

DataCite and GREI

The GREI repositories register DOIs and associated metadata through DataCite, a global community focused on ensuring research outputs and resources are openly available and connected so that their reuse can advance knowledge. Through alignment with the DataCite metadata schema, the GREI repositories register consistent metadata, enabling connectivity of datasets with other digital objects such as articles, researchers, research organizations, grants and funders. In collaboration with the Make Data Count initiative, a set of open metrics are being developed to enable the evaluation of research data reuse and impact



The long-term vision for GREI is to develop collaborative approaches for data management and sharing through inclusion of the generalist repositories in the NIH data ecosystem. GREI also aims to better enable search and discovery of NIH-funded data in the generalist repositories.



Vision

The vision is to develop collaborative approaches for data management and sharing through inclusion of the generalist repositories in the NIH Data ecosystem and better enable search and discovery of NIH funded data in the generalist repositories.

Mission

To establish a common set of capabilities, services, metrics, and social infrastructure; raise general awareness and and facilitate of FAIR principles



A collaboration between:



Seven established generalist repositories working together to establish consistent metadata, develop use cases for data sharing, train and educate researchers on FAIR data and the importance of sharing, and more.



GREI Zenodo Community

Outcomes

GREI is built on a unique cooperation model in which the participating repositories work both in collaboration and individually to support the GREI objectives.

Together, the repositories are establishing cross repository standards to support improved search and discovery of NIH-funded research data and conducting outreach to the NIH research community.

Individually, NIH is supporting each of the seven participating repositories in developing their infrastructures to best meet the NIH Desirable Characteristics for Repositories and the requirements of the updated Data Management and Sharing Policy for NIH-funded research.

Follow the QR codes to explore GREI resources, including the GREI Zenodo community featuring the published collaborative outputs of GREI, a calendar of GREI-related events, and the GREI blog.



Calendar of Events



GREI Blog

Goals



1 Make it easier for researchers to **share data**.



2 Enable the improved **discoverability** of NIH-funded data across generalist repositories.



3 Support greater **reproducibility** of NIH-funded research by ensuring data associated with publications is readily available.



4 **Avoid duplication** of the data across repositories.



5 Encourage NIH-funded researchers to be both contributors and consumers to **increase the reuse** of data

Objectives

Align with Desirable Characteristics for Data Repositories

Implement browse & search for NIH funded data

Develop consistent metadata models

Conduct limited Q/AC of the NIH funded data

Enable connectivity of digital objects

Use case support, including cross repository use cases

Implement open metrics

Develop educational materials

Conduct broad outreach (workshops)

Commit to “Co-opetition”

Openly share software & work products developed under the award