MONDAY 19 June 2017		
16.00 - 17.45		
Session 1 : GEO priorities: 2030 Agenda for Sustainable Development/ Climate Change – Green House Gas Monitoring/ Disaster Resilience - AURA ROOM		
Time	**Title of the presentation**	**Speakers**
16:00	GEO Priorities	Douglas Cripe, GEO Secretariat
16:15	GHG-CCI project of ESA's Climate Change Initiative: Overview, Achievements, Future	Michael Buchwitz, University of Bremen
16:30	Overview of C3S and CAMS services and how these services contribute to the GEO priorities	Jean Noel Thepaut ECMWF
16:45	The GEO Geohazard Supersites network: Providing National DRM services based on an Open Science approach	Stefano Salvi, Istituto Nazionale di Geofisica e Vulcanologia
17:00	Germany national activities and GEO priorities	Helmut Staudenrausch, DLR
17:15	GEO priorities and ESA activities	Jerome Bequignon, ESA
17:30	Questions	

Session 2 : Citizens' observatories and filling data gaps: What are the secrets to engaging citizens? AQUA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
16:00	Introduction to topic	Uta Wehn Drew Hemment	GROUND TRUTH 2.0 GROW OBSERVATORY
16:10	World Cafe process and tables	Uta Wehn Drew Hemment	GROUND TRUTH 2.0 GROW OBSERVATORY
16:15	World Café Round 1 Table 1: How citizen contributions can cover your data gaps (GROW Observatory) Table 2: Demonstrating data and understanding audiences (GROW Observatory) Table 3: Incentives and barriers for citizen engagement - levels and phases (Ground Truth) Table 4: Engaging citizens through social media – successes and challenges (SCENT)		
16:50	World Café Round 2 Table 1: How citizen contributions can cover your data gaps (GROW Observatory) Table 2: Demonstrating data and understanding audiences (GROW Observatory) Table 3: Incentives and barriers for citizen engagement - levels and phases (Ground Truth) Table 4: Engaging citizens through social media – successes and challenges (SCENT)		
17:25	Summaries and wrapping up		

Session 3 : How Ecosystem and Biodiversity data and knowledge can support the GEO objectives - TERRA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
16:00	Aim and outline of the session	Florian Wetzel , MfN	
16:05	EU BON: an integrated biodiversity information system for Europe - vision and outcomes	Christoph Häuser MfN	EU BON
16:15	From data to outputs: EU BON's innovative approaches for biodiversity data	Urmas Köljalg	EU BON
16:30	Geosphere-biosphere interactions and ecosystem changes from space: the ECOPOTENTIAL view	Antonello Provenzale CNR	ECOPOTENTIAL
16:40	GEO Participating Organization ILTER as an in-situ observation and research component contributing to GEO	Michael Mirtl	LTER-Europe, ILTER
16:55	GLOBIS-B: Towards measuring Essential Biodiversity Variables and producing data products at global scale	Jacco Konijn	GLOBIS-B
17:10	EKLIPSE: encouraging science-policy-society communication through knowledge synthesis and knowledge exchange on European scale	Riikka Paloniemi	EKLIPSE
17:25	ENEON: cross thematic in-situ network after ConnectinGEO project. The in-situ node for EuroGEOSS	Joan Masó CREAF	ENEON
17:30	Discussion		

TUESDAY 20 June 2017		
9.00 - 10.45		
Session 4 : Showcasing the mutual benefits of Copernicus and GEO together with identifying new opportunities – BRAINSTORM AUDITORIUM		
Time	**Title of the presentation**	**Speakers**
09:00	Overview of Copernicus	**Martina Sindelar, EC-DG GROW**
09:25	Overview of Copernicus Marine Services	Cecile Thomas-Courcoux
09:50	EEA Activities relating to Copernicus Land Service including in-situ component	Jose Miguel Rubio, EEA
10:15	Discussion	All

Session 5 : Using Global water resources data to derive actionable information at the local scale AURA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
9.00	Introduction to eartH2Observe	Frederiek Sperna Weiland – Deltares	eartH2Observe
9.15	Introduction to and demonstration of the eartH2Observe WCI Portal	Ben Calton PML	eartH2Observe
9.35	Using the E2O data and infrastructure for drought analysis	Micha Werner IHE Delft	eartH2Observe
9.50	Local application of Waterworld and its relation to data available in the eartH2Observe portal	Sophia Burke AMBIOTEK	eartH2Observe
10.05	Group discussion: opportunities for future use of the eartH2Observe data. What is the link to EuroGEOSS?	lead by Maggie Kossida SEVEN	eartH2Observe
10.45	Wrap-up		eartH2Observe

Session 6 a : Harmonization of Ocean Observations and Information AQUA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
09:00	Introduction	Michael Ott IOC/UNESCO	
09:05	Feedback on UN Ocean Conference	Isabel Pinto CIIMAR	
09:15	Latest developments on the European Ocean Observation System (EOOS)	Eric Buch EUROGOOS	
09:30	INTAROS - Integrated Arctic Observing System	Stein Sandven NERC	INTAROS
09:45	ODYSSEA - Developing and Deploying Integrated Observatory Systems in the Mediterranean Sea	Georgios Sylaios University of Thrace	ODYSSEA
10:00	AtlantOS - Optimising and Enhancing the Integrated Atlantic Ocean Observing Systems	Isabel Pinto CIIMAR	AtlantOS
10:15	Round table discussions + conclusions to be transmitted for the Plenary	Michael Ott (IOC/UNESCO) & Doug Cripe (GEO Secretariat)	

Session 7: Making sensors in 2017 AD TERRA ROOM		
Time	**Title of the presentation**	**Speakers**
09:00	Presentation on the possibilities of designing and producing sensors	Nick van de Giesen, TU Delft Mark Noort
09:30	Brainstorm on wishes, ideas, possibilities of new sensors	Nick van de Giesen, TU Delft Mark Noort
10:10	Building simple, yet smart, rain sensors	Nick van de Giesen, TU Delft Mark Noort

11.15 - 13.00		
Session 8 : ERA-PLANET: EO synergies in support of informed decision making BRAINSTORM AUDITORIUM		
Time	**Title of the presentation**	**Speakers**
11:15	ERA-PLANET overarching goals: where we stand	Nicola Pirrone, CNR
11:25	Strand 1 - Smart cities and resilient societies with a focus on urban growth, air quality, natural and manmade disasters, health and contaminated sites	Evangelos Gerasopoulos, NOA
11:35	Strand 2 - Resource efficiency and environmental management with a focus on water, energy, biodiversity and food security	Nicholas Ray, UNIGE
11:45	Strand 3 - Global change and Environmental treaties with a focus on global observing systems for toxic and persistent pollutants and support to policy implementation	Nicola Pirrone, CNR
11:55	Strand 4 -Polar areas and natural resources with a focus on monitoring and assessment of ecosystems quality in Arctic and Antarctic	Tuukka Petäjä University of Helsinki
12:05	Horizontal activities on interoperability	Stefano Nativi, CNR
12:15	Horizontal activities on data science	Joan Masó, CREAF
12:25	Comprehensive EO and data streams	Jyri Heilimo, FMI
12:35	GEO Cold Regions Initiative (GEO CRI)	Yubao Qi (TBC)
12:45	Concluding remarks: ERA-PLANET coordinator	

Session 9: Citizen Observatories and Harmonisation of Citizen-Generated Data: Best practices and challenges AURA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
11:15	A consistent way to integrate Citizen Observatories in EuroGEOSS. Implementing Sensor Web Enablement for the Ground Truth 2.0 six demo cases	Joan Masó CREAF	GROUND TRUTH 2.0
11:30	SWE4CS: A Data Model to enhance reusability of Citizen Science observations	Bart De Lathouwer OGC	COBWEB
11:45	From OGS SOS to SensorThings API: The Scent journey to CS harmonisation	Athanasia Tsertou ICCS	SCENT
12:00	Harmonisation of Citizen-Generated Data: Lessons learned, best practices and challenges in LANDSENSE	Andreas Matheus Secure Dimensions	LandSense
12:15	Citizen science, biodiversity data and harmonization efforts on a European scale	Florian Wetzel MfN	EU BON

12:30	Panel discussion **Pillar I: Citizen-generated data & Compliance to standards** · Is your project generating data models using SWE4CS and O&M? · Are you going to adopt standards (e.g. OGC SOS) to connect the project to GEOSS. Which client tools you will use? · In a more general way, which of the following standards are your projects using? · How many colors does your geolabel have? http://www.geolabel.info/DMP_generation.htm **Pillar II: EuroGEOSS** · What are your expectations from EuroGEOSS? · How can your project/initiative contribute to EuroGEOSS? · How can we make Citizen Observatories an integral part of EuroGEOSS? **Pillar III: Citizen observatories collaboration and sustainability** · Do you think it is feasible to organize some interoperability experiment among the projects? · Do you foresee a data preservation effort after the project ends? · How can we contribute to the GEO CS initiative?

Session 6 b : Harmonization of Ocean Observations and Information AQUA ROOM		
Time	**Title of the presentation**	**Speakers**
11:00	Introduction	Michael Ott IOC/UNESCO
11:05	GEOSS / Blue Planet (focus on applications for users)	Doug Cripe GEO Secretariat
11:15	Copernicus / CMEMS	
11:25	EMODNET – focus on users	Belén Martin Miguez EMODNET – secretariat
11:35	NextGEOSS – links with CMES	Tarek Habib, CLS
11:45	SeaDataCloud/SeaDataNet	Serge Scory Royal Belgian Institute of Natural Sciences
11:55	Data Harmonization – key conclusions of an AtlantOS Workshop	Christoph Waldmann Marum
12:05	Round table discussions + conclusions to be transmitted for the Plenary	Michael Ott (IOC/UNESCO) & Isabel Pinto (CIIMAR)

14.00 - 15.45		
Session 10: Supporting international frameworks with free and open data and tools BRAINSTORM AUDITORIUM		
Time	**Title of the presentation**	**Speakers**
14:00	The GEO Human Planet Initiative and the Global Human Settlement Layer (GHSL)	Martino Pesaresi, European Commission, JRC
14:30	Developing a global, people-based definition of cities and settlements	Hugo Poelman, EC DG REGIO

14:50	Using free and open EO data to support the New Habitat Agenda	Richard Sliuzas, University of Twente Thomas Kemper, EC JRC	
15:10	The THEIA land data services centre and the use of GHSL tools for mapping and monitoring of artificial areas in France	Pierre Maurel, IRSTEA Christina Corban, European Commission, JRC	
15:30	Discussion on EuroGEOSS What do we expect? How can we contribute?		

Session 11: Sustainability of Arctic observing systems AURA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
14:00	Introduction to Arctic Observing System with reference to the INTAROS project	Stein Sandven, NERSC	INTAROS
14:15	FMI: Building observing systems to support Societal Benefit Areas for the Arctic	Mikko Strahlendorff, FMI	
14:30	EuroGOOS: Developing operational ocean observing systems for the high latitudes, example from EuroARGO	Erik Buch, EUROGOSS	
14.45	FMI: Automated observing sensors and platforms for Arctic sea ice	Bin Cheng, FMI	
15.00	Round table discussions		

Session 12: Earth Observation of Wetlands: European Projects and the new GEO-Wetlands Initiative AQUA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
14:00	Wetlands and Community Portals in GEO	Douglas Cripe GEO Secretariat	
14:15	GEO-Wetlands	Adrian Strauch University of Bonn	SWOS DeMo-Wetlands
14:30	The GEO-Wetlands Community Portal	Jonas Eberle University of Jena	SWOS
14:45	The Satellite-based Wetland Observation Service (SWOS) project	Kathrin Weise Christian Hürrich Jena-Optronik	SWOS
14:55	DeMo-Wetlands	Adrian Strauch University of Bonn	SWOS DeMo-Wetlands
15:05	Statements by participants		
15:15	Discussion / World Café: GEO-Wetlands Community Portal – Functionalities, Links, Users Cooperation in and with GEO-Wetlands – Working Groups, Data Exchange		

16.15 - 18.00			
Session 13: How can remote sensing feed into climate services BRAINSTORM AUDITORIUM			
Time	**Title of the presentation**	**Speakers**	**Project**
16:15	Generating useful information for climate service users - lessons from EU-MACS	Adriaan Perrels, FMI Athanasios Votsis	H2020 EU-MACS
16:30	Direct questions regarding presentation	audience	
16:40	Instructions for group work	Adriaan Perrels	
16:50	**Q1** - how remote sensing products could feed into climate services – acknowledging alternative value chains, depending on the kind of climate service user		
17:10	**Q2** - what kind of innovations in remote sensing products and technologies seem very helpful for climate services development (given findings of Q1)		
17:25	**Q3** - what should be realized in terms of product development, piloting, regulations, cooperation, and business (service) models in order to achieve realization of such satellite based climate services		
17:45	Summaries from working groups		

Session 14: Industry contribution to SDGs AURA ROOM		
Time	**Title of the presentation**	**Speakers**
16:15	What support do private sector need in the engagement with GEO and how can it be enabled?	Geoff Sawyer EARSC
16:30	How EuroGEOSS best shape the engagement of the private sector?	Gilles Ollier EC DG-RTD
16:45	What are the most effective ways to encourage industry in GEO?	Douglas Cripe, GEO secretariat
17:00	GEO-Cradle contribution to SDGs	Haris Kontoes NOA
17:15	Round table will cover issues as: How can industry and GEO work better together? What are the most effective ways to encourage industry contribution to GEOSS? How can businesses be encouraged to better understand and deliver services to support SDG´s? How can different institutional structures (National, EC and GEO) effectively support the engagement of the private sector? How can operational services be leveraged to create more sustainable services for custodian agencies?	Moderator: Lefteris Mamais GEO-Cradle project coordinator R ound table: Lionel Menard (Armines), Tarek Habib (CLS), Nuno Grosso (Deimos), Ana Sebastián-López (GMV), Erwin Goor (VITO)

Session 15: Acceptance, quality and integration of citizen-science data for evidence-driven environmental governance AQUA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
16:15	Welcome - Introduction	Steffen Fritz, IIASA Ian McCallum,IIASA	
16:20	General overview on acceptance, quality and integration of CS data	Martin Brocklehurst Kempley Green	LandSense
16:40	Acceptance, quality and integration of CS data from the WeSenseIt perspective	Uta Wehn UNESCO-IHE	WeSenseIt GROUND TRUTH
16:50	Addressing acceptance, quality and integration of citizen-science data in LANDSENSE	Steffen Fritz IIASA	LandSense
17:00	CS acceptance, quality and integration: lessons learnt from COBWEB and going forward in LANDSENSE	Andreas Matheus Secure Dimensions	COBWEB LandSense
17:10	Towards VGI QAQC for LULC and the planned LandSense-QAwAT system	Didier Leibovici	LandSense
17:20	Addressing acceptance, quality and integration of citizen-science data in GROUND TRUTH 2.0	Joan Masó CREAF	GROUND TRUTH 2.0
17:30	Addressing acceptance, quality and integration of citizen-science data in SCENT	Athanasia Tsertou ICCS	SCENT
17:40	Panel and Public Discussion		

WEDNESDAY 21 June 2017		
9.00 - 10.45		
Session 16: User feedback: Provide and enhance user feedback for Data Providers and Users BRAINSTORM AUDITORIUM		
Time	**Title of the presentation**	**Speakers**
09:00	Introduction	Bart De Lathouwer, OGCE
09:05	GEO/GEOSS Data Providers: User Feedback from Data provider point of view	Julia Wageman, ECMWF, TBC
09:20	European projects that interact with GEO/GEOSS, as Data Provider or Data/Information User: Inputs from previous projects	Joan Masó, CREAF
09:35	User perspective from AIP	Bart De Lathouwer, OGCE
09:50	GEOSS Users (Generic User with general interest in EO data or users from specific Communities): User Feedback from Data provider point of view	Lionel Menard, Mines-Paristech
10:05	Metadata aficionados: State of the art on Metadata to capture User Feeback and work to be done	Joan Masó, CREAF
10:20	Open discussion to validate the understanding of the Data providers and of the Users	
10:40	Synthesis and conclusions	Bart De Lathouwer, OGC, Bente Lilja Bye, BLB

Session 17: GEO capacity development, contribution to SDGs and realization of regional impacts derived from GEO European Projects AURA ROOM	
Time	**Title of the presentation**
Part 1. Setting the scene	
09:00	Presentation on GEO capacity development, contributions of GEPs related to capacity building and knowledge sharing.
09:15	Presentation on engagement of stakeholders (GEO-CRADLE partner)
09:30	Presentation on dissemination of GEO and Copernicus in the regions (GEO-CRADLE)
09:45	Methodological aspects for assessing regional maturity and setting up regional action plans for addressing priorities and needs (GEO-CRADLE partner)
10:00	GEOSS Users (Generic User with general interest in EO data or users from specific Communities): User Feedback from Data provider point of view
Part 2: Brainstorming session (working in groups)	
11:15	a) What is the best way to contribute to GEO capacity development (through GEPs and beyond GEPs) for the coming 10 years (GEO implementation plan) + concrete examples? b) What is the best way for GEO capacity development to contribute to the SDGs (through GEPs and beyond GEPs) + concrete examples? c) Geographical diversification of GEO capacity development and knowledge (and data) sharing: what factors need to be taken into account and what is the best approach (through GEPs and beyond GEPs) + concrete examples?
11:45	Pitches of solutions
Part 3: Regional experiences and assessing solutions (panel discussion with regional stakeholders)	
12:00	a) Introduction on which studies are promoted as priorities, and how linked they are to future perspectives for EO capacity building and market uptake at regional level and the impact of the selected use cases for the regions. b) Panel discussion.

Session 18 : Coordinated, comprehensive in situ data component of atmospheric and ecosystem measurements for complementing the space borne Earth Observation AQUA ROOM		
Time	**Title of the presentation**	**Speakers**
09:00	Welcome & Introduction of the panelist (& tutorial of the SIL.DO-tool)	
09.15	European Research Infrastructure for the observation of Aerosol, Clouds, and Trace gases (ACTRIS) RI & GEOSS	Sanna Sorvari Finnish Meteorological Institute
09.25	Integrated Carbon Observation System (ICOS) and the GEOSS initiative on Carbon and Greenhouse Gases: Integration across domains	Werner Kutsch ICOS-ERIC Headquarters
09.35	Infrastructure for Analysis and Experimentation on Ecosystems (Anaee) RI & GEOSS	Andre Chanzy, UMR INRA/UAPV Environnement Méditerranéen et Modélisation des AgroHydrosystèmes, France
09.45	Chinese Ecosystem Research Network (CERN) RI & GEOSS	Yu Xiubo, Institute of Geographic Sciences and Natural Resources Research (CAS), China
09.55	Station for Measuring Earth Surface - Atmosphere Relations (SMEAR) RI & GEOSS	Markku Kulmala, University of Helsinki, Finland
10:05	Discussion	

Session 19 : DataHub (CKAN): NextGEOSS makes life easier for GEO Communities of Practice - speed up portal integration! BRAINSTORM AUDITORIUM		
Time	**Title of the presentation**	**Speakers**
11:15	Introduction	Bente Lilja Bye, BLB
11:20	The DAB API	Bart De Lathouwer, OGCE
11:35	The CKAN system and its improvements planned into NextGEOSS project	Jovanka Gulicoska , Viderum
11:55	The NextGEOSS project	Nuno Catarino, DEIMOS
12:15	Roundtable discussion	
12:55	Conclusion	Bart De Lathouwer, OGCE

Session 20 : Global change impacts in mountain region AQUA ROOM			
Time	**Title of the presentation**	**Speakers**	**Project**
11:15	Aim, outline of the session and role of GEO ECO	Antonello Provenzale, CNR IGG	
11:20	Geosphere-biosphere interactions in mountain protected areas: the ECOPOTENTIAL view	Silvia Giamberini CNR IGG	ECOPOTENTIAL
11:25	Mountain Protected Areas from space	Joan Masó CREAF	ECOPOTENTIAL ENEON
11:35	The Sentinel Alpine Observatory	Marc Zebisch EURAC	EURAC
11:45	Elevation Dependent Warming and the need for a network of monitoring stations: the role of GEO GNOME	Elisa Palazzi CNR ISAC	GEO GNOME
12:00	Joint response to the Grand Challenges: eLTER RI as generic European research infrastructure for ecosystem, critical zone and socio-ecological research	Michael Mirtl Environment Agency Austria	eLTER, ILTER
12:15	A concrete example: blending remote sensing and in situ data at the Sierra Nevada National Park in Spain	Francisco Bonet Garcia U. Granada	ECOPOTENTIAL
12:25	Volcanic Supersites as multidisciplinary mountain observatories	Letizia Spampinato INGV Italy	
12:35	Mountain ecosystems under global change - bridging the science-policy gap	Eleonora Musco UN Environment Vienna	
12:45	Discussion		