

## [NASA'S Support for the Big Earth Data Initiative \(BEDI\)](#) [1]

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### **Abstract:**

NASA and other US federal agencies currently hold thousands of satellite, airborne, and in-situ Earth Observation datasets. However, this data is sometimes difficult to discover, access, and use. Under the auspices of the White House Office of Science and Technology Policy (OSTP), the interagency Big Earth Data Initiative (BEDI) was established to address these issues. Specifically, BEDI is focusing on improving data and data system **interoperability** between agencies, federal earth observation data management practices, and, the **discoverability**, **accessibility** and **usability** of federally held Earth observation data.

NASA's ESDIS Project is working to support these efforts. Our strategy consists of focusing on implementing "enabling" capabilities rather than creating new data products as well as driving towards open, community driven standards for data formats, interfaces and protocols as the key to achieving interoperability. Our implementation work includes catalog and data discovery improvements, facilitating web services for direct data access, and implementation of targeted metadata and data services improvements at the DAACs.

### **Author(s):**

**Name:** [Stephan Klene](#) [3]

**Organization(s):** [Columbus Technologies and Service Inc.](#) [4]

**Name:** [Byron Peters](#) [5]

**Organization(s):** [Columbus Technologies and Service Inc.](#) [4]

**Name:** [Elli Pauli](#) [6]

**Organization(s):** [Columbus Technologies and Service Inc.](#) [4]

**Name:** [Jeff Walter](#) [7]

**Organization(s):** [NASA Goddard Space Flight Center](#) [8]

**Email:** [jeff.walter@nasa.gov](mailto:jeff.walter@nasa.gov) [9]

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