

Why good code is not enough; getting the data license right

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Data dissemination to support reproducibility

“In addition to the common building blocks of reproducibility, data licensing, ownership and sharing policies/tools are fundamental to repro methods”

1. How do licenses that researchers sign impact data availability and reuse?
2. What restrictions do your universities put on the creation and sharing of data?
3. What systems and strategies exist to make data available and how can we use those for the most impact?

Data acquisition program (UCB)



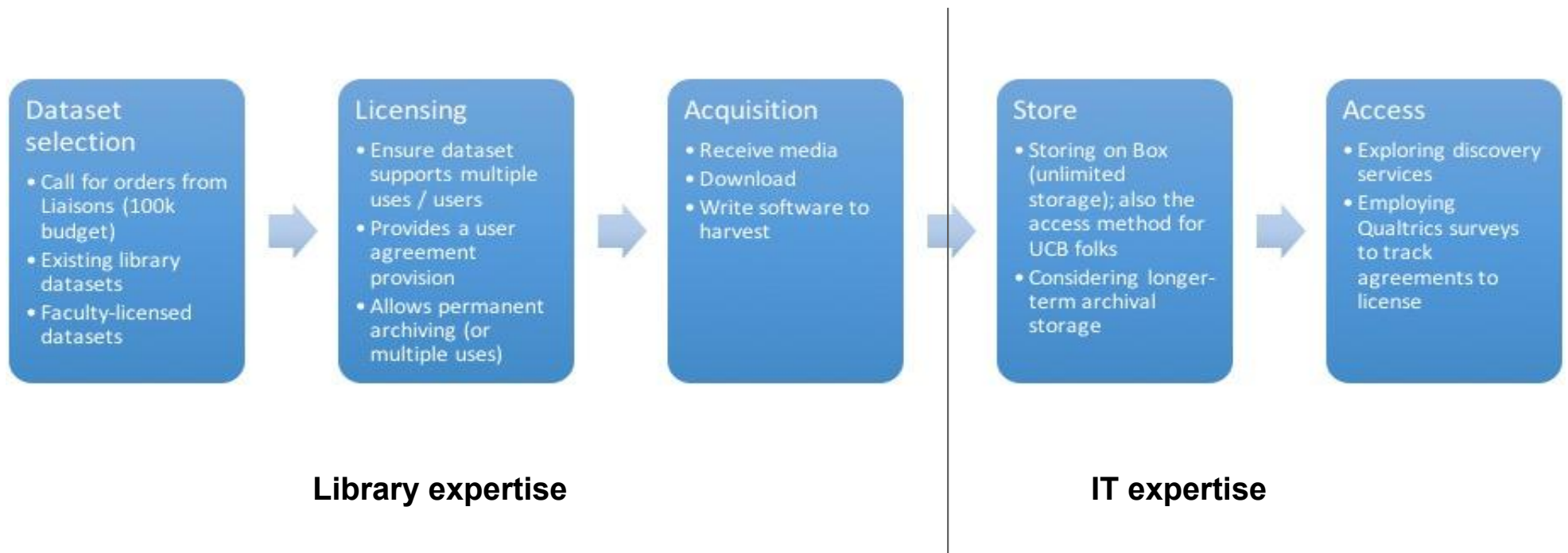
A partnership between the library and D-Lab to acquire and make available licensed or otherwise restricted research data

A framework for licensing, aggregating or otherwise acquiring data leveraging the collection development strength of the library and the storage and auditing strength of the D-Lab

A campus-wide effort that we hope will eventually include connections to HPC, active data storage and RDM

<http://guides.lib.berkeley.edu/data>

Data acquisition program process



Data ownership

UCB:

Data submitted to UC Dash are released under the terms of the [Creative Commons Attribution license](#) (CC-BY-4.0). This means anyone can access the datasets, download them, and use them provided they give proper attribution.

NYU Retention of and Access to Data Policy

<https://www.nyu.edu/about/policies-guidelines-compliance/policies-and-guidelines/retention-of-and-access-to-research-data.html>

UW Research Data Memorandum <https://www.washington.edu/research/osp/gim/gim37.html>

Data publishing tools for access and reproducibility

How do these tools work together and what impact do they have on enabling or serving as a barrier to access and reproducibility?

Profiles

ORCID – <http://orcid.org/0000-0001-8302-1138>

GitHub – <https://github.com/sr320>

Google Scholar – <http://scholar.google.com/citations?hl=en&user=aAoYWWUAAAAJ>

FigShare – http://figshare.com/authors/Steven_Roberts/97086

ImpactStory – <https://impactstory.org/u/0000-0001-8302-1138>

Scopus – <http://www.scopus.com/authid/detail.url?authorId=55366464800>

SlideShare – <http://www.slideshare.net/sr320/presentations>

Mendeley – <http://www.mendeley.com/profiles/steven-roberts1/>

Microsoft Academic Search – <http://academic.research.microsoft.com/Author/4579019/steven-b-roberts>

Frontiers – <http://community.frontiersin.org/people/StevenRoberts/43641>

ResearchGate – http://www.researchgate.net/profile/Steven_Roberts6

Publons – <https://publons.com/author/13038/steven-roberts>

From Steven Roberts GitHub page: <https://github.com/sr320/LabDocs/blob/master/web/ROS-profile.md>

Data publishing solutions @ UW, NYU, UCB

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Anesthesiology, Department of [25]

Anthropology, Department of [1994]

Applied Mathematics, Department of [9]

Applied Physics Laboratory [4]

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Brenner, William J. (135)

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Magmatic activity and plate motion during the latent stage of Midcontinent Rift development

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Citation Swanson-Hyssel, Nicholas; Burgess, Seth; Maloof, Adam; Bowling, Samuel (2015): Magmatic activity and plate motion during the latent stage of Midcontinent Rift development. UC Berkeley. Collection. doi:10.8078/6175g8

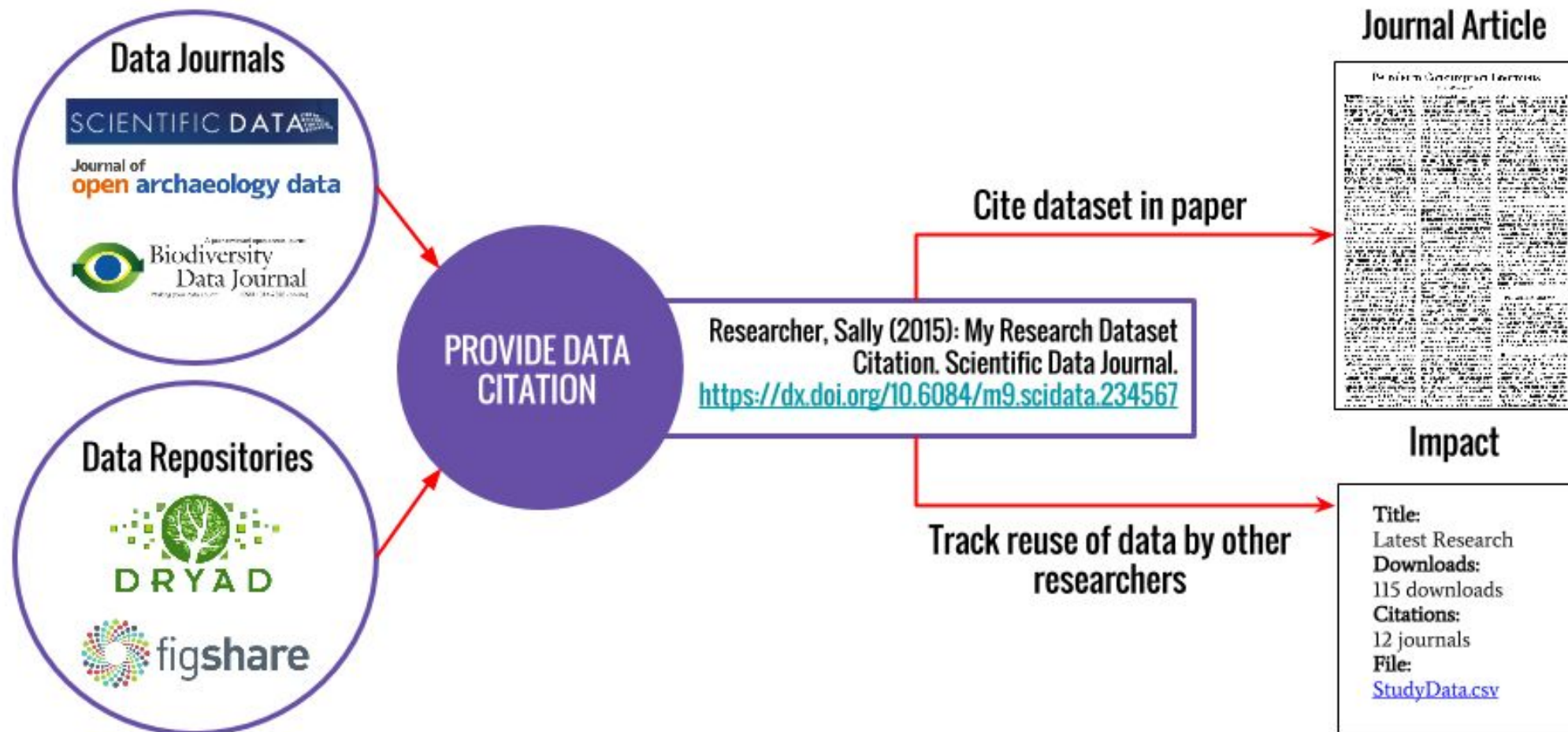
Title Magmatic activity and plate motion during the latent stage of Midcontinent Rift development

Creator(s) Swanson-Hyssel, Nicholas | Burgess, Seth | Maloof, Adam | Bowling, Samuel

Abstract The Keweenaw Midcontinent Rift of North America records significant continental rifting between ca. 1110 and 1085 Ma, and preserves the most detailed paleomagnetic record of plate motion of any continent in Precambrian time. U/Pb dates from extrusive and intrusive rocks of the western Lake Superior Basin suggest a latent stage of reduced magmatic activity from ca. 1106 to 1100 Ma that places constraints on the dynamics of rift development and the record of plate motion. However, it has remained unclear whether this stage is a feature of the entire >2500-km-long rift. The succession of picritic and basaltic lava flows at Mamaine Point in the eastern Lake Superior Basin may be the most continuous and best exposed record of rift-related volcanism and magnetic reversals, but its age and duration relative to the latent stage has been uncertain due to a lack of radiologic dates. We present a weighted mean 206Pb/238U date of 1100.36 ± 0.25 Ma on zircon crystals isolated from a newly discovered tuff within the upper reversed polarity portion of the stratigraphy below the Great Conglomerate. This date indicates that explosive activity at Mamaine Point continued during the interval of diminished magmatic activity in the western Lake Superior Basin. This result strengthens the chronostratigraphic framework of rift development while explaining the preservation of additional geomagnetic reversals at Mamaine Point and the record of progressively decreasing paleomagnetic inclination that is indicative of rapid paleogeographic change.

Methods > Show Methods

Getting Credit for Your Data



Challenges and strategies

Challenges:

Licensing agreements prohibit data publishing

University agreements mean that researchers cannot publish data

Information systems do not support repro-driven data publishing

Strategies:

Provide programs to shift license agreements to make data publishable

Libraries should help reshape university policies to merge better with data sharing practice

In addition to providing systems; help develop understanding and adoption of identifiers to support data aggregation