**The role of Research and Innovation in the EuroGEOSS regional initiative**

23 October 2017

08:00-10:30, Continental C Room

Washington, DC

**Abstract**: Europe needs a coordinated and comprehensive EO data exploitation initiative within the larger GEOSS landscape. To achieve that, the main action should be to increasing the coordination and pacification among the big European data producers in Europe and to ensure operalization of product delivery. But this cannot be only achieved by good will in the different actors but also by eliminating the current technical barriers that hampers this collaboration. This session will review the recent research and innovation achievements that have contributed to GEOSS (e.g. European Project results) and will discuss about some of the remaining issues that require further effort. Concrete bullet points to discuss are how to engage national in-situ Earth observation in a European Network of EO, the progress towards an integrated view for EO research infrastructures, the contribution of citizen science initiatives and the implementation of the standards contributing to the developing of the data management principles across Europe. The outcomes of this discussion will be input for the European GEO caucus.

**Agenda**

*This session will be inspired by three videos of 10 minutes. After each video, there will be a 20 minutes discussion on the Role of the European research in the European contribution to GEOSS.*

**Block 1: Combined use of cross-disciplinary datasets to showcase the power of GEOSS**

Video title: *Mapping the world’s most precious resource. Global Surface Water.*

Author: Alan Belward | TEDxVarese

URL: <https://www.youtube.com/watch?v=KqyKXUMPHg8>

Description: Alan Belward, an earth observation scientist at the Joint Research Centre in Ispra, Italy, explains, this is because water is a resource that changes and human activity affects this change, with the construction of dams, but also with climate change. Thanks to the Copernicus Programme, the European Commission, in collaboration with Google, has mapped surface water since 1984, creating a database of open source data, with the aim of providing the necessary tools for making policy choices that are not only based on facts. This talk was given at a TEDx event using the TED conference format but independently organized by a local community.

**Block 2: Knowledge extraction from GEOSS data to showcase the information made available for policy**

Video title: *The joy of Stats*

Author: Hans Rosling | BBC documentary

URL: <https://www.youtube.com/watch?v=jbkSRLYSojo>

Description: Documentary which takes viewers on a rollercoaster ride through the wonderful world of “statistics” to explore the remarkable power they have to change our understanding of the world, presented by Professor Hans Rosling, whose eye-opening, mind-expanding and funny online lectures have made him an international internet legend. This is a fragment of a BBC documentary showing the 200 years of history of 200 countries in 10 minutes.

**Block 3: Status and improve of open data and data management policies and principles in the European data providers infrastructures**

Video title: *Education of a Scientist*

Authors: Karen Hanson, Alisa Surkis and Karen Yacobucci | NYU Health Sciences Library

URL: <https://www.youtube.com/watch?v=N2zK3sAtr-4>

Description: A data management horror story by Karen Hanson, Alisa Surkis and Karen Yacobucci. This is what shouldn't happen when a researcher makes a data sharing request! Topics include storage, documentation, and file formats.