



Earth Science Big Data Activities at Research Data Alliance

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In this presentation we introduce Earth science related activities of the Big Data Interest Group (BDIG) in Research Data Alliance (RDA). “RDA is an international organization focused on the development of infrastructure and community activities that reduce barriers to data sharing and exchange, and the acceleration of data driven innovation worldwide.” The participation of researchers in RDA is voluntary.

As the name implies, an Interest Group is a collection of participants sharing the same interest. The BDIG seeks to address community needs on all things having to do with Big Data. The ultimate goal of RDA Big Data Interest Group is to produce a set of recommendation documents to advise diverse research communities with respect to:

- How to select an appropriate Big Data solution for a particular science application to realize optimal value? and
- What are the best practices in dealing with various data and computing issues associated with such a solution?

The primary means to reaching such recommendations is through the establishment and work of Working Groups, each of which focuses on a specific issue.

Although BDIG is not specific to Earth science, its recent activities revolve mostly around it. We introduce some of these activities that are designed to advance our knowledge and to characterize Big Data in Earth science.