

Special Session 1:

The Role of Earth Observations in Relation to Global Challenges Such as SDGs

Panelists:

- GEO Water: Toshio Koike
- GEO-BON: Laetitia Navarro
- GEO Carbon & GHG: Antonio Bombelli
- Blue Planet: Andy Steven
- GEOGLAM: Thuy Letoan
- Implementation of 2030 Agenda: Chu Ishida

Moderator: Osamu Ochiai (GEO Secretariat)

Session structure

1. Session Introduction – Osamu Ochiai (5min)
1. Introduction of each Flagship and Initiative – 6 Panelists (30min)
2. Questions to Panelists (30min)
3. Questions from audience (10min)

GEO Engagement Priorities 2017-2019

Five priorities:

- 2030 Agenda for Sustainable Development
- Climate Change – Greenhouse Gas Monitoring
- Disaster Risk Reduction
- Resilient cities and human settlements
- Ecosystem accounting

Criteria:

- **Political relevance** building on well-established, recent or upcoming international agreements
- **Strong and active communities and activities in GEO**
- **Potential to secure resources**



SDGs 2016 Rapid Assessment results

- All 22 Initiatives contribute to SDGs (specific targets), for example



INITIATIVES

EARTH OBSERVATIONS FOR ECOSYSTEM ACCOUNTING (EO4EA)		2.4	3.9			6.5, 6.6				11.b	12.2		14.2	15.1-5, 15.9	16.6, 16.10	
EARTH OBSERVATIONS IN SERVICE OF THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT																
GEO CARBON AND GREENHOUSE GAS INITIATIVE																
GEO COLD REGIONS INITIATIVE (GEO CRI)	1.5	2.1-4	3.2, 3.3, 3.9	4.a		6.1-6	7.1-3, 7.a, 7.b		9.5, 9.a	11.1-7, 11.a-c	12.2, 12.4	13.1, 13.2, 13.b	14.1-5, 7	15.1-5, 15.9		17.18, 17.19
GEOHAZARD SUPERSITES AND NATURAL LABORATORIES (GSNL)	1.5.1, 1.5.2									11.5.1, 11.5.2						
GEO GLOBAL ECOSYSTEM INITIATIVE (GEO ECO)																
GEO GLOBAL NETWORK FOR OBSERVATION AND INFORMATION IN MOUNTAIN ENVIRONMENTS (GEO-GNOME)																
GEO GLOBAL WATER SECURITY (GEOGLOWS)																
GEO HUMAN PLANET INITIATIVE: SPATIAL MODELING OF IMPACT, EXPOSURE AND ACCESS TO RESOURCES																
GEO VISION FOR ENERGY (GEO VENER)								7.2								
GEO WETLANDS INITIATIVE							6.6.1								15.1.2	
GLOBAL DROUGHT INFORMATION SYSTEM GLOBAL INITIATIVE (GDIS)							6.4.1, 6.4.2									
GLOBAL OBSERVATION SYSTEM FOR PERSISTENT ORGANIC POLLUTANTS (GOS4POPS)																
GLOBAL URBAN OBSERVATION AND INFORMATION										11.3, 11.4, 11.a, 11.b						
GLOBAL WILDFIRE INFORMATION SYSTEM (GWIS)																
OCEANS AND SOCIETY: BLUE PLANET													14.1-5, 7, a, c			

SDGs 2016 Rapid Assessment results

- 4 out of 4 **Flagships** contribute to SDGs

	1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION	7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	
FLAGSHIPS																		
GEO BIODIVERSITY OBSERVATION NETWORK (GEO BON)		2.4, 2.5	3.d			6.3, 6.6					11.3			14.4, 14.5	15.1-5, 7, 8, c			
GEO GLOBAL AGRICULTURAL MONITORING (GEOGLAM)		2.1, 2.3, 2.4, 2.a, 2.c																
GLOBAL FOREST OBSERVATION INITIATIVE (GFOI)													13.2, 13.3		15.1, 15.2, 15.b		17.14	
GLOBAL OBSERVATION SYSTEM FOR MERCURY (GOS4M)								9.4, 9.5, 9.a				12.2, 12.4, 12.8, 12.a		14.1, 14.2				17.6-7, 17.9, 17.14, 17.17