

Data Commons for Discovery

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What is the OCC?

The Open Commons Consortium (OCC) is a 501(c)3 not-for-profit that manages and operates cloud computing and data commons infrastructure to support scientific, medical, health care and environmental research. OCC members span the globe and include over 30 universities, companies, government agencies and national laboratories.

What is a Data Commons?

Data commons co-locate data, storage and computing infrastructure, and commonly used tools for analyzing and sharing data to create a resource for the research community.

The OCC Mission

- Manage storage and data commons infrastructure, such as the Open Science Data Cloud Public Data Commons, the NOAA Data Commons, and the Biomedical Data Commons. Provide index, metadata, transfer and other value services supporting data commons activities.
- Manage cloud computing infrastructure, such as the Open Science Data Cloud, to support scientific, environmental, medical and health care research.
- Manage cloud computing testbeds, such as the Open Cloud Testbed, to improve cloud computing software and services.
- Develop reference implementations, benchmarks and standards to improve the state of the art of cloud computing and data commons.
- Sponsor workshops and other events related to cloud computing and data commons to educate the community.

OCC Working Groups

Working groups support the interest and activities of OCC members. OCC Members currently participate in the following working groups:

- **Open Science Data Cloud (OSDC)** – A PB scale science cloud for research.
- **NOAA Data Alliance** – Redistributing NOAA data in a commons environment.
- **Project Matsu** - A data commons for NASA's EO-1 satellite.
- **Biomedical Data Commons (BDC)** – A data commons for biomedical data that spans organizations.
- **The OCC Testbed** – A geographically distributed 10 and 100Gbps testbed.

For more information or to learn about how your organization can become a member:
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