

THE GENERALIST REPOSITORY ECOSYSTEM INITIATIVE

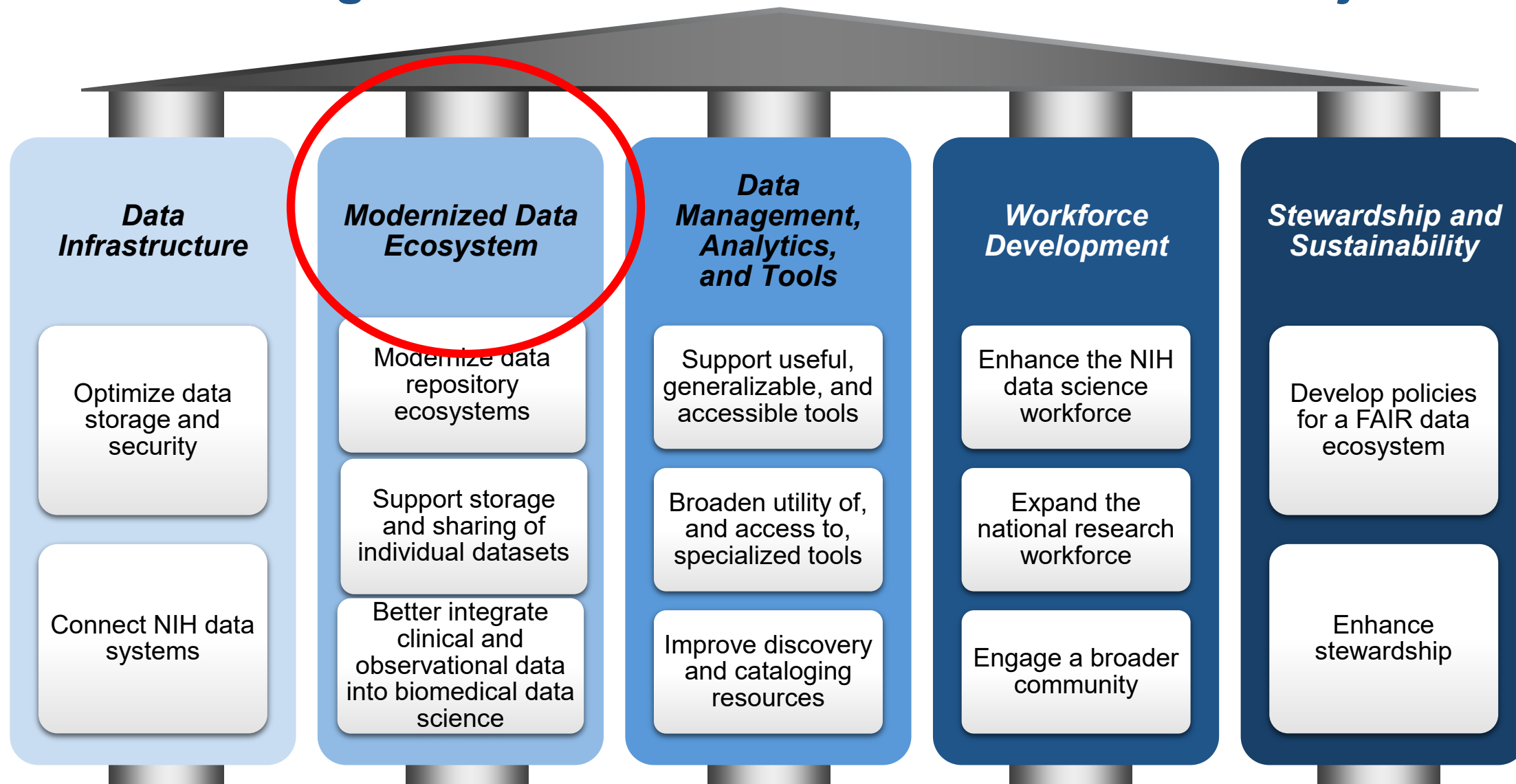
NIDDK Data Management & Sharing Webinar 2: Finding a
Repository for your Data

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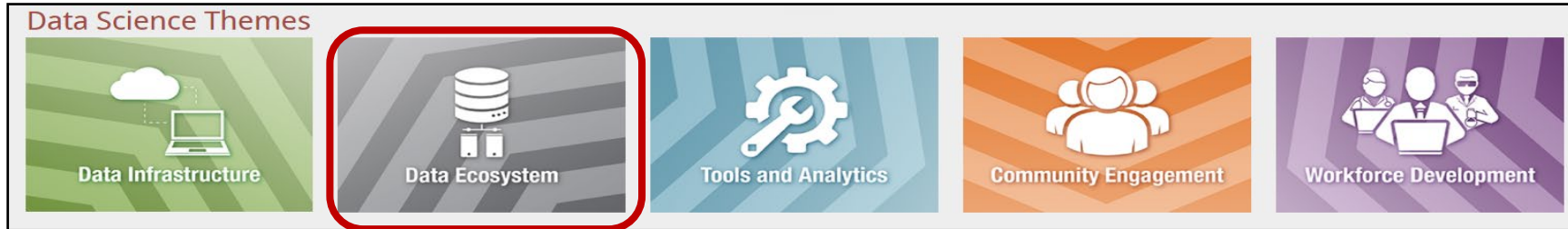
May 31, 2023



The NIH Strategic Plan for Data Science – Goals and Objectives



Why Modernize the NIH Data Ecosystem?

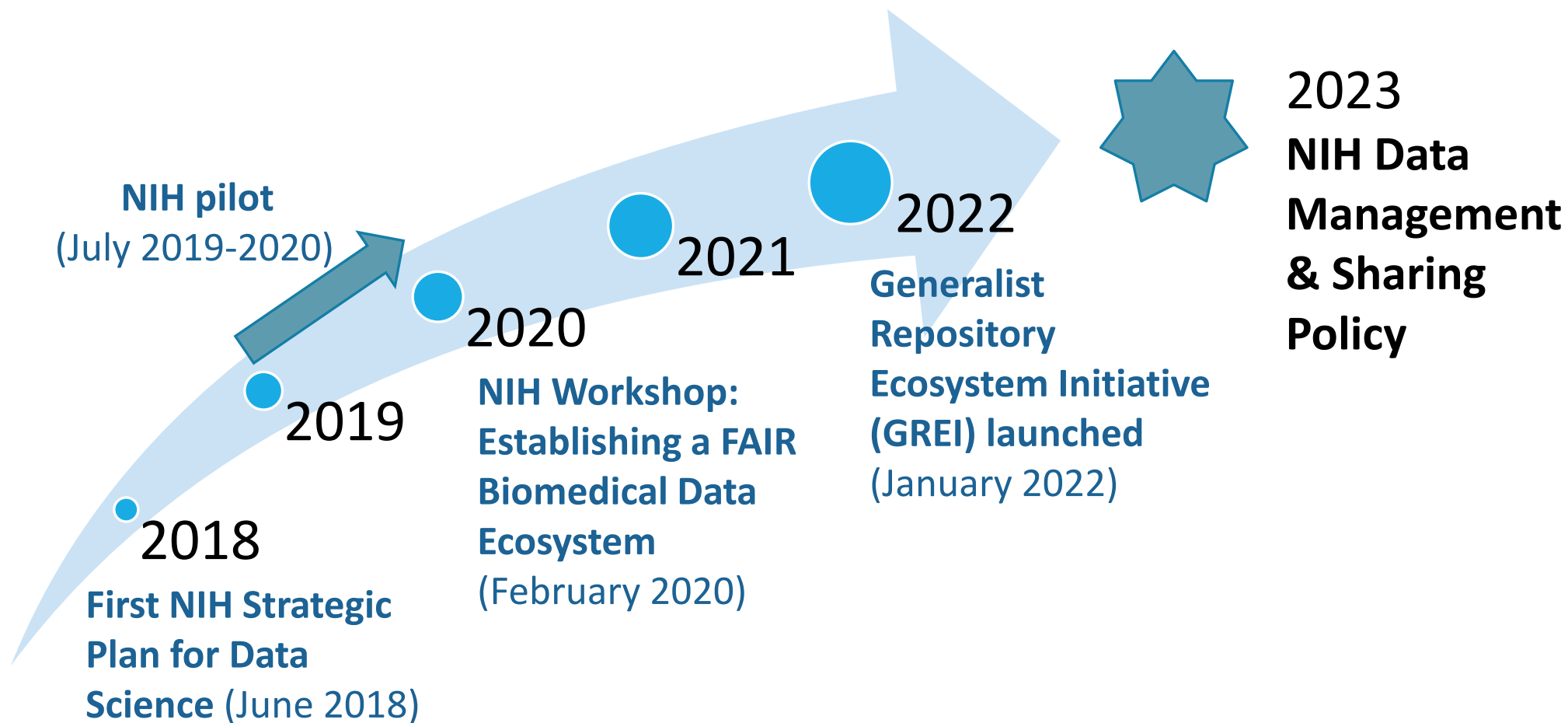


- Reduce or eliminate silos
- Optimize costs for managing data
- Disentangle resources from research projects
- Allow for better sharing, discovery, and (re)use of data

Support the 2023 NIH Data Management and Sharing Policy

Modernizing the Data Ecosystem

Timeline of NIH Generalist Repository Activities





Vision

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

- The primary mission is to establish a *common set of cohesive and consistent capabilities, services, metrics, and social infrastructure* across various generalist repositories.
- A secondary mission is to raise general awareness and facilitate researchers to *adopt FAIR principles* to better share and reuse data.



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generalist repository
ecosystem initiative

Awardees

Generalist Repository	Website
 The Dataverse Project	https://dataverse.org
 DRYAD	https://datadryad.org
 figshare	https://figshare.com
 MENDELEY DATA	https://data.mendeley.com
 OSF (Open Science Framework)	https://osf.io
 Vivli <small>CENTER FOR GLOBAL CLINICAL RESEARCH DATA</small>	https://vivli.org
 zenodo	https://zenodo.org

Solicit applications from generalist repositories to work together:

Expected Outcomes & Impact



Implement consistent capabilities (NOT-OD-21-016)



Create better access to & discovery of NIH funded data



Conduct outreach & train on FAIR data practices



Engage the research community



Make data sharing easier



Improve discoverability



Increase reproducibility of research



Encourage secondary use of data



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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
(x-repository use
cases)

Implement open
metrics

Develop
educational
materials

Conduct broad
outreach
(workshops)

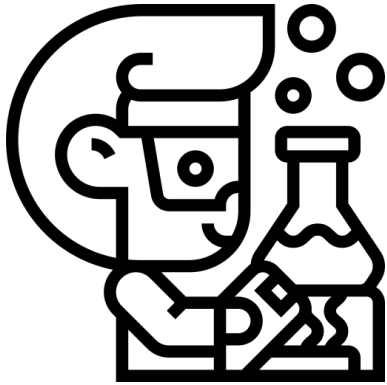
Commit to
“Co-opetition”

Openly share software & work products developed under the award



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Use Cases



As a *researcher*, I want to find research data of interest so that I can validate findings, reuse data, and build on work within my discipline.

As an *NIH-funded researcher*, I want to use *<repository>* to share my data, so that I can comply with my data management and sharing plan and the conditions of my grant.





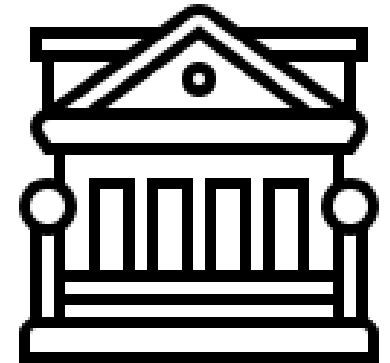
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Use Cases



As a *funder* from a specific NIH institute or in general, find datasets funded to report on compliance with policies, and track impact of research funding and usage of data.

As an *institution*, report on all datasets from my institution, to ensure compliance of research data sharing and management plan commitments by our researchers.





Resources

Website: <http://bit.ly/NIH-GREI>

Calendar of Events

Event Recordings

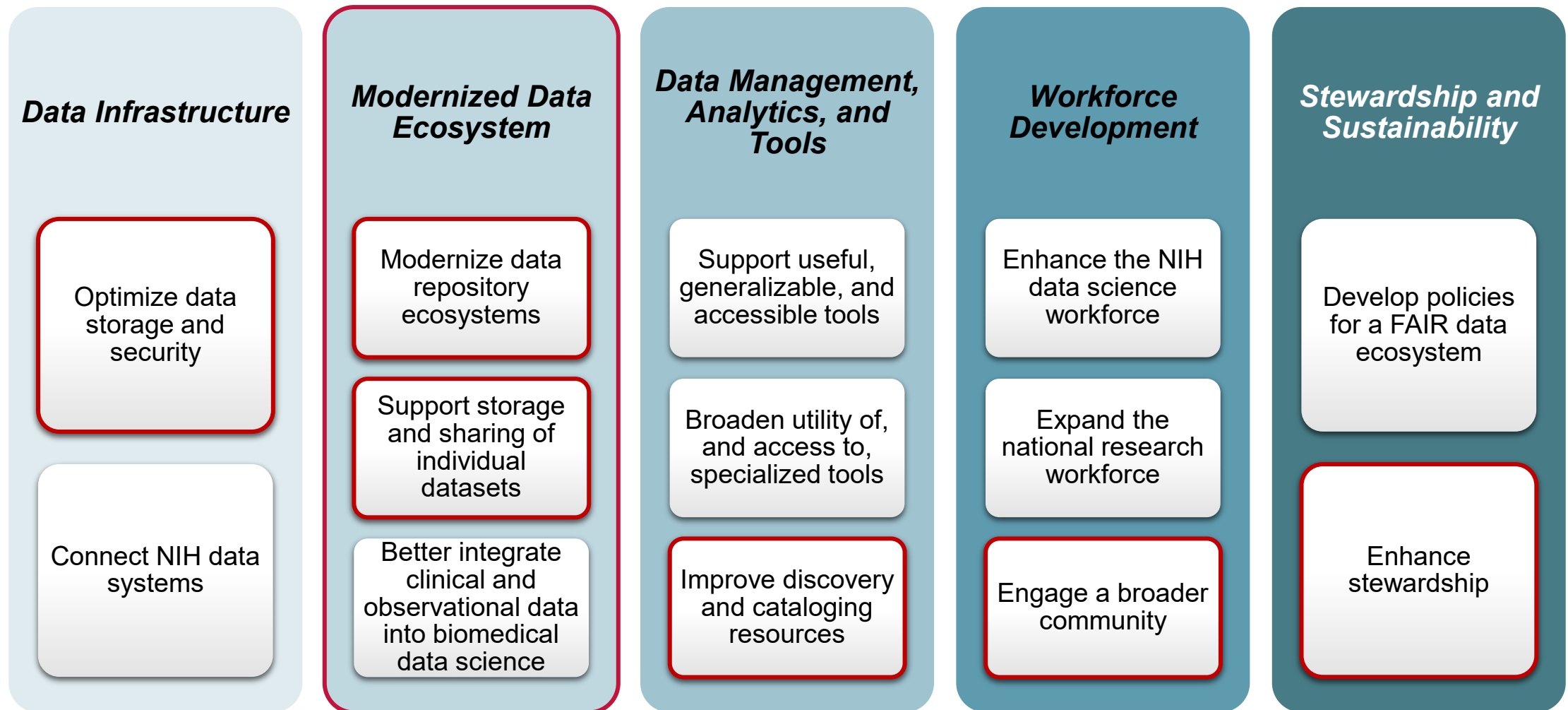
Zenodo Community



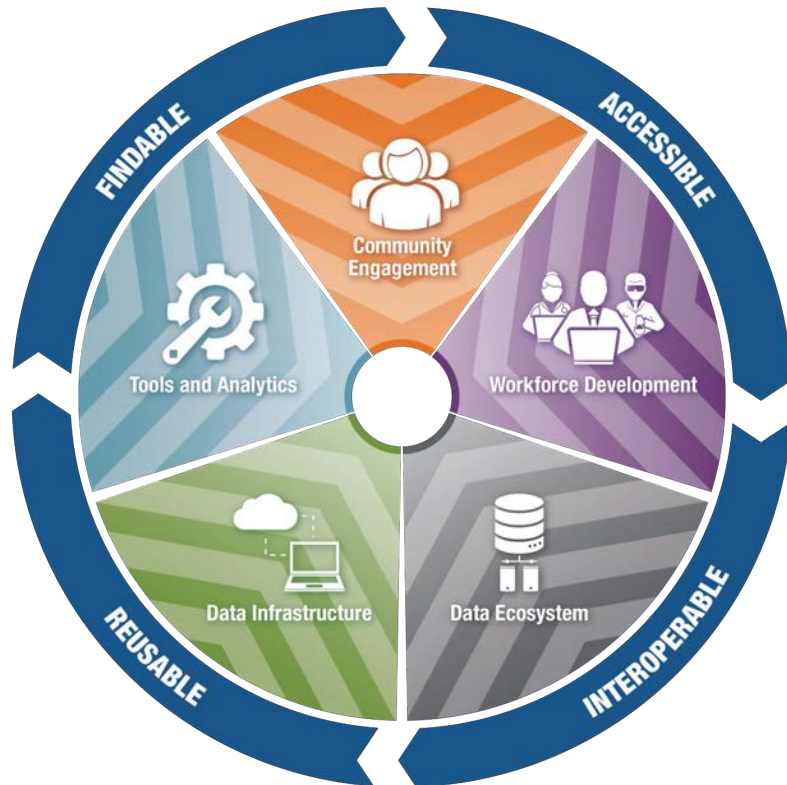
Join the community: contactgrei@googlegroups.com



NIH Strategic Plan for Data Science: Goals and Objectives



www.datascience.nih.gov



@NIHDataScience



/showcase/nih-office-of-data-science-strategy

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