



2019 Dryad Annual Report

Building on our successes

2019 was marked by Dryad's innovations and emphasis on growing a community of support. We built on our foundations for sustainability with strategic partnerships and the launch of a new institutional member model, while continuing to publish more datasets than years prior. Throughout, we remained strongly aligned with the research and publishing communities to improve access to curated data, and we were able to spend time connecting with these communities understanding evolving needs and how Dryad fits into their narratives. Dryad remained guided by the primary mission of making curated research data available for reuse openly across research communities.

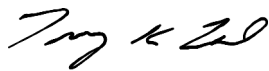
Since our founding Dryad has focused on publishing datasets associated with published journal articles. This led us to successfully publishing over 30,000 globally accessible datasets through 2018. But not all data collected by researchers leads to peer reviewed publications. Datasets may be associated with non-traditional sorts of publications, such as data associated with preprints and software packages, or PhD dissertations and Masters theses. Such datasets need a curated home from which they can be shared and cited as valued research outputs. In 2019, we built the capacity to support data deposits that are not strictly associated with traditional peer-reviewed journal articles.

Through our partnership with California Digital Library that began in 2018, we migrated 30,000 datasets and launched Dryad on a new platform in September, 2019. This shift in our technology and product development practices allowed for Dryad to expand feature capabilities, better supporting researcher needs through integrations and open REST APIs as well as allowing for us to better support the growing institutional member community. The success of the new platform and co-development team can be seen through the implementation of expanded best practice metadata, increased integrations and partnerships, and continual rise in submissions.

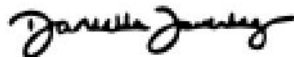
Beyond our new platform, we continued to think about other ways we could make research data publishing more streamlined for researchers. With increasing mandates and initiatives around open data and software, researchers commonly have to make a choice about where to deposit their non-article outputs, but systems are not built to accommodate these diverse needs. To better connect community efforts around the curation and publication of these non traditional research outputs, and make open research best practices more seamless, Dryad was awarded funds from Alfred P. Sloan Foundation, in July 2019. Along with this grant, Dryad formed a partnership with Zenodo, a multidisciplinary repository hosted at CERN, that we are well aligned with in our values of supporting best practices for open research publishing.

To ensure our continued sustainability, we worked through 2019 to expand the types of organizations that are members of the Dryad community. In March of 2019, we announced our revised institutional member model, which expanded membership from traditional journals and a couple of founding institutions, to the universities and other institutions that generate research data. We are proud to have grown our institutional community and look forward to building up a larger community around open data publishing with institutions, publishers, and funders going forward.

Dryad's mission is, and always has been, to serve the needs of the scholarly research community. As we reflect on our past, and optimistically look to our future, we see continued growth of our service and remain committed to our community and our mission. Thank you to all who have worked with Dryad, sharing and re-using data, participating in meetings and guiding our future directions. It is you and your research that we want to advance and empower.



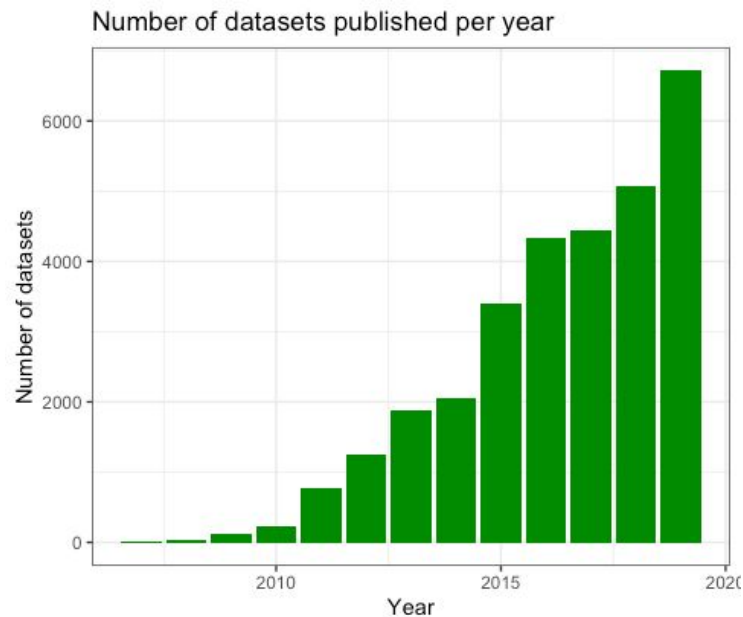
Tracy K. Teal
Executive Director



Daniella Lowenberg
Product Manager

Datasets Published in 2019

Dryad published 6,715 datasets in 2019, a 32% increase from 2018. They were associated with articles from more than 570 different journals, an increase of 55% from 2018 .



Partner Journals

Dryad prides itself on strong collaboration with journals. We are thrilled to have worked with 157 integrated journals in 2019, with 75 journals sponsoring author fees. The top 10 journals we received the most datasets from were:

- Ecology and Evolution
- PLOS ONE
- Royal Society Open Science
- Proceedings of the Royal Society B
- Functional Ecology
- Journal of Ecology
- Journal of Applied Ecology
- Neurology
- Journal of Animal Ecology
- Behavioral Ecology

Membership

In 2019, Dryad launched an institutional membership model that allows for cost coverage of data publishing charges for researchers as well as access and reporting features for institutional administrators. In the first year of the membership launch, we welcomed the following institutions on board:

- California Digital Library (including the 10 University of California campuses & Lawrence Berkeley Lab)
- Cal State University, East Bay
- King Abdullah University of Science and Technology (KAUST)
- Montana State University
- North Carolina State University
- Ohio State University
- University of New South Wales
- University of New Mexico
- Victoria University
- Yale University

Grants

National Science Foundation Sustaining Award #1933812 (\$870,922) “Enabling the Access, Publishing, and Preservation of Curated Research Data at Dryad” -- 2019-2022

- Dryad received a subaward to sustain Dryad’s curation program and ongoing operations, supporting the publication and re-use of research data.

Sloan Foundation Award (\$635,915) “Building Connections in Data Publishing to Achieve Community Goals” -- 2019-2021

- An innovation award aimed at building connections and integrations with the larger research and research supporting communities to make data publishing and re-use more seamless. Examples of integrations include publishing platforms, analytical environments, and community curation groups.

Community Meetings

London Publisher Meet-Up -- Hindawi, January 25, 2019

Dryad hosted a meeting with 11 publishers in the London and Cambridge areas to gather input around evolving needs in supporting journal data policies and best practices for data publishing. The meeting resulted in recommendations for feature development as well as documented needs for the future Dryad and Zenodo work.

Boston Institutions Meet- Up -- MIT, June 19, 2019

Funded by the Institute of Museum and Library Services (IMLS) award focused on understanding institutional needs around community data publishing, members of the Dryad team hosted a meet-up with 10 Boston-area institutions. The half day workshop explored institutional needs for supporting research data publishing across the campuses as well as served to gather feedback on Dryad's membership model and supporting features.

NSF Funded "Researcher Led Data Publishing" Workshop -- NCEAS, October 4, 2019

Through a National Science Foundation community meeting award, members from the Dryad team convened 22 researchers and community supporters in the Ecology & Environmental Sciences. The full day workshop focused on answering the question "what does it mean to be researcher-led"? Researchers presented on their experiences publishing and re-using data, discussions around general versus disciplinary specific repositories were facilitated, and much of the day emphasized researchers' needs in supporting proper reuse of published research data. More information about this workshop can be found [here](#).

Income Categories

Dryad receives general income from Journal memberships, Institutional memberships, Journal payment plans (administered as subscriptions or deferred payments) and Individual Payments for DPCs. Dryad's accounting is accrual based, so income values reflect accrual income.

Income Category	Income
Journal Membership	\$29,917
Journal Payment Plans	\$279,516
Institutional Membership	\$16,519
Individual Payments	\$172,143

