



NextGEOSS project: A user-driven approach to build a Earth Observations Data Hub

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Several initiatives and projects contribute to support Group on Earth Observation's (GEO) global priorities including support to the UN 2030 Agenda for sustainable development, the Paris Agreement on climate change, and the Sendai Framework for Disaster Risk Reduction. Running until 2020, the NextGEOSS project evolves the European vision of a user driven GEOSS data exploitation for innovation and business, relying on the three main pillars:

- engaging communities of practice
- delivering technological advancements
- advocating the use of GEOSS

These 3 pillars support the creation and deployment of Earth observation based innovative research activities and commercial services.

In this presentation we will emphasize how the NextGEOSS project uses a pilot-driven approach to ramp up and consolidate the system in a pragmatic way, integrating the complexity of the existing global ecosystem, leveraging previous investments, adding new cloud technologies and resources and engaging the diverse communities to address all types of Sustainable Development Goals (SDGs).

A set of 10 initial pilots have been defined by the project partners to address the main challenges and include as soon as possible contributions to SDGs associated with Food Sustainability, Bio Diversity, Space and Security, Cold Regions, Air Pollutions, Disaster Risk Reduction, Territorial Planning, Energy. In 2018 and 2019 the project team will work on integrating external pilots first via a selective approach to support a smooth and efficient ramp up, then via two new series of Architecture Implementation Pilots (AIP-10 and AIP-11), opened world-wide, to increase discoverability, accessibility and usability of data with a strong User Centric approach for innovative GEOSS powered applications for multiple societal areas.

All initiatives with an interest in and need of Earth observations (data, processes, models, ...) are welcome to participate to these pilots initiatives.

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