Data Sharing Requirements: Balancing Expectations, Compliance, and Support

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Public Access Plans: A Look at Data Side

- Data policies still emerging and in development

- Potential for additional compliance burden

- Opportunity to harmonize requirements

Public Access Plans
"How to share data"

- Deposit in publicly accessible repositories
  - Institutional repositories or commercial options
  - Prefer federal repositories, existing or to be established
  - Deposit with publication as supplemental information or in publications repository
  - Central or cloud repository options
  - Repository vetting criteria or approved repository list
- Add to current or future agency managed data catalogues
- Deposit data in machine readable format, require descriptions and links to publication, define levels of access, etc.
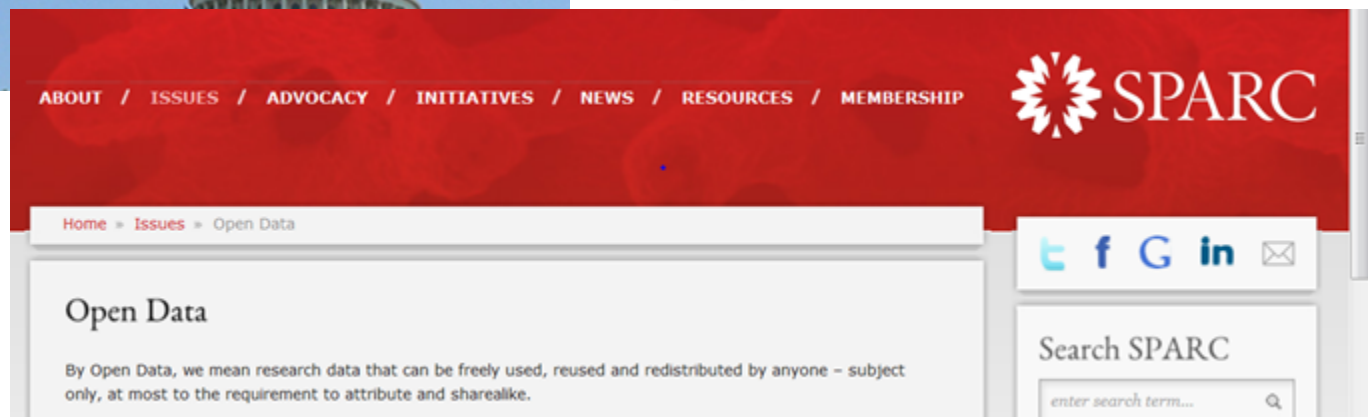- Deposit time (upon publication, within 12 months, 30 months, etc.)

…"at no more than incremental cost"… evaluate cost/benefit

Data Sharing Costs

- More involved data management plan preparation
- Reporting through multiple systems with divergent compliance monitoring approaches
- Determining what data should be shared? Underlying a publication? Full study/project? Raw data? Code?
- Work needed to preparing the data for sharing e.g. de-identifying human subjects data (if even possible)
- Time to prepare metadata, consider licensing, understand and complete deposit process
- Administrative tracking of data deposit, terms of deposit, repository assurances
- And more…

What can libraries do?
In community

Retrieved from: Council on Government Relations <http://www.cogr.edu/> [Accessed 04 January 2016]. Research Data Alliance <https://rd-alliance.org/groups> [Accessed 04 January 2016]. SPARC <http://www.sparc.arl.org/issues/open-data > [Accessed 04 January 2016].
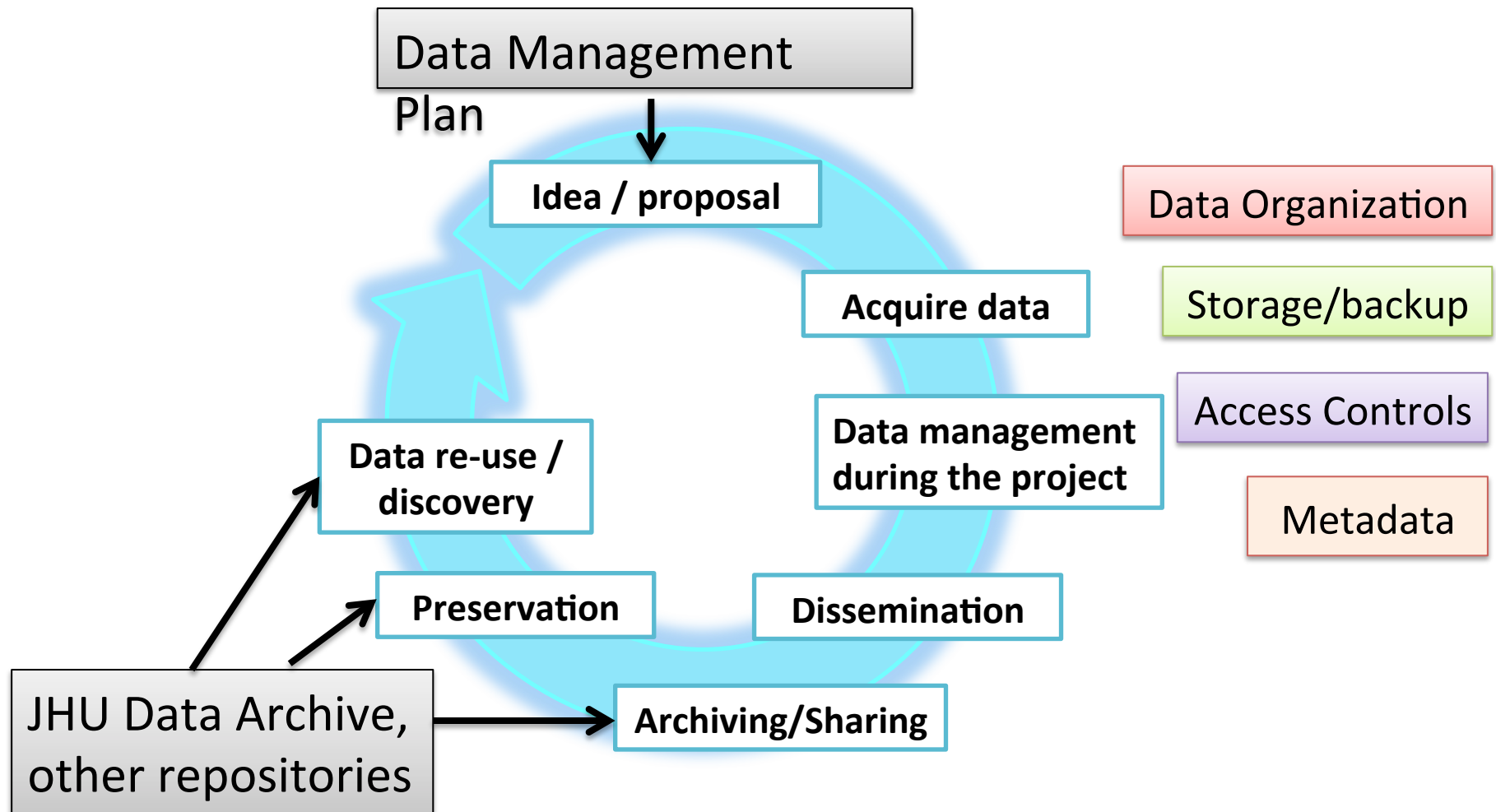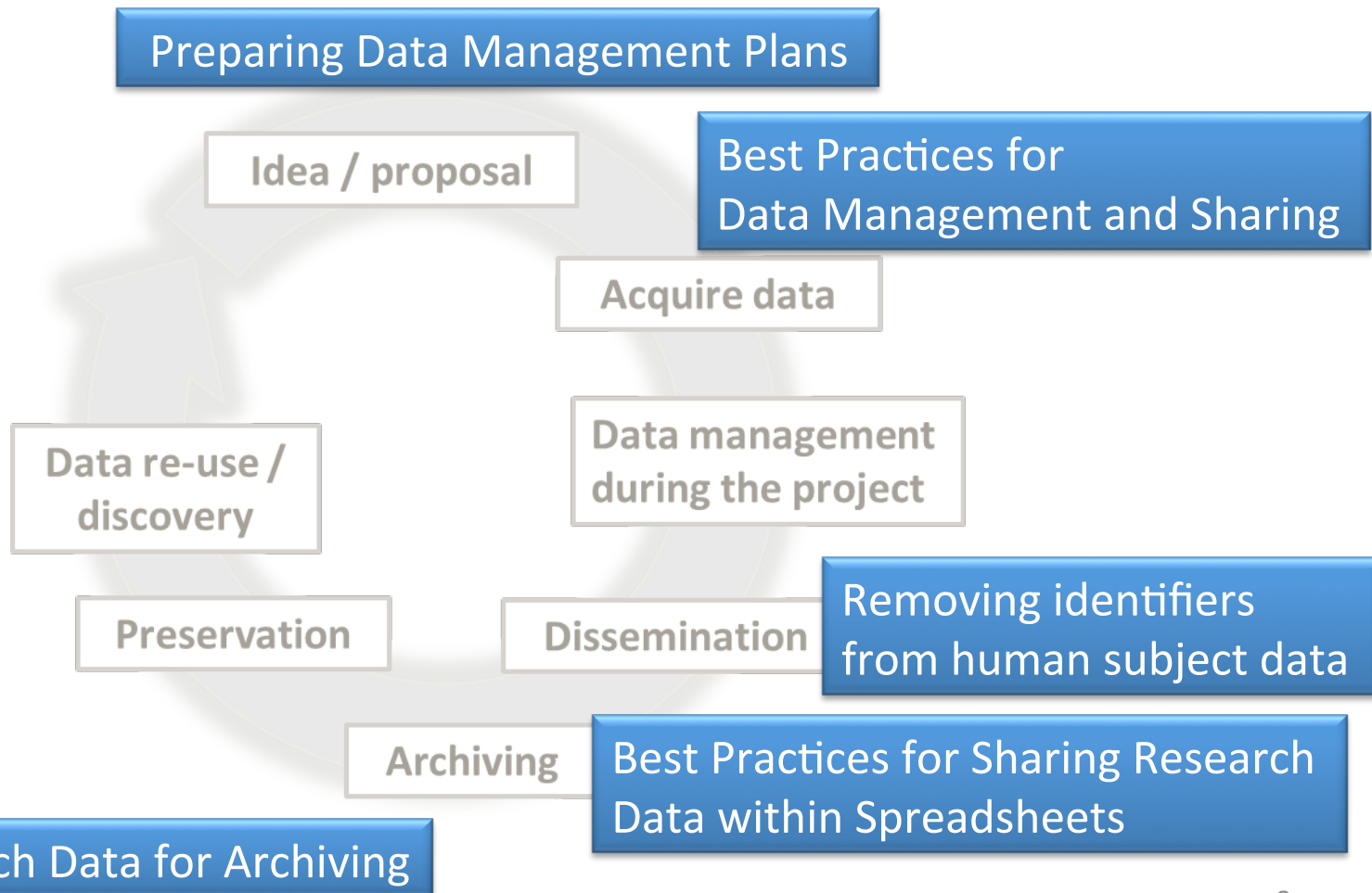
What can libraries do?
At home

Support culture change (understand motivators)

- Influence policy develop at the institution
- Identify/grow data management/sharing compliance and support services
  - Partner (Research Administration, IT, etc.)
  - Focus on adding value in scoped areas of expertise
  - Start preparing for next wave of requirements

Research Data Lifecycle

Data Management Plan

Idea / proposal

Acquire data

Data management during the project

Dissemination

Archiving/Sharing

Preservation

Data re-use / discovery

JHU Data Archive, other repositories

Data Organization

Storage/backup

Access Controls

Metadata

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JHUDMS Services

Preparing Data Management Plans

Idea / proposal

**Best Practices for
Data Management and Sharing**

Acquire data

Data management
during the project

Data re-use /
discovery

Preservation

Dissemination

**Removing identifiers
from human subject data**

Archiving

**Best Practices for Sharing Research
Data within Spreadsheets**

Preparing Research Data for Archiving

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Research Data Sharing

Objectives Surfaced in Public Access Plans

Questions/Comments/Ideas?

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