Earth System CoG Collaboration Environment

www.earthsystemcog.org

Connecting Projects in the Earth Sciences

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What is CoG?

The Earth System CoG Collaboration Environment supports collaborative Earth science research and product development in virtual organizations comprised of multiple projects and communities. It provides data, metadata, and visualization services along with tools for collaboration, and can be used to host individual projects or to profile projects hosted elsewhere.

Key CoG Features

Collaborative Project Workspaces

Create project workspaces, link them to other projects, edit wiki pages, send project news.

Project Governance

Governance information includes information about management bodies, organizational structure, collaboration, and governance. Governance information can be consolidated across a project’s network.

Data Services

Search and browse data on an integrated Earth System Grid Federation (ESGF) data archive. Combine and access data with its descriptions and discoverability.

Metadata Services

Stabilize, discover, display, and compare Earth system modeling metadata.

Motivation

CoG seeks to examine the organizational characteristics of community science and collaborate projects and to incorporate structures and processes that facilitate efficient governance and operations.

The CoG team is developing a web-based collaboration environment as a way to address the challenges facing this project.

This environment targets projects that are involved with the generation, management, and analysis of scientific data.

Governance Information

Governance information is linked via the upper navigation bar in CoG. Governance information is entered in via web forms.

Data Search

Search for data in the Earth System Grid Federation (ESGF) using the data search form. The form allows you to filter by project, data type, dataset, science, and various other criteria.

News

The user can determine which projects to send news to (e.g., this project, all child projects, or just selected projects).

Metadata Services

The ESGF metadata entry form collects standardized Common Information Model (CIM) metadata to support high-quality, consistent, and interoperable data. The data is saved as an XML file and uploaded to a community CIM repository.

Partners

The ESGF CIM metadata browser is a lightweight, user-friendly tool that will display any CIM record.