

A Knowledge Exchange Platform: Merging Science, Engineering, Business & Policy

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Delft, The Netherlands**

Florida Earth's US-Netherlands Connection's Professional Program (USNC Pro)

A Workshop to Develop a Knowledge Exchange Platform for the Earth Sciences

Researchers in the Earth sciences generate and analyze exponentially increasing volumes of data in support of both scientific advances and societal benefit. However, identifying relevant existing and new data assets, reorganizing their accessibility, and development of new on-line discovery tools remains challenging for multiple reasons: the sheer amount of data and users are increasing exponentially around the world; how to make these data interoperable, and the harmonization of informatics, to name a few. These challenges pose barriers to the efficient sharing of Earth science data which limit; the impact of research, innovation and development investments; solutions to decision-makers and/or efficient use of public funds. The development of a knowledge exchange platform that enables more efficient and effective international sharing of information of Earth Science data will reduce the barriers to data collaboration, and accelerate data-driven research and associated development efforts. Current Societies and Forums, such as the U.S.- based Earth Sciences Information Partnership (ESIP), the Earth System Grid Federation (ESGF), EarthCube, Research Data Alliance (RDA), and Earth science infrastructure such as the U.S. National Ecological Observatory Network (NEON), EU Open Cloud Initiative, represent different potential models for, or elements of, such a platform. Moreover, there is often a disconnect between researchers and those that can apply scientific results, such as, policy and decision-makers, natural resource managers, urban planners, and This workshop aims to change this paradigm by bringing together researchers and thought leaders that represent the diversity of these international efforts to scope the community needs and design principles of a knowledge exchange platform. To this end, three general objectives are :

- Introduce the various ongoing efforts to harmonize and make interoperable, Earth Science Data to our participants across diverse disciplines
- Explore the user-driven needs for Earth Science Data to inform how best can diverse communities interact and assist in the transformative nature of Earth Science Data
- Generate new communication forum to best reach management, decision-making and thought-leader communities in the application of Earth science data to address societal and ecological challenges

Agenda and registration at <http://floridaearth.org/usncpro2017> or call Florida Earth at (561) 281-5081

