



EUROGEOSS

**TAILORING EARTH OBSERVATION SERVICES
TO EUROPE'S NEEDS**
Coordinate, combine and cooperate

SPACED Workshop *EuroGEOSS*

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Gilles OLLIER

Head of Sector Earth Observation

Directorate Climate Action and Resource Efficiency – I4

Directorate General Research & Innovation

EUROPEAN COMMISSION

Gilles.Ollier@ec.europa.eu



GEO (Group on Earth Observation)



- Group on Earth Observations (GEO) is a global partnership of 104 national governments + EC and 115 Participating Organizations – *DG RTD Smits lead co-chair*
- Foundation of GEO in 2005, renewed commitment in 2015
- GEO implements a Global Earth Observation System of Systems (GEOSS)
- 23-27 October 2017: GEO Plenary Week in Washington D.C. – launch of EuroGEOSS
- Focus of the Plenary on 1) the importance of GEO demonstrating the value of Earth observations to end users and 2) on delivery and showcasing the impact and added value of GEO

EuroGEOSS: aim and key features (1)

- Objectives:
 - To increase the benefits for Europe of its participation within GEOSS
 - To contribute to building GEOSS
- Application oriented, based on existing elements ("umbrella" framework) driven jointly by RTD & GROW
- From a "data-centric approach" to a "user-driven GEOSS"

EuroGEOSS: aim and key features (2)

- Focus on Sustainable Development Goals, GEO Societal Benefit Areas and GEO priorities in a European context
- Integrate scattered efforts: Horizon 2020, **Copernicus, ESA, national initiatives,...**
- Improving user uptake of the GEOSS assets
- Leverage and make European EO assets visible internationally

EuroGEOSS: global context

- 3 on-going regional initiatives:

- AmeriGEOSS



- AfriGEOSS



- AOGEOSS



- EuroGEOSS seeks for cooperation with other regional initiatives to implement an all-encompassing GEOSS

EuroGEOSS: added value

- Act as incubator cooperating with Copernicus to produce and test EO services and applications of the future
- Deliver specific EO applications benefiting from integrating Global Datasets available through GEOSS
- Promote, scale-up and develop EO applications in association with users
- Improve forecasting capabilities for sound decision-making by governments

EuroGEOSS will not duplicate Copernicus but is fully coordinated with Copernicus and will make use of its data and information

EuroGEOSS and Copernicus

Key elements of Copernicus – EuroGEOSS interaction

- The Copernicus Data and Information Access Services (DIAS) should become the enabler for the development of the EuroGEOSS projects by providing the infrastructure ("back-office") for accessing Copernicus and other data to be used within EuroGEOSS
- The EuroGEOSS initiative has the potential to considerably enrich the "ecosystem" of Copernicus and to become an important "front office service"
- EuroGEOSS in return can "attract" additional data to the European ecosystem

EuroGEOSS: resources

- Under Horizon 2020 (*Societal Challenge 5 -Climate Action, Environment, Resource Efficiency and Raw Materials*), in 2018 call for € 15 M foreseen to further EuroGEOSS
- Copernicus resources will contribute to EuroGEOSS
- Several on-going Horizon 2020-projects worth **several 10th M of € will be integrated in the** initiative (e.g. agriculture, renewable energy, protected areas, citizen observatories, etc.)
- GCI (GEOSS Common Infrastructure) essential resource to develop EuroGEOSS applications

EuroGEOSS: Governance

- Overseen by the HLWG (European Caucus)
- Coordination Group (chaired by the Commission)
- Coordination group members represent most of the European countries and participating organisations in GEO
- Implementation building on existing actions (challenge to bring them together)

EuroGEOSS: towards implementation

- Took advantage of the EuroGEOSS launching to explore possible pilot initiatives as examples
- Presentation of three sample pilots in the domain of agriculture, renewable energy and protected areas
- In the future: evaluate possible development of the three pilots within EuroGEOSS and identify new ones
- Meeting EuroGEOSS coordination group (29th november) to discuss priorities

EuroGEOSS priorities: nine SDGs



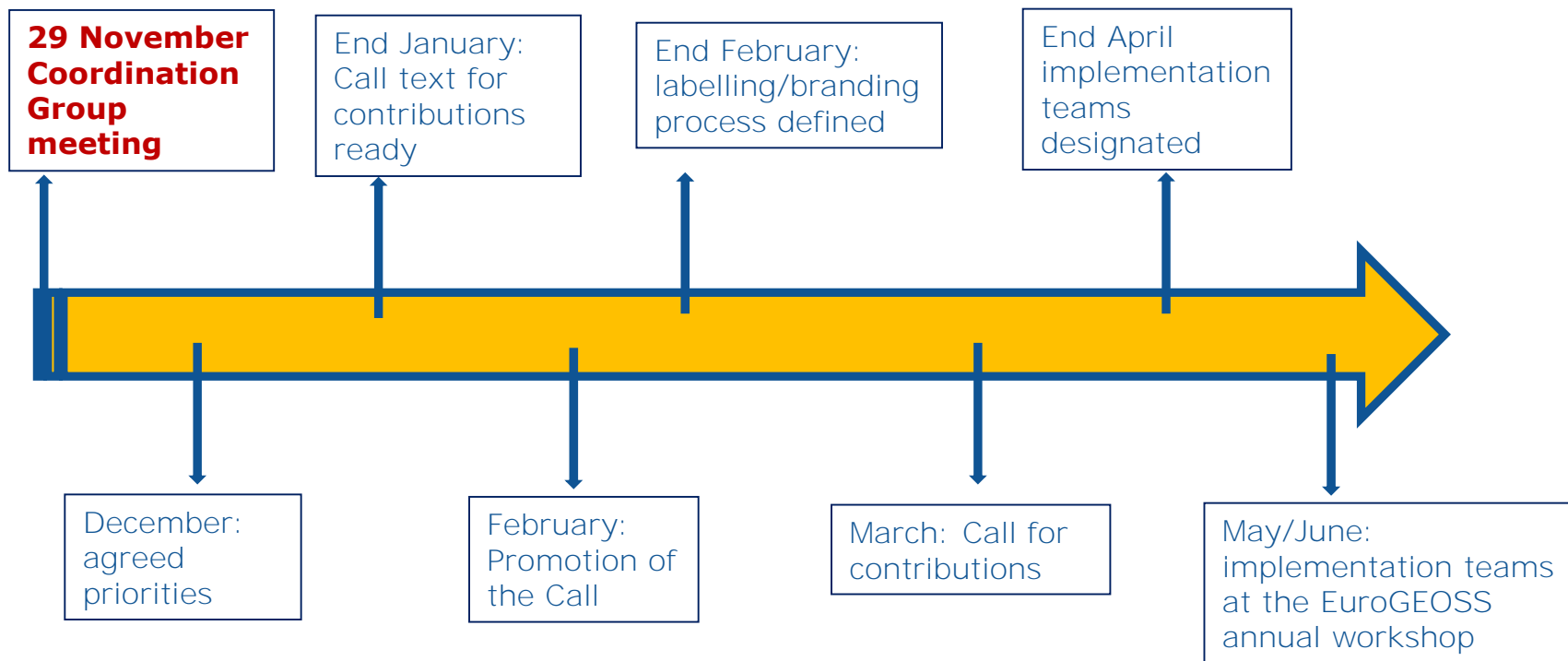
Survey of EuroGEOSS contributors

- To survey innovation activities related to agreed EuroGEOSS priorities already on-going in Europe
- To identify European stakeholder from the entire value chain interested to collaborate
- To specify synergies and intended type of up-scaling for new EuroGEOSS pilots and their market uptake

To be developed by the coordination group

Adapted from calls by European Innovation Partnerships

Will be implemented as an online EU survey



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Thank you!

RTD-EUROGEOSS@ec.europa.eu

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