



Welcome to the 2013 Membership Meeting

William Michener
Chair, Board of Directors
Dryad



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Program



- 09:00-10:15 Introductions
- 09:15-10:45 Current status and future plans for the Dryad Digital Repository
- 10:45-12:15 Dryad the nonprofit organization: Governance and sustainability
- 12:15-13:15 Lunch
- 13:15-15:30 Emerging Issues Forum
 - Marianne Bamkin of [JoRD](#) – Model journal policies and implementation
 - Jonathan Tedds of [PREPARDE](#) - Review of data associated with publications
 - Simon Hodson of [JISC](#) – The use of grant funds for data archiving costs
 - Sarah Callaghan of the [CODATA-ICSTI Task Group on Data Citation](#) - Data citation principles
 - Martin Fenner of [PLOS ALM](#) – Tracking data usage and impact
 - Eefke Smit of [STM](#) – The how and why of repository certification
 - Susanna Assunta-Sansone of [ISA](#) and [BioSharing](#) - Helping researchers to collect, curate, analyse, share and publish data
 - Bill Michener of [DataONE](#) – Relevance of the DataNet program to Dryad
- 15:30-16:30 Membership business
- 17:00-18:00 Board of Directors Meeting (closed)



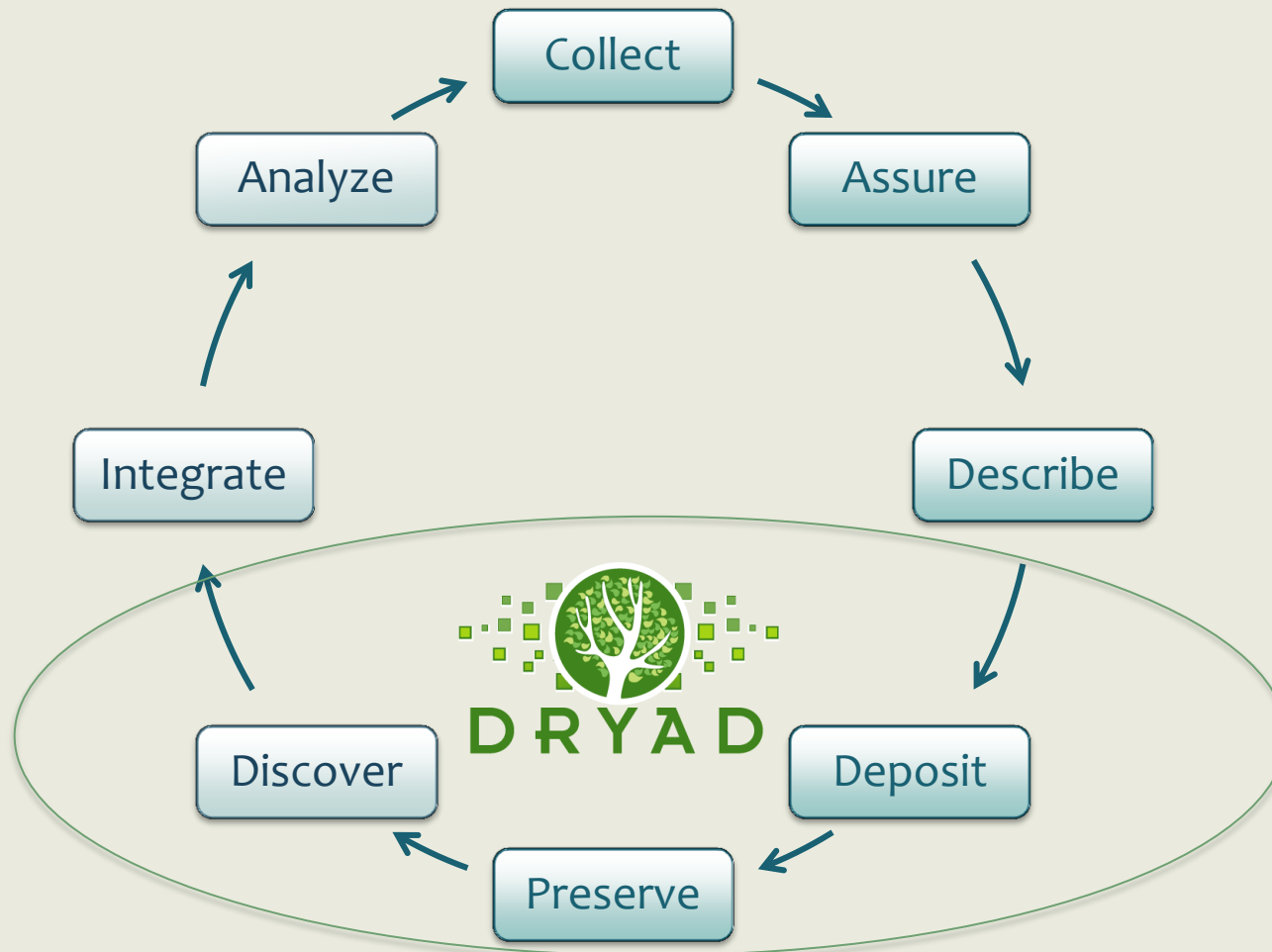
- The End
 - For data archiving and reuse to be a standard part of scholarly communication
- The Means
 - Work with journals to **make it easy to archive data** prior to publication
 - **Reduce barriers** to data reuse
 - Encourage researchers to compete for greater **reuse** of their data
 - Empower journals, societies & publishers in **shared governance**
 - Make **sustainability** and **long-term preservation** a priority

Startup funding provided by:

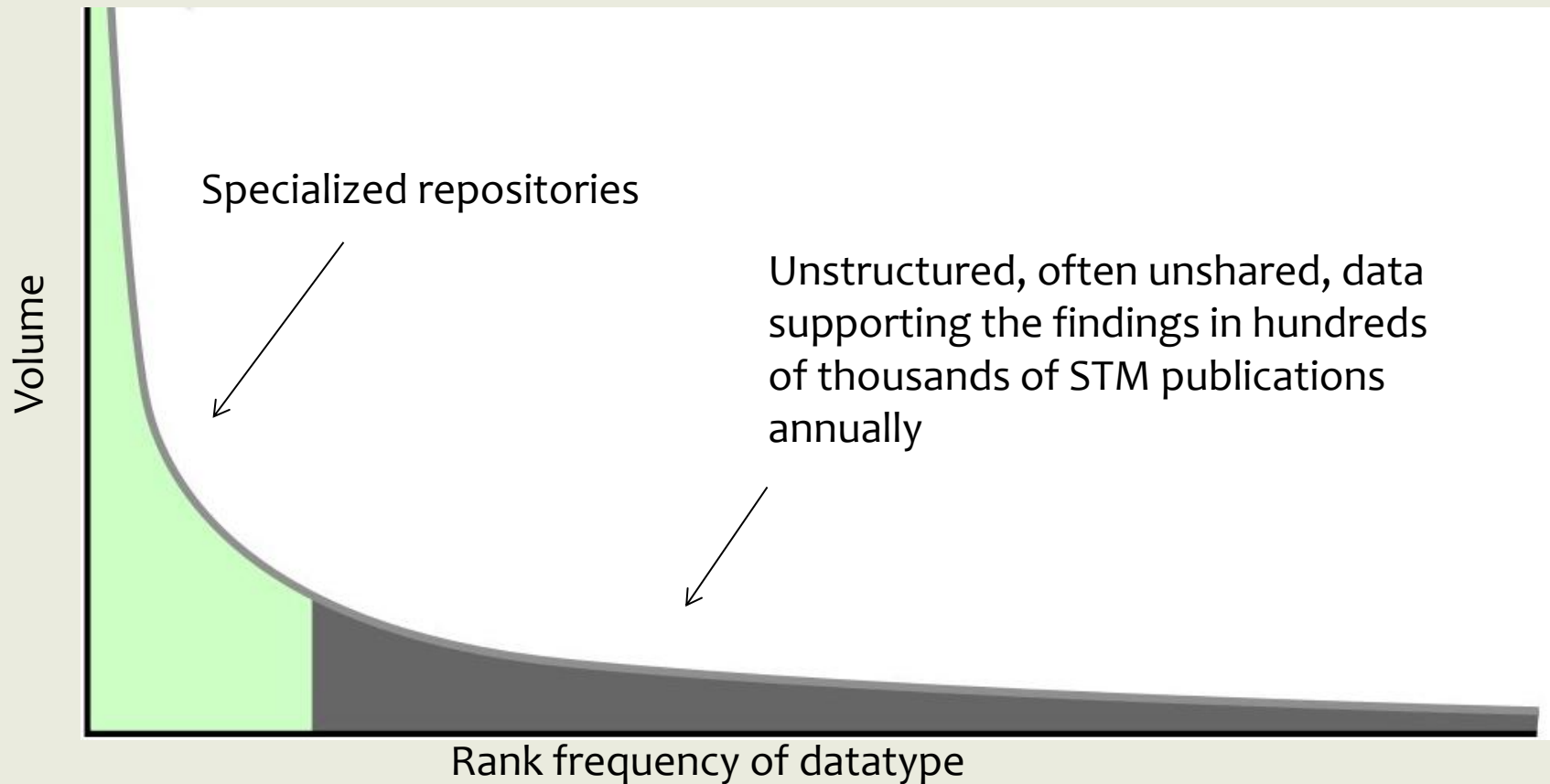


JISC

Where Dryad fits into the data lifecycle



The long tail of mainstream science data



after B. Heidorn

Joint Data Archiving Policy (JDAP)



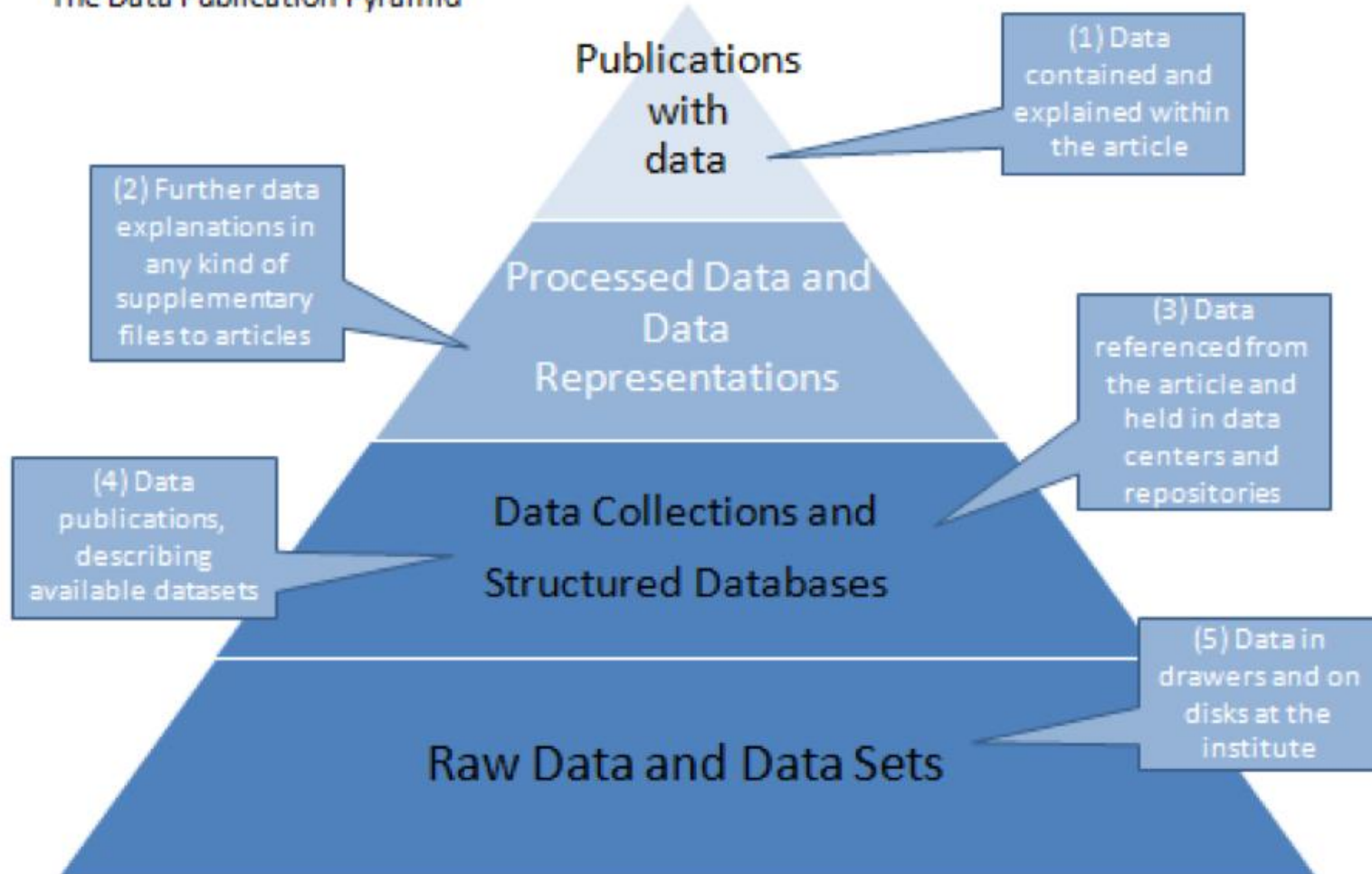
- **Data are important products** of the scientific enterprise, and they should be **preserved and usable** for decades in the future.
- As a condition for publication, data supporting the results in the article should be **deposited in an appropriate public archive**.
- Authors may elect to **embargo** access to the data for a period up to a year after publication.
- **Exceptions** may be granted at the discretion of the editor, especially for sensitive information.

Whitlock, M. C., M. A. McPeck, M. D. Rausher, L. Rieseberg, and A. J. Moore. 2010. Data Archiving. *American Naturalist*. 175(2):145-146.

The data publication pyramid



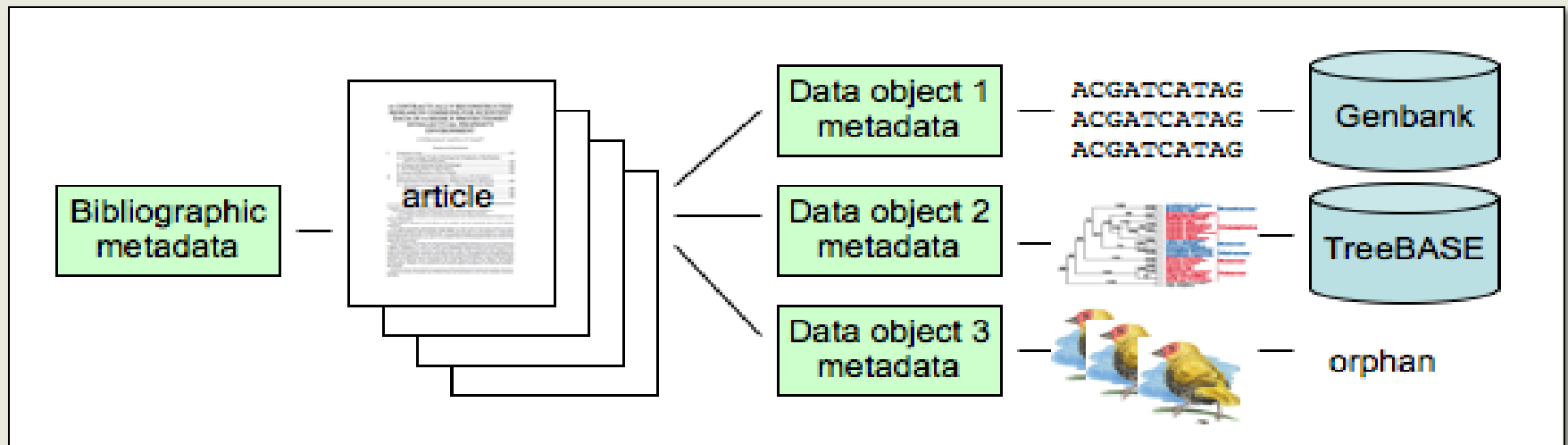
The Data Publication Pyramid



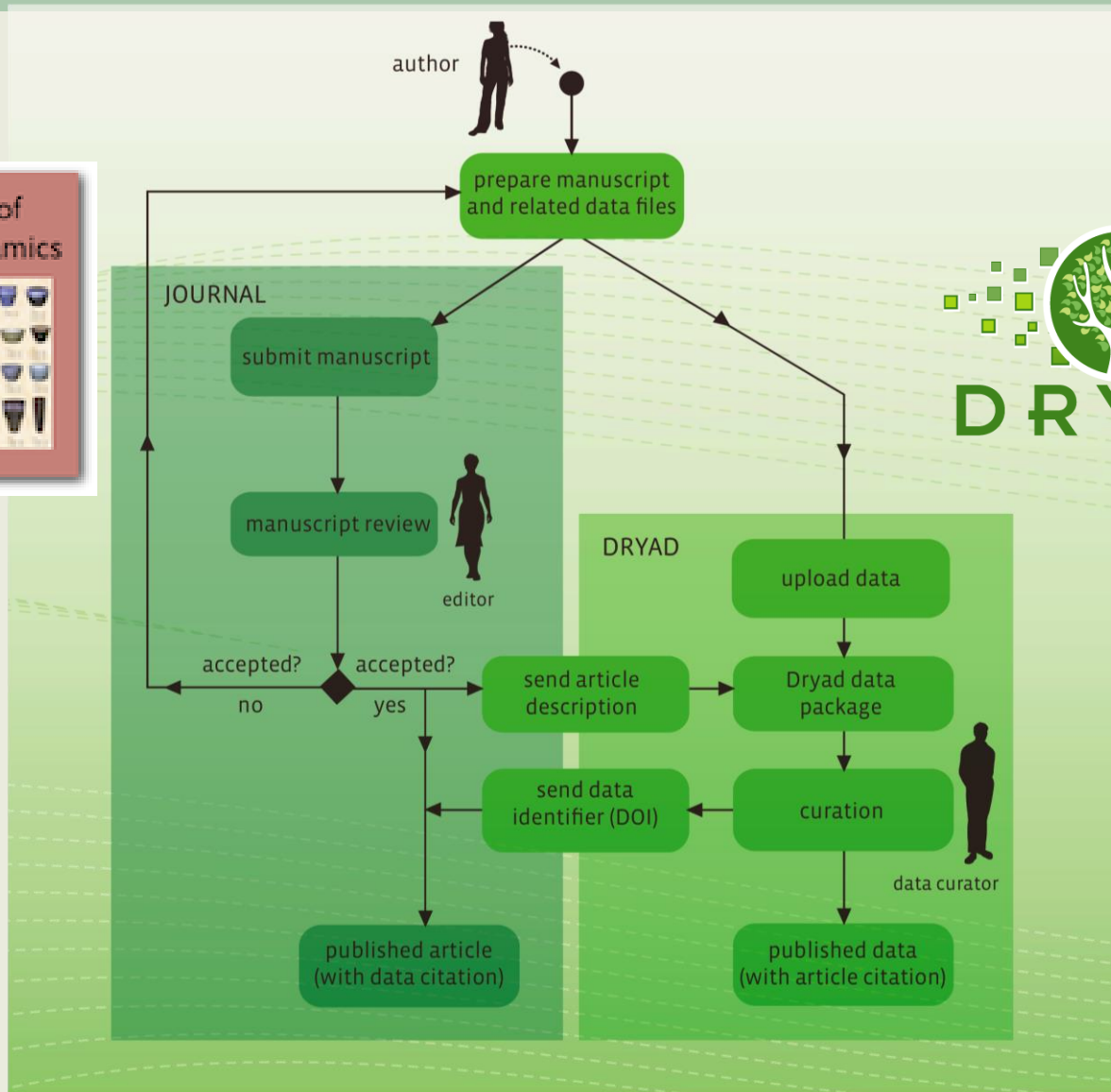
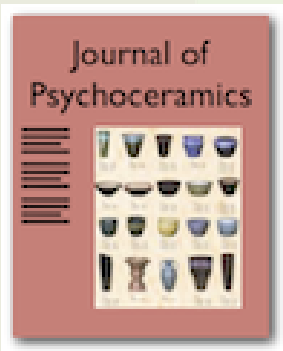
Enabling distributed research objects



- Publisher hosted content
- Structured data at one or more repositories
- Unstructured data at Dryad
- Other artifacts at their appropriate homes



Submission integration



Promoting data citations



Article

Wu D, Wu M, Halpern A, Rusch DB, Yooseph S, Frazier M, Venter JC, Eisen JA (2011) Stalking the fourth domain in metagenomic data: searching for, discovering, and interpreting novel, deep branches in phylogenetic trees of phylogenetic marker genes. PLoS ONE 6(3): e18011.

[doi:10.1371/journal.pone.0018011](https://doi.org/10.1371/journal.pone.0018011)

Dryad data package

Wu D, Wu M, Halpern A, Rusch DB, Yooseph S, Frazier M, Venter JC, Eisen JA (2011) Data from: Stalking the fourth domain in metagenomic data: searching for, discovering, and interpreting novel, deep branches in phylogenetic trees of phylogenetic marker genes. Dryad Digital

Repository. [doi:10.5061/dryad.8384](https://doi.org/10.5061/dryad.8384)

Dryad vs. Supplementary materials

	Dryad	SOM
Discoverable: indexed and exposed to both web and bibliographic search engines	✓	✗
Identifiable: DataCite DOIs within articles serve as permanent, resolvable identifiers	✓	✓/✗
Attributable: reuse of data leads to article citations (future: ORCIDs)	✓	✓
Permanent: replication and integrity checking, format migration, archiving at CLOCKSS	✓	?
Curated: quality control of data submissions and indexing metadata	✓	✓/✗
Ease of deposit: through submission integration, allowance for large and complex datasets	✓/✗	✓/✗
Formatted for reuse: support for non-PDF file formats	✓	✓/✗
Updatable: new versions of data files can be added, metadata can be enhanced	✓	✗
Support for embargoes: can delay release of data in accordance with journal policy	✓	?
Free reuse: no paywall, clear terms of reuse	✓	?
Economy of scale: cost efficiency from shared infrastructure	✓	✓/✗
Responsive to needs of individual journals: e.g. data review and other features	✓	✓
Core business: aligned with organizational mission	✓	✓/✗

Governance



- Membership-based nonprofit organization
 - with a rotating and elected Board of Directors
- Inclusive of a diversity of stakeholders
 - Researchers and scientific societies
 - Journals and publishers
 - Research institutions
 - Research libraries
 - Research funders



- <http://datadryad.org>
- <http://blog.datadryad.org>
- <http://datadryad.org/wiki>
- <http://code.google.com/p/dryad>
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