

Globus Research Data Management Service

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DESCRIPTION

The Globus research data management service (<https://globus.org>), operated by the University of Chicago for the global research community, supports the rapid, reliable, and secure transfer and sharing of research data within and among institutions. With more than 140,000 registered users and 10,000 active endpoints worldwide, it is essential science infrastructure for many institutions and in many fields.

This BOF will provide an opportunity for attendees to learn about the latest Globus features, hear from operators of research infrastructure and research networks about how Globus is used in research, and engage in a conversation about research data management more broadly.

Format: 60 minutes BOF

The BOF will be organized as three brief presentations followed by a facilitated conversation. Foster will introduce Globus and highlight new features, including access to file sharing, cloud storage, protected data management, and data automation [1]. Jones will describe how Globus is used within the New Zealand eScience Infrastructure. Rosolen will describe how Globus works with science DMZs [2] to streamline the use of high-speed networks for research data sharing. A facilitated conversation with the audience will be used to elicit needs within the Australian context for improved research data management.

REFERENCES

1. Chard K, et al. (2017) The Modern Research Data Portal: A design pattern for networked, data-intensive science. Peer cs-144, <https://peerj.com/articles/cs-144/> and <https://docs.globus.org/mrdp/>.
2. Dart E, et al. (2014) "The Science DMZ: A network design pattern for data-intensive science. Scientific Programming 22(2):173-185.