

9th GEO

European Projects' Workshop

Copenhagen
15-16 June 2015

Shaping the future:
Constructing GEOSS
from European initiatives

Welcome

The European Environment Agency, the Danish Meteorological Institute and the European Commission welcome you to the 9th GEO European Projects Workshop. This event is timed on the cusp of the new Group on Earth Observations (GEO) Strategic Plan and the upcoming 2016 GEO Work Programme, enabling to build momentum and coherence in Europe around plans for the next decade. A traditional perspective sees Earth observations and data at the heart of GEO upon which green and smart evidenced-based policies can be built. A strengthening view also sees a key role of GEO as convening the communities and networks that transcend institutional structures and deliver added value by co-creating information and knowledge. The EU flagship for Earth Observation (Copernicus) and Horizon2020 research programmes are key vehicles to contribute to Global Earth Observations System of Systems (GEOSS) and respond to European policy priorities. European countries are placing increased emphasis on nurturing innovation, public - private sector partnerships and making use of data and information to support smart policy-making at all levels of government as well as fostering growth. Europe can therefore rely on significant assets to implement GEOSS until 2025.

Growing the community

The GEO European projects community reflects European focus in the first decade of GEO with a majority of participants coming from public bodies. At least three in four are already implementing the GEOSS Data Sharing Principles in their organisations or countries. This shows Europe's leading role in data sharing and the considerable impact of GEO. GEO in Europe is a vibrant community, balancing stability and turnover, this year around half of participants will have participated in previous GEO European projects workshops. The GEO community has always been ambitious in its belief in the power of observations to create societal benefits. The emerging global consensus to focus on Sustainable Development Goals combined with increased involvement of the private sector will bring about increased emphasis on user communities and practical added value for them from GEO.

Global to local Connections

The Danish Government shares the global concern about the condition of the Earth, and Denmark agrees on the need to ensure information and data which can help us gain a better understanding, assessment and prediction of the entire Earth system. Denmark supports further development of a comprehensive, co-ordinated and sustained GEOSS, based upon harmonisation and coordination of existing services to the greatest possible degree. For instance, improved and sustained data sharing and collection in the North Atlantic and the Arctic is a priority for Denmark and a mission that is expected to benefit significantly from the activities fostered by GEO. The city of Copenhagen has set itself the ambitious goal to be carbon neutral by 2025 as the first capital in the world to do so. Responding to this challenge is seen as a long term investment to both secure and improve the quality of life in Copenhagen as well as to create opportunities for innovation, jobs and green growth. Our meeting location - The Crown Plaza - has twice been awarded "The World's greenest hotel" (2010 and 2011). The goals and approaches are similar across all parts of society. What is needed is to leverage observations and the growing bodies of knowledge around them not just to monitor trends, but change them, and thus address societal challenges.

About the hosts

Danish Meteorological Institute (DMI)

DMI provides meteorological services in the Commonwealth of the Realm of Denmark, the Faroe Islands, Greenland, and surrounding waters and airspace to safeguard human life and property. By creating credible knowledge about weather, climate and sea for the benefit of society, DMI's many activities also act as background knowledge for planning and decision-making in economic and environment sectors - especially within transport and industry businesses.

DMI measures, collects and processes meteorological, climatological and oceanographic parameters throughout the commonwealth. As the Danish GEO Principle, DMI is a major Danish provider and user of Copernicus data and services and has been involved in several Copernicus and GEO related research projects as well as operational activities.

European Commission (EC)

The European Commission is one of the main institutions of the European Union. It represents and upholds the interests of the European Union as a whole, drafts proposals for new European legislation and manages the day-to-day business of implementing EU policies and spending EU funds. The 28 Commissioners, one from each EU country, provide the Commission's political leadership during their 5-year term.

Through the European Commission and the EU Member States, the European Union (EU) is a driving force within GEO. The EU Research and Innovation programmes have been pivotal in building the GEOSS, with more than €200 Mio invested over the period 2007-2013, with ongoing support by Horizon 2020 activities as well as from the direct actions carried out by the Joint Research Centre. Copernicus, the European Earth observation programme which has recently entered into operation, also provide a crucial framework for the achievement of a strong and visible European contribution.

European Environment Agency (EEA)

EEA aims to support sustainable development through provision of timely, targeted, relevant and reliable information to policy-making agents and the public. The specific role of EEA is to support policymaking at the EU level and build capacity in member countries.

The International dimension of EEA's work is to provide expertise, assessment and data as part of European contribution to global activities. For GEO, the contribution includes facilitation and development of data sharing, user uptake, in-situ and strengthening connections to Eionet and communities of practice.

PROGRAMME DAY 1: Monday, 15th June 2015

Hotel Crowne Plaza Copenhagen - Everest 1&2

9:00 - 10:30	PLENARY SESSION: IMPLEMENTING GEO/GEOSS IN EUROPE - THE EUROPEAN CONTEXT Chair: Gilles Ollier (<i>European Commission</i>)
08:15	Registration
9:00 - 9:05	Welcome and Agenda
9:05 - 9:20	Europe for GEOSS – An overview of the European Commission activities contributing to GEO Andrea Tilche (<i>European Commission</i>)
9:20 - 9:30	The role of EASME in Horizon 2020 programme implementation Arnoldas Milukas (<i>EASME, European Commission</i>)
9:30 - 10:00	An overview of GEO in Denmark Marianne Thyrring (<i>Danish Meteorological Institute</i>)
10:00 - 10:30	GEO & Europe's environment and climate ambitions Hans Bruyninckx (<i>European Environment Agency</i>)
10:30 – 11:00	Coffee break & poster exhibition

11:00 - 13:00

PARALLEL SESSIONS 1, 2, 3

Loch Ness Session 1: Citizens contributions to GEOSS Chair: Alan Edwards (<i>GEO IPWG</i>)	Everest 1&2 Session 2: Biodiversity and Ecosystems Chair: Gary Geller (<i>GEO Secretariat</i>)	Lake Geneva Session 3: Polar regions and Supersites in GEOSS Chair: Franz Immler (<i>EC-EASME</i>)
11:00 - 11:20 Citizens' contributions to GEOSS Elena Roglia (<i>EC</i>)	11:00 - 11:20 GEO BON: Progress and Visions Jörg Freyhoff (<i>GEO BON</i>)	11:00 - 11:20 INTERACT Contribution to the GEOSS Hannele Savela (<i>Oulu University</i>)
11:20 - 11:40 CITI-SENSE Citizens Observatory Arne Berre (<i>SINTEF</i>)	11:20 - 11:40 The European Biodiversity Observation Network (EU BON) – core elements for an integrated biodiversity information system Christoph Haeuser (<i>MfN</i>)	11:20 - 11:40 EUSTACE - improved global temperature estimates and the connection to GEO Jacob L. Høyer (<i>DMI</i>)
11:40 - 12:00 Analyzing the Role of Citizen Science in Modern Research Luigi Ceccaroni (<i>BDIGITAL</i>)	11:40 - 12:00 ECOPOTENTIAL: a new H2020 project on improving future ecosystem benefits from Earth Observations Antonello Provenzale (<i>CNR</i>)	11:40 - 12:00 MARSITE - New Directions in Seismic Hazard Assessment through Focused Earth Observation in the Marmara Supersite Semih Ergintav (<i>Bogazicy University</i>)
12:00 - 12:20 The COBWEB Co-Design Process in the Dyfi Biosphere Lucy Morus-Baird (<i>EcoDyfi</i>)	12:00 - 12:20 The SWOS (Satellite-based Wetland Observation Service) H2020 Project and its links to GEO Kathrin Weise (<i>Jena-Optronics</i>)	12:00 - 12:20 MEDITerranean Supersite Volcanoes (MED-SUV) project: goals, achievements and perspectives Giuseppe Puglisi (<i>INGV</i>)
12:20 - 12:40 Drivers and obstacles for sharing citizen-sensed data Uta Wehn (<i>UNESCO-IHE</i>)	12:20 - 12:40 GLOBIS-B (GLOBal Infrastructures for Supporting Biodiversity research) Daniel Kissling (<i>IBED</i>)	12:20 - 12:40 Results from FUTUREVOLC - European volcanological supersite in Iceland Freysteinn Sigmundsson (<i>Nordic Volcanological Center</i>)
12:40 - 13:00 Integration of advanced satellite techniques and citizens observatories to monitor and mitigate natural, environmental and industrial risks Valerio Tramutoli (<i>University of Basilicata</i>)	12:40 - 13:00 Q&A	12:40 - 13:00 Q&A

13:00 -14:00

Lunch break

PROGRAMME DAY 1: Monday, 15th June 2015 – Afternoon

14:00 -15:50

PARALLEL SESSIONS 4, 5, 6

Loch Ness Session 4: Architecture and Data Management Chair: Stefan Jensen (EEA)	Everest 1&2 Session 5: Marine Observing and Information Systems (I) Chair: Erik Buch (EuroGOOS)	Lake Geneva Session 6: Food-Water-Energy Nexus Chair: Jan-Erik Petersen (EEA)
14:00 - 14:20 GEO Data Management Principles – Making best practice a global commons Massimo Craglia <i>(European Commission)</i>	14:00 - 14:20 Sustained European Marine Observing System for marine information production Jun She (DMI)	14:00 - 14:20 European and Global Agriculture monitoring: Present and future challenges Olivier Leo (JRC)
14:20 - 14:40 The GEO Discovery and Access Broker Stefano Nativi (CNR)	14:20 - 14:40 AtlantOS: Optimizing and Enhancing the Integrated Atlantic Ocean Observing System Martin Visbeck (GEOMAR)	14:20 - 14:40 SIGMA and AGRICAB Sven Gilliams (VITO)
14:40 - 15:00 Cross-disciplinary integration of data and information from research infrastructures in the environmental field Christoph Waldmann (Marum)	14:40 - 15:00 Copernicus Marine Service - Mercator Ocean	14:40 - 15:00 Food, water, energy data required for integrated modelling Ian McCallum (IIASA)
15:00 - 15:20 The potential role of Linked Data in GEOSS Jon Blower (University of Reading)	15:00 - 15:20 NeXOS -advances in Marine Observation Jay Pearlman (IEEE)	15:00 - 15:20 Copernicus Land: Status and Products Stefan Jensen (EEA)
15:20 - 15:40 Experiences with transferring of GEOSS to communities Karel Charvat (CCSS)	15:20 - 15:40 Open environment data - a game changer for sustainable marine and water management in a changing climate Thomas Klein (Swedish Agency for Marine and Water Management)	15:20 - 15:40 Opening a global water resources ensemble via OpenDAP for end users Jaap Schellekens (DELTA RES)
15:40 - 15:50 Q&A	15:40 - 15:50 Q&A	15:40 - 15:50 Q&A

15:50 - 16:10

Coffee break & poster exhibition

PROGRAMME DAY 1: Monday, 15th June 2015 – Afternoon

16:10 - 18:00

PARALLEL SESSIONS 7, 8, 9

<p style="text-align: center;">Loch Ness</p> <p style="text-align: center;">Session 7: Accessing and Exploiting EO Data and Services Chair: Carsten Dettmann (<i>BMVI</i>)</p>	<p style="text-align: center;">Everest 1&2</p> <p style="text-align: center;">Session 8: Marine Observing and Information Systems (II) Chair: Jun She (<i>DMI</i>)</p>	<p style="text-align: center;">Lake Geneva</p> <p style="text-align: center;">Session 9: Sustainable Development, Essential Variables and Capacity Building Chair: Laura Poulson (<i>Danish Geodata Agency</i>)</p>
<p>16:10 - 16:30 Quick access to information: the power of visualization and analysis Raffaele de Amicis (<i>Graphitech</i>)</p>	<p>16:10 - 16:30 Operational marine data exchange in Europe and links to global systems Erik Buch (<i>EuroGOOS</i>)</p>	<p>16:10 - 16:30 GEO capacity building and global sustainable agenda Andwisa Milisa (<i>GEO Secretariat</i>)</p>
<p>16:30 - 16:50 SenSyF: Sentinel Synergy Framework Nuno Almeida (<i>DEIMOS</i>)</p>	<p>16:30 - 16:50 EMODnet Physics an example of open and unrestricted data access Erik Buch (<i>EuroGOOS</i>)</p>	<p>16:30 - 16:50 Results of the EOPOWER project with respect to capacity building and sustainable development for GEOSS Mark Noort (<i>HCP International</i>)</p>
<p>16:50-17:10 The Integrated Carbon Observing System ICOS in Europe and its Carbon Portal Alex Vermeulen (<i>Lund University</i>)</p>	<p>16:50-17:10 Implementing the Ecosystem Approach for North African marine ecosystem: suggestions from the MEDINA project Roberto Pastres (<i>UNIVE</i>)</p>	<p>16:50-17:10 ConnectinGEO: starting a gap analysis for GEO observations in Europe (from the SDG to the GEOSS broker statistics) Joan Masó (<i>CREAF</i>)</p>
<p>17:10 - 17:30 The EODC and its possible contributions to GEOSS Werner Muecke (<i>EODC</i>)</p>	<p>17:10 - 17:30 New developments in web-based information systems - real time collaboration Ben Calton (<i>Plymouth Marine Laboratory</i>)</p>	<p>17:10 - 17:30 Essential Variables in the frame of GEO Antonio Bombeli (<i>CMCC</i>)</p>
<p>17:30 - 17:50 How European SMEs are fulfilling the gap between GEOSS & Copernicus and end-user requirements ? Combining GEO resources (data & software) for providing Information as a service Emmanuel Mondon (<i>CloudEO</i>)</p>	<p>17:30 - 17:50 CommonSense Project and interactions with GEOSS Sergio Martinez Navas (<i>LEITAT</i>)</p>	<p>17:30 - 17:50 Swiss activities on biodiversity variables for ecosystem services monitoring Jose Romero (<i>Swiss Federal Office for the Environment</i>)</p>
<p>17:50 - 18:10 Q&A</p>	<p>17:50 - 18:10 Q&A</p>	<p>17:50 - 18:10 Q&A</p>

PROGRAMME DAY 2: Tuesday, 16th June 2015

Hotel Crowne Plaza Copenhagen - Room Everest 1&2

08:45 – 10:15	PLENARY SESSION: CONNECTING EUROPEAN INITIATIVES TO GLOBAL ENDEAVOURS Chair: Chris Steenmans (<i>European Environment Agency</i>)
08:45 – 09:15	Bringing EU research and innovation to the global stage via GEOSS Gilles Ollier (<i>European Commission</i>)
09:15 - 09:40	Copernicus a European contribution to GEO Astrid-Christina Koch (<i>European Commission</i>)
09:40 - 10:00	A European Vision for GEOSS post 2015 Massimo Craglia (<i>European Commission</i>)
10:00 - 10:15	ERA-PLANET: Four pillars for four new projects Joan Masó (<i>CREAF</i>)
10:15 - 10:40	Coffee break & poster exhibition
10:40 - 11:00	New GEO Implementation plan – key features & implementation mechanisms Jörn Hoffmann (<i>GEO Implementation Plan Working Group</i>)
11:00 - 11:15	The Transitional GEO Work Programme for 2016 Giovanni Rum (<i>GEO Secretariat</i>)
11:15 - 11:35	The experience of GFOI as a global initiative connecting to users Henrik Fliflet (<i>Norwegian Ministry of Climate and Environment</i>)
11:35 - 12:15	Panel discussion Moderator: Tim Haigh Panelists: Jörn Hoffmann, Giovanni Rum, Carsten Dettmann and Øystein Nesje
12:15 - 13:15	Lunch break
13:15 - 15:15	PLENARY SESSION: ENGAGING THE EUROPEAN PRIVATE SECTOR IN GEO - SPECIAL FOCUS ON YOUNG ENTREPRENEURS Chair: Mariano Davies (<i>British Chamber of Commerce – Denmark</i>)
13:15 - 13:30	Engaging the European Private Sector in GEO – General context Gilles Ollier (<i>European Commission</i>)
13:30 - 13:50	MYGEOSS: Watch out, Innovation about! Elena Roglia and Massimo Craglia (<i>European Commission</i>)
13:50 - 14:10	From pixel to pocket. How are we going to make GEO data important to me Craig Mills (<i>Vizzuality</i>)
14:10 - 14:30	Foster sustainable development by bridging the data gap Marco Hartman (<i>HKV</i>)
14:30 - 14:50	Jansson Norin Niels-Erik Jansson (<i>JN</i>)
14:50 - 15:15	Coffee break
15:15 - 16:30	Panel discussion Moderator: Mark Noort Panelists: Gilles Ollier, Mikael Kamp Soerensen, Stefano Nativi, Roland Wagner, Nils-Erik Jansson
	CLOSING SESSION: Chair: Tim Haigh
16:30 - 16:45	Closing Remarks Chris Steenmans (<i>EEA</i>), Jane Shiel (<i>EC</i>), Henrik Steen Andersen (<i>DMI</i>)

Presentation: Europe for GEOSS – An overview of the European Commission activities contributing to GEO**Name:** Andrea Tilche**Title:** European Commission GEO Alternate, Head of Unit of Climate Action and Earth Observation**Bio:**

Andrea Tilche obtained his Doctor Degree in Agricultural Sciences at the University of Milano in 1978. His scientific career was mainly carried out in Italy where he set-up and directed the wastewater treatment laboratories of ENEA in Bologna, working on advanced anaerobic treatment and biological nutrient removal technologies. In 1998 he moved to the Joint Research Centre of the European Commission in Ispra as Head of the Water Research and Monitoring Unit, and later moved to Brussels to lead the Water Key Action of the 5th Framework Programme. He is presently Head of the Unit "Climate Action and Earth Observation" in DG Research & Innovation. In this position, he is in charge of drafting European research programmes in the field of climate change and earth observation, and of managing their execution.

Email: andrea.tilche@ec.europa.eu**Organisation:** European Commission, DG Research and Innovation**Links:****Rate this talk**

- Excellent
- Persuasive
- Inspiring
- Informative

Notes:**Presentation: The role of EASME in Horizon 2020 programme implementation****Name:** Arnoldas Milukas**Title:** Head of Unit "H2020 Environment and resources"**Bio:**

Joined European Commission DG Research and Innovation in 2005, contributed to development and implementation of Research framework programmes in areas of Transport and Environment.

Email: arnoldas.milukas@ec.europa.eu**Organisation:** The European Commission Executive Agency for Small and Medium-sized Enterprises (EASME)**Links:** https://twitter.com/EU_ecoinno
<http://ec.europa.eu/easme/en/news>**Rate this talk**

- Excellent
- Persuasive
- Inspiring
- Informative

Notes:

Presentation: An overview of GEO in Denmark

Name: Marianne Thyrring **Title:** Director General



Bio:

Mrs. Marianne Thyrring has a Master of Science in Political Science from 1984. From 2007-2012 she was Permanent Secretary of the Ministry of Environment. She has been Director General of the Danish Meteorological Institute since August 2013.

Email: mth@dmi.dk

Organisation: Danish Meteorological Institute

Links: <http://www.dmi.dk/vejr/>

Rate this talk

- Excellent
- Persuasive
- Inspiring
- Informative

Notes:

Presentation: GEO & Europe's environment and climate ambitions

Name: Hans Bruyninckx **Title:** Executive Director



Bio:

From 2010 until his appointment at EEA, head of policy research Institute in Belgium. 20 years' experience conducting research internationally, including on environmental politics, climate change, and sustainable development.

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Organisation: European Environment Agency

Links: <http://www.eea.europa.eu/>

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Notes:

Presentation: MYGEOSS: Watch out, Innovation about!**Name:** Elena Roglia**Title:** Postdoctoral Researcher**Bio:**

Elena is a GEOSS DATA-CORE Miner, and Jeweller.
She is also the founder of the Gallinero Loco.

Email: elena.roglia@jrc.ec.europa.eu**Organisation:** European Commission, DG JRC,
Institute for Environment and Sustainability**Links:** <http://digitalearthlab.jrc.ec.europa.eu/mygeoss/index.cfm>;
<http://digitalearthlab.jrc.ec.europa.eu/mygeoss/call.cfm>;**Rate this talk**

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- Informative

Notes:**Presentation: A European Vision for GEOSS post-2015****Name:** Massimo Craglia**Title:** Senior Scientist**Bio:**

At the centre of Spatial Data Infrastructure developments for many years, Max's current research interest are in helping develop Digital Earth, as an interactive, multi-disciplinary, ICT-enabled infrastructure fostering a shared understanding of the complex relationships between society and the environment. To do so, he is interested in linking existing multi-disciplinary data infrastructures with models and dynamic real time data flows from citizens and sensors.

Email: massimo.craglia@jrc.ec.europa.eu**Organisation:** European Commission, DG JRC,
Institute for Environment and Sustainability**Links:** <http://digitalearthlab.jrc.ec.europa.eu/mygeoss/index.cfm>
<http://digitalearthlab.jrc.ec.europa.eu/mygeoss/call.cfm>**Rate this talk**

- Excellent
- Persuasive
- Inspiring
- Informative

Notes:

Presentation: Bringing EU research & innovation to the global stage via GEOSS

Name: Gilles Ollier

Title: Head of Earth Observation Sector



Bio:

Geologist by background and graduated at the Higher National School of Oil and Engines now the IFP School, he has been working at the French Research Institute for Exploitation of the Sea (IFREMER) for 10 years as a geoscientist before joining the Commission in 1993.

Email: gilles.ollier@ec.europa.eu

Organisation: European Commission, DG Research and Innovation

Links: http://ec.europa.eu/research/environment/index_en.cfm?pg=earth

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Notes:

Presentation: The European Earth observation programme

Name: Astrid-Christina Koch

Title: Programme officer - Copernicus



Bio:

I got a Ph.D. in Natural Sciences , worked at the EU Delegation in Washington as a science diplomat. Now I work on the development of international dimension of Copernicus.

Email: astrid-christina.koch@ec.europa.eu

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Links: <http://www.copernicus.eu>
Facebook: CopernicusEU ; Twitter: @CopernicusEU

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Notes:

Presentation: ERA-PLANET: 4 pillars for new 4 projects**Name:** Joan Masó**Title:** Member of the GEO Infrastructure Implementation Board and of the GEO Standards and Interoperability Forum**Bio:**

PhD in Geography, Editor of several Geospatial standards. Coordinator of H2020 ConnectinGEO and WaterInnEU and FP7 GeoViQua.

Email: joan.maso@uab.cat**Organisation:** CREAM (Centre for Ecological Research and Forestry Applications). Fac. Ciències UAB 08193 Bellaterra Barcelona Spain.**Links:** <http://www.cream.cat/en/personal/joan-maso-pau>
<https://es.linkedin.com/in/joanmaso>
<https://twitter.com/@joanma747>**Rate this talk**

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Notes:**Presentation: New GEO Implementation plan – key features & implementation mechanisms****Name:** Jörn Hoffmann**Title:** Co-Chair of the GEO Implementation Plan Working Group**Bio:**

Involved in Copernicus for the German Aerospace Center. Has been involved in GEO for many years and worn different hats, including as Co-Chair of the Science and Technology Committee and now the Implementation Plan Working Group.

Email: joern.hoffmann@dlr.de**Organisation:** German Aerospace Center (DLR)**Links:****Rate this talk**

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Notes:

Presentation: The Transitional GEO Work Programme for 2016

Name: Giovanni Rum

Title: Senior Program Officer - GEO Secretariat



Bio:

Giovanni Rum is a Senior Programme Officer at the Group on Earth Observations (GEO). He holds a degree in Mechanical Engineering and he spent the majority of his career at the Italian Space Agency, from 1981 to June 2006, before joining the GEO Secretariat. He was in charge of several programs and from 1999 to 2006 he was actively involved in Earth Observations, as the Head and Deputy Head of the ASI Earth Observation Unit. In his capacities, he was member of different international Bodies, such as the ESA Earth Observation Program Board, CEOS, and worked closely with Institutional Users to introduce satellite data and related information into their decision processes.

Email: grum@geosec.org

Organisation: Group on Earth Observations (GEO)

Links: <http://www.earthobservations.org>

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Notes:

Presentation: The experience of GFOI as a global initiative connecting to users

Name: Henrik R. Fliflet

Title: GFOI-lead representing Norway
Higher Executive Officer, Ministry of Climate and Environment, Norway.



Bio:

Henrik is a technical officer in the Norwegian Government's Climate and Forest Initiative (NICFI), which seeks to combat climate change by reducing greenhouse gas emissions from deforestation and forest degradation. Henrik is a biologist with a knack for Irish drinking songs who is actively following the rapid advancements in cloud computing and the implications for remote sensing; all seen through the lens of environmentalism.

Email: hff@kld.dep.no

Organisation: The Royal Norwegian Ministry of Climate and Environment

Links: <https://www.regjeringen.no/en/topics/climate-and-environment/climate/climate-and-forest-initiative/id2000712/>

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Notes:

Presentation: From pixel to pocket. How are we going to make GEO data important to me

Name: Craig Mills

Title: Vizzuality CEO



Bio:

Company CEO designing data products that have impact. Helping organisations create engaging data stories. Previously worked for the UK government and UN working on environmental technology projects.

Email: craig.mills@vizzuality.com

Organisation: Vizzuality

Links: [twitter: @craigmmills](https://twitter.com/craigmmills)
<http://www.vizzuality.com/>

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Notes:

Presentation: Foster sustainable development by bridging the data gap

Name: Marco Hartman

Title: Consultant GIS and Water Management



Bio:

Examples of projects where we effectively bypassed the data and communication gap using freely available data. This leads to more efficient project implementation as well as improved project results.

Email: m.hartman@hkv.nl

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Links: <http://www.hkv.nl/en/>

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Notes:

List of Participants in 9th GEO European Projects' Workshop

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Thank you for contributing!

Four actions for the coming weeks:

- Take a moment to fill in the survey at the following link.
Your opinion will help ensure that next time this event will be even better!
<https://ec.europa.eu/eusurvey/runner/GEPW9Survey>
- Keep the community engaged and growing. Sign up and contribute to the LinkedIn group:
GEO European Projects: Constructing GEOSS from European initiatives
<https://www.linkedin.com/grp/home?gid=8298274>
- Access presentations and documents at **<http://geo.pbe.eea.europa.eu/>**
- Follow up the new connections you made and great ideas you shared.

The background of the slide is a blue sky with a dark diagonal beam of light. At the bottom, there is a horizon line with several wind turbines. The text is centered in the middle of the slide.

9th GEO European Projects' Workshop

**Shaping the future:
Constructing GEOSS
from European initiatives**