem Initiative (GEO ECO)

GEO Global Network for Observation and Information in Mountain Environments (GEO-GNOME)

GEO Global Water Sustainability (GEOGLOWS)

GEO Human Planet Initiative: Spatial Modeling of Impact, Exposure and Access to Resources

GEOSS-EVOLVE

GEO Vision for Energy (GEO-VENER)

GEO Wetlands Initiative

Global Drought Information System (GDIS)

Global Observation System for Persistent Organic Pollutants (GOS⁴POPS)

Global Urban Observation and Information

Global Wildfire Information System (GWIS)

Oceans and Society: Blue Planet



- ✓ Access to climate data in GEOSS
- ✓ Advancing Communication Networks
- ✓ African Geochemical Baselines
- ✓ Airnow International: Expanding Networks and Integrating Methods for Air Quality and Health Data
- ✓ AquaWatch
- ✓ Chinese Tsunami Mitigation System
- ✓ ...
- ✓ + 27 Activities



GEOSS Development and GCI Operations

- Advancing GEOSS Data Sharing Principles
- GEOSS Common Infrastructure (GCI) Operations
- GEOSS In-Situ Earth Observation Resources
- GEOSS Satellite Earth Observation Resources
- GEONETCast Development and Operations
- User Needs and Gap Analysis

Community Development

- Capacity Building Coordination

Secretariat Operations










- Management and Support
- Communication and Engagement
- Monitoring and Evaluation



- Approved by the GEO-XII Plenary
- Endorsed by the GEO Mexico City Ministerial Declaration in November 2015.
- Structured in two parts:
 - Part A outlines the Strategy, affirming the Vision and Mission of GEO, highlighting the value of GEO's unique capabilities, and widening the engagement with developing countries.
 - Part B, the Implementation Plan, outlines how GEO will implement its Vision and Mission over the next decade

Italian contribution (I)



	Biodiversity and Ecosystem Sustainability 	Disaster Resilience 	Energy and Mineral Resources Management 	Food Security and Sustainable Agriculture 	Infrastructure and Transportation Management 	Public Health Surveillance 	Sustainable Urban Development 	Water resources management 	Data and interoperab. Science	Cross-cutting SBAs 
Andrea Lami NR-ISE	X							X		
Luigi Paolo D'Acqui NR-ISE	X			X						
Cristiana Bassani NR-IA	X						X			
Antonello Provenzale NR-IGG	X									
Palma Blonda NR-IA	X						X			
Elisa Palazzi NR-ISAC	X							X		
Rito Vitale NR-ISAC	X							X		
Raffaella Brumana PolitecnicoMI	X						X			
Alessandro Bondini NR-IRPI		X								
Andrea Billi NR-IGAG		X								

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- Costituzione referenti nazionali SBA
- Costituzione dello Steering Committee
 - ✓ rappresentanza degli EPR + referenti SBAs + MATTM + MIUR
 - ✓ Referenti SBAs vs. GEO PB members
- Conferenza nazionale