

# EuroGEOSS

*Coordinate, combine and cooperate*

**27 September 2018**

**Andrea Tilche**

**Head of Unit "Climate action and Earth observation"**

**Directorate General Research & Innovation**

**EUROPEAN COMMISSION**

# Introduction EuroGEOSS

- EuroGEOSS is application oriented, based on existing elements ("umbrella" framework) -> like **ECOPOTENTIAL**
- Shared initiative between European Commission and Member States
- From "data-centric approach" to "user-driven GEOSS"
- Focus on SDGs, 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 – added value

- Act as an incubator cooperating with Copernicus to produce and test EO services and applications of the future
- Promote, scale-up and develop EO applications in association with users
- Combine existing initiatives and make the whole more than a sum of the parts -> **ECOPOTENTIAL**
- Improve forecasting capabilities for sound decision-making by governments

# EuroGEOSS – complementary routes

- Calls in Horizon 2020 and other funding schemes (Copernicus, ESA, national initiatives,...) – ECO POTENTIAL is funded through H2020
- Voluntary, bottom-up scheme with topical Action Groups to help the upscaling of existing applications -> ECO POTENTIAL is involved
- To form ad hoc (max 3 years) European innovation partnerships -> the EuroGEOSS Action Groups
- These Action Groups have been announced on 12 September – one Action Group on Biodiversity & Ecosystems

# Earth Observation and objectives of ECO POTENTIAL in Horizon Europe

Clusters	Areas of intervention	
Health	<ul style="list-style-type: none"> <li>* Health throughout the life course</li> <li>* Non-communicable and rare diseases</li> <li>* Tools, technologies and digital solutions for health and care</li> </ul>	<ul style="list-style-type: none"> <li>* Environmental and social health determinants</li> <li>* Infectious diseases</li> <li>* Health care systems</li> </ul>
Inclusive and Secure Societies	<ul style="list-style-type: none"> <li>* Democracy</li> <li>* Social and economic transformations</li> <li>* Protection and Security</li> </ul>	<ul style="list-style-type: none"> <li>* Cultural heritage</li> <li>* Disaster-resilient societies</li> <li>* Cybersecurity</li> </ul>
Digital and Industry	<ul style="list-style-type: none"> <li>* Manufacturing technologies</li> <li>* Advanced materials</li> <li>* Next generation internet</li> <li>* Circular industries</li> <li>* Space</li> </ul>	<ul style="list-style-type: none"> <li>* Key digital technologies</li> <li>* Artificial intelligence and robotics</li> <li>* Advanced computing and Big Data</li> <li>* Low carbon and clean industry</li> </ul>
Climate, Energy and Mobility	<ul style="list-style-type: none"> <li>* Climate science and solutions</li> <li>* Energy systems and grids</li> <li>* Communities and cities</li> <li>* Industrial competitiveness in transport</li> <li>* Smart mobility</li> </ul>	<ul style="list-style-type: none"> <li>* Energy supply</li> <li>* Buildings and industrial facilities in energy transition</li> <li>* Clean transport and mobility</li> <li>* Energy storage</li> </ul>
Food and Natural Resources	<ul style="list-style-type: none"> <li>* Environmental observation</li> <li>* Agriculture, forestry and rural areas</li> <li>* Food systems</li> <li>* Circular systems</li> </ul>	<ul style="list-style-type: none"> <li>* Biodiversity and natural capital</li> <li>* Sea and oceans</li> <li>* Bio-based innovation systems</li> </ul>

# Thank you!

Interested in GEO?

<https://www.earthobservations.org/index2.php>

Interested in EuroGEOSS?

<http://ec.europa.eu/research/eurogeoss>