



## 2020 Dryad Annual Report

### **Working together to do better together**

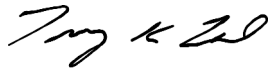
2020 was a transitional and challenging time for the world, and at Dryad we focused heavily on how to shift, appropriately, with the times, best supporting researchers and open data practices.

The year began in more familiar times, with the product development team traveling to CERN to work with the Zenodo team on mapping the integrations between our two systems. Shortly after that, we introduced Tracy as the new Executive Director, and presented on Dryad's commitment to seamless best practice data publishing at the NIH Generalist Repository meeting. Soon after, the pandemic hit, and while this affected the Dryad community in various ways, we found that submissions also began to increase. With labs shut down, researchers began to have more time to work with their existing data. We found a need to expand our curator capacity and grew our team to bring on postdocs and graduate students across various disciplines in part time roles to learn about and curate Dryad submissions. While the times posed challenges, it was also an opportunity to reaffirm our commitment to do better together. We continued to stay engaged with the NIH and presented about our approach to COVID data at the NIH "Sharing, Discovering, and Citing COVID19 Data" virtual meeting and our commitment.

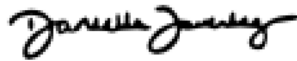
As we adjusted to the new normal, we understood how important it was to retain our commitment to our principles: open source, accessible, and community-led infrastructure for research data publishing. The Principles for Open Scholarly Infrastructure outline these best, and we endorsed these principles through a [public self-assessment](#) to evaluate and guide our practices and directions. We put out an open call for and welcomed our inaugural [Scientific Advisory Committee](#) to guide our strategic direction and provide feedback and insight from the broad research community. We also reflected on the importance of our partnerships with California Digital Library, CERN & Zenodo, our growing membership community, and we engaged in a new partnership with the Open Knowledge Foundation aiming to increase the quality of our tabular datasets.

Another area of growth and connection for us this year was our increasing member community. In addition to our strong publisher memberships, we added 17 more institutional and funder

members, and held informational and member meetings to connect member organizations with each other and hear areas of interest and priority from our members now and going forward. Our work and reach in the research community would not be as effective without these members, partnerships and the research community - we cannot reach our shared goals alone. We continue to deeply value our work together towards a vision of a world where research data is openly available and routinely re-used to create knowledge.

A handwritten signature in black ink, appearing to read "Tracy K. Teal".

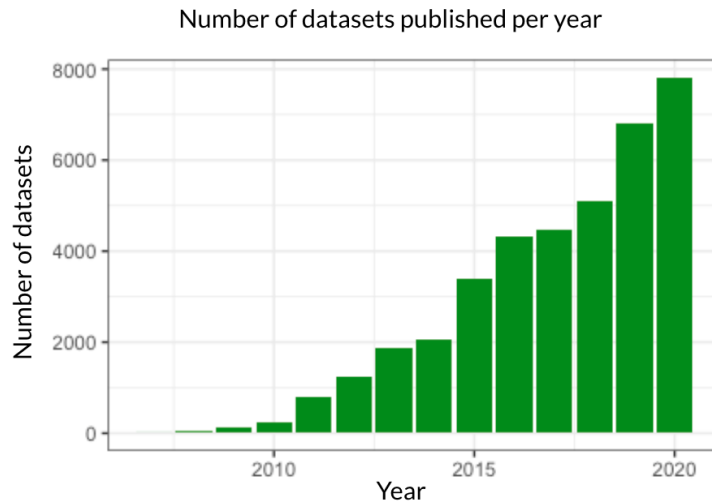
Tracy K. Teal  
Executive Director

A handwritten signature in black ink, appearing to read "Daniella Lowenberg".

Daniella Lowenberg  
Product Manager

## Datasets Published in 2020

Dryad published 7,816 datasets in 2020, a 16% increase from 2019. They were associated with articles from more than 700 different journals, an increase of 22% from 2019.



## Partner Journals

Dryad prides itself on strong collaboration with journals. We are thrilled to have continued to work with 157 integrated journals in 2020, with 75 journals sponsoring author fees. The top 10 journals we received the most datasets from were:

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

## Membership

In 2020, Dryad continued its institutional membership model that allows for cost coverage of data publishing charges for researchers as well as access and reporting features for institutional administrators, as well as its publisher and funder memberships. This year we welcomed 17

new member organizations, bringing the total number of institutional and funder member organizations to 40. The following institutions joined this year:

- Chan Zuckerberg Initiative
- The Claremont Colleges (6 institutions)
- Columbia University
- Desert Research Institute
- Indian Institute of Technology Dhanbad
- Kyoto University
- Macquarie University
- Netherlands Institute of Ecology (NIOO-KNAW)
- Stanford University
- Texas Tech University
- University of Minnesota
- The University of Rhode Island

## Grants

**National Science Foundation Community Meeting Award #2031647 (\$46,793)** “Connecting Researchers in Sharing and Re-Use of Research Data and Software” -- 2020-2021

- Community meeting award with Zenodo to bring together researchers across varying disciplines to understand needs in research data and software re-use

**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.

## Partnerships & Community

**CERN Visit -- February 1-3, 2020**

The Dryad Product Development team met with the Zenodo team at CERN to map out all potential integrations between our two systems. After defining the priority for each of the integrations and feature sets, the Dryad and Zenodo teams built out functionality for researchers to submit datasets *and* software through Dryad, for software to be triaged and archived at Zenodo. Included in this, Dryad began to send an extra copy of all datasets to CERN for

preservation assurance and replication. These copies can be found in the [Dryad community](#). While the majority of building and testing was in 2020, with COVID setbacks, the functionality did not release until 2021.

#### **Dryad Annual Member Meeting -- Virtual, June 11, 2020**

Our annual member meeting was held virtually this year with over 60 community members joining from publisher, institutional, and philanthropic organizations. The meeting gave time for various members to present on their Dryad membership and how it's helped their organization connect to their researchers, as well as breakout rooms to discuss needs and wishlist items for Dryad to best meet the needs of researchers in data publishing.

#### **Scientific Advisory Committee -- October 14, 2020**

Resulting from a 2019 National Science Foundation funded meeting bringing researchers together to discuss how Dryad can remain researcher-led, we launched a global [call for nominations](#) for our inaugural Scientific Advisory Committee. This call resulted in over 70 nominations from nearly every continent. The selection process resulted in a committee of 10 folks that was [announced](#) in early 2021.

#### **Open Knowledge Foundation Partnership -- November 18, 2020**

Understanding that data quality is essential for the usage of published data at Dryad, we [partnered with the Open Knowledge Foundation](#) and Frictionless Data team. This partnership allowed for us to begin the hiring process for a new application developer, who leads the integration between the Dryad submission interface and the Frictionless Data tabular data validator. This work began at the end of the year and continues through 2021.

## Income Categories

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

Income Category	Income
Journal Membership & Payment Plans	\$330,199
Institutional Memberships	\$72,376
Individual Payments	\$168,849
<b>Total</b>	<b>\$571,423</b>

### General Income

