Introduction to NextGEOSS: The Next Generation Data Hub For Earth Observations

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(Submission #306)

Abstract

The Group on Earth Observation embarked on the next 10 year phase with an ambition to streamline and further develop its achievements in building the Global Earth Observing System of Systems (GEOSS). Running from the end of 2016 until mid-2020, the NextGEOSS project evolves the European vision of GEOSS data exploitation for innovation and business, relying on the three main pillars of engaging communities, delivering technological developments and advocating the use of GEOSS, in order to support the creation and deployment of Earth observation based innovative research activities and commercial services. In this presentation we will present the NextGEOSS concept, a concept that revolves around providing the data and resources to the users communities, together with Cloud resources, seamlessly connected to provide an integrated ecosystem for supporting applications. A central component of NextGEOSS is the strong emphasis put on engaging the communities of providers and users, and bridging the space in between.

Scientists with an interest in and need of Earth observations are welcome to learn about the NextGEOSS project who is looking for pilot projects that the project team can work with to increase discoverability, accessibility and usability of data with a strong User Centric approach for innovative GEOSS powered applications for multiple societal areas.

Categories

Topic Area: *[2.8] Innovation and technologies for spatial data collection, processing and integration in spatial data infrastructures (for example; Galileo/EGNOSS, Copernicus data and services, sensor web, Internet of Things, Big Data analytics)*

Abstract Type: *Oral Presentation*