



PROMOTING SCHOLARSHIP THROUGH OPEN DATA

2014 Organizational and Membership Report

Table of contents

[Organizational milestones](#)

[Partner journals](#)

[Data packages published in 2014](#)

[Membership](#)

[Data publishing charges](#)

[Payment plans](#)

[Sponsoring organizations](#)

[Revenue, by payment plan, 2014](#)

[Data packages published, by payment plan, 2014](#)

[Waivers](#)

[Financials](#)

[Downloads and web traffic](#)

[Web traffic](#)

[Outreach](#)

[Blog posts](#)

[Twitter](#)

[Conferences and seminars](#)

[Appendix A - Financials](#)



Organizational milestones

I am pleased to report to you about Dryad's activities in the 2014 calendar year. This is the first annual report since I took on the role of Executive Director in October of 2014. I am excited to help shape the future of a nonprofit with an important scientific and educational mission governed by such a diverse stakeholder community. I've met and spoken with many of you over the past several months and I look forward to meeting even more of you in 2015.

Dryad continues to grow and fulfill its mission to an ever widening community. The repository released 2,714 data packages in 2014, an increase of 33% over 2013. The manuscript and data submission processes were integrated for 27 new journals, including titles from the American Society of Plant Taxonomists, BioMed Central, the Ecological Society of America, the German National Library of Medicine, Nature Publishing Group, the Nordic Society Oikos, Oxford University Press, the Paleontological Association, Pensoft, PLOS (including PLOS ONE), The Royal Society and Wiley. Submissions from 85 different journals (23 more than in 2013) are now being sponsored by 27 different organizations. Data packages in Dryad enjoyed over a quarter million downloads in 2014. Data packages are more disciplinarily diverse than ever, as illustrated by the Featured Data we highlight each week in our social media channels. While we need and expect to continue growing in order to achieve long-term sustainability, we are on track.

In the past year, Dryad has introduced new functionality, including ORCID-based user accounts, a new API-based submission integration workflow, a web application that allows readers to preview data from a third party website, dedicated public portals for each integrated journal, and improved interoperability with reference managers such as Zotero.

Shortly before I came on board, the Board of Directors adopted the organization's first Strategic Plan, which puts us on track for continued growth, technical innovation, and organizational excellence. Dryad will continue to work to bring passionate people together to collaborate and shape the future of open research data.

Thank you for your continued support,

A handwritten signature in black ink that reads "Meredith Morovati". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Meredith Morovati, Executive Director

Partner journals

Submission integration is a free service that allows journal publishers to coordinate the submission of manuscripts with submission of data to Dryad, used by over 65 partner journals. Dryad supports submission integration for any organization that publishes a scientific journal irrespective of whether the organization sponsors submissions through a payment plan or is a member of Dryad. The submission integration process works with many different online manuscript processing systems. It is lightweight, customizable to each journal's needs, and brings a number of benefits:

- Simplify the process of data submission for authors.
- Allow authors to deposit, to a single repository, gigabytes of data files in their original formats.
- Reduce the rate of noncompliance with journal data policy.
- Have the option of making data available for editorial or peer review, via secure access for editors and reviewers.
- Ensure bidirectional links between the article and the data and increased visibility for both.
- Ensure that the data is accessible once the article becomes available online.
- Give authors the option to embargo public access to data for a limited time after publication, if permitted by the journal's data policy.

New partner journals in 2014

Title	Workflow	Sponsorship
<i>Subterranean Biology</i>	review	Yes
<i>Journal of Hymenoptera Research</i>	basic	Yes
<i>GMS German Plastic, Reconstructive and Aesthetic Surgery</i>	review	Yes
<i>GMS Infectious Diseases</i>	review	Yes
<i>GMS Interdisciplinary Plastic and Reconstructive Surgery DGPW</i>	review	Yes
<i>GMS Onkologische Rehabilitation und Sozialmedizin</i>	review	Yes
<i>GMS Zeitschrift für Medizinische Ausbildung</i>	review	Yes

Title	Workflow	Sponsorship
<i>GMS Zeitschrift zur Förderung der Qualitätssicherung in medizinischen Laboratorien</i>	review	Yes
<i>Deutsche Entomologische Zeitschrift</i>	basic	Yes
<i>Zoological Systematics and Evolution</i>	basic	Yes
<i>Scientific Data</i>	review/data first	Yes
<i>BMC Ecology</i>	review	No
<i>BMC Evolutionary Biology</i>	review	No
<i>Proceedings of the Royal Society B</i>	review	Yes
<i>Ecological Applications</i>	basic	No
<i>Royal Society Open Science</i>	basic	Yes
<i>Journal of Avian Biology</i>	basic	Yes
<i>Papers in Palaeontology</i>	basic	Yes
<i>Systematic Botany</i>	review	Yes
<i>PLOS ONE</i>	review/data first	No
<i>PLOS Computational Biology</i>	review/data first	No
<i>PLOS Medicine</i>	review/data first	No
<i>PLOS Neglected Tropical Diseases</i>	review/data first	No
<i>PLOS Pathogens</i>	review/data first	No
<i>Oikos</i>	basic	Yes
<i>Nordic Journal of Botany</i>	basic	Yes
<i>Ecography</i>	basic	Yes

Data packages published in 2014

Dryad published 2,714 data packages in 2014, 33% more than in 2013. They were associated with articles from over 200 different journals. Dryad also continued to receive a small number of data packages associated with books and theses.

There were an average of 3.3 files per data package, almost exactly the same as the prior year, while the average size per data package was 212MB, an increase of 43%. Only 7% of data packages contained files embargoed for one year or longer.

The top 10 journals with the most data packages published in 2014

Journal	Data packages
<i>Molecular Ecology</i>	295
<i>PLOS ONE</i>	239
<i>Proceedings of the Royal Society B</i>	228
<i>Evolution</i>	163
<i>Journal of Evolutionary Biology</i>	147
<i>The American Naturalist</i>	99
<i>Molecular Ecology Resources</i>	97
<i>Biology Letters</i>	88
<i>Functional Ecology</i>	80
<i>Systematic Biology</i>	74

Membership

Membership is open to any stakeholder organization, including but not limited to journals, scientific societies, publishers, research institutions, libraries, and funding organizations. Members help advance Dryad's mission and have a say in the governance of the organization through nomination and election of its Board of Directors, and voting on amendments to its Bylaws at the Annual Meeting. Members benefit from discounts on submission fees and participation in an active knowledge sharing network. Memberships run from January through December. Annual dues are \$1,000 for organizations with gross income below 10 million USD, and \$5,000 if above. Members can also join for \$500, irrespective of budget size, but will not benefit from DPC savings. Current Dryad members:

- [American Association for the Advancement of Science](#) *
- [American Society of Naturalists](#) *
- [The American Genetic Association](#) *
- [Botanical Society of America](#)
- [British Ecological Society](#) *
- [BMJ Publishing Group, Ltd.](#) *
- [BioMed Central](#) *
- [Cambridge University Press](#)
- [Ecology Letters](#) *
- [Ecological Society of America](#) *
- [Elementa: Science of the Anthropocene](#)
- [European Society for Evolutionary Biology](#) *
- [Evolutionary Applications](#) *
- [The Genetics Society](#) *
- [German National Library of Medicine](#)
- [HighWire](#)
- [Molecular Ecology](#) *
- [Molecular Ecology Resources](#) *
- [Molecular Phylogenetics and Evolution](#) *
- [Oxford University Press](#) *
- [The Paleontological Society](#) *
- [Pensoft Publishers](#) *
- [PLOS](#) *
- [The Royal Society](#)
- [Society for Molecular Biology and Evolution](#) *
- [Society for the Study of Evolution](#) *
- [Society of Systematic Biologists](#) *
- [United States Fish and Wildlife Service](#) *
- [Wiley](#) *

Charter Members () may elect to waive membership fees through 2015.*

Data publishing charges

Payment plans

Independently of membership, organizations may contract with Dryad to provide a valuable service to researchers: allowing them to deposit data without paying a deposit fee at the time of submission.

To do this, Dryad offers a variety of flexible payment plans, all of which provide a volume discount. If no payment plan is in place, authors pay a deposit fee at the time of submission, with the exception of researchers from developing countries, who may deposit data at no charge.

1. Voucher Plan. Organizations purchase a block of vouchers for future submissions. This plan is open to any organization.

2. Deferred Payment. DPCs are invoiced for the number of packages submitted in the previous quarter for a particular publication. Participants must enter into a contract of at least one-year duration and may cap the number of submissions for which they are charged. This plan is open to publishers, publishing societies and independent journals.

3. Subscription Plan. A journal (or journals) with an active Subscription Plan may make an unlimited number of submissions for a fixed cost. This cost is calculated based on the total number of research articles published by the journal(s) in the prior year, or a reasonable estimate of anticipated volume for new titles.

While base DPCs cover the entire cost of most submissions, additional charges will apply when data packages are in excess of the 10 GB size limit (\$15 will be charged for the first GB and \$10 for each additional GB or part thereof, payable by the submitter) and/or are associated with a data package from a non-integrated journal (\$10).

Summary of payment plans

Payment plan	For members	For non-members	Minimum purchase
1. Voucher	\$65 per data package	\$70 per data package	25 vouchers
2. Deferred Payment	\$70 per data package	\$75 per data package	1 yr contract
3. Subscription	annual fee based on \$25 per published research article	annual fee based on \$30 per published research article	2 yr contract

Sponsoring organizations

Twenty-seven organizations sponsor DPCs on behalf of researchers and authors. The publishing organizations in this list collectively sponsor DPCs for 85 titles, while the research organizations sponsor DPCs on behalf of their affiliated researchers wherever they choose to publish. An up-to-date list of journals with sponsored DPCs is available at <http://datadryad.org/pages/journalLookup>.

- American Genetic Association
- American Society of Naturalists
- American Society of Plant Biologists
- American Society of Plant Taxonomists
- BioOne/Elementa: Science of the Anthropocene
- BMJ Publishing Group
- Botanical Society of America
- British Ecological Society
- Canadian Healthy Oceans Network CHONe
- Ecological Society of America
- eLife
- European Society for Evolutionary Biology
- German National Library of Medicine
- INBO
- Molecular Ecology
- Molecular Ecology Resources
- Nature Publishing Group
- Nordic Society Oikos
- Pensoft Publishers
- Society for the Study of Evolution
- Society of Systematic Biologists
- The Genetics Society
- The Palaeontological Association
- The Paleontological Society
- The Royal Society
- University of Rochester
- US Fish and Wildlife Service

Revenue, by payment plan, 2014

	Q1	Q2	Q3	Q4	Total
Subscription Plan	0	\$12,425	0	\$24,375	\$36,800
Voucher Plan	\$1,750	0	0	0	\$1,750
Deferred Payment Plan	\$9,685	\$8,355	\$8,730	\$11,745	\$38,515
Single vouchers	\$1,750	\$2,800	0	0	\$4,550
Individuals	\$13,050	\$15,615	\$19,540	\$21,280	\$69,485
Total	\$26,235	\$39,195	\$28,270	\$57,400	\$151,100

Data packages published, by payment plan, 2014

	Q1	Q2	Q3	Q4	Total
Subscription	258	305	302	318	1,183
Voucher account	32	14	28	25	99
Deferred payment	138	119	124	167	647
Single voucher	4	12	5	1	67
Individual	145	176	215	235	838
Total	577	626	674	746	2,834

Waivers

Waivers are granted upon request for submissions originating from researchers based in countries classified by the World Bank as low-income or lower-middle-income economies. Waivers were granted for 44 data packages in 2014, compared with only 8 in 2013.

Financials

The full financial report for the second quarter of FY2014-2015, ending December 2014, is included as an [Appendix](#).

In addition to the budget for the nonprofit, the third year of a four year \$2.18M award from the National Science Foundation for research and development started in 2014. Institutions that partner with Dryad on this award include Duke University, the University of North Carolina at Chapel Hill, the Metadata Research Center at Drexel University, the Federation of American Societies for Experimental Biology (for administrative management services), and the North Carolina State University Digital Libraries.

Downloads and web traffic

There were 199,976 data file downloads in 2014. The top five data packages published in 2014 are shown below.

Note: Although most activity from automated “bots” has been filtered out of these statistics, they may still contain overcounts due to individual users downloading a file multiple times.

Publication	Data package	Downloads
Hirsch CN et al. (2014) Insights into the maize pan-genome and pan-transcriptome. The Plant Cell 26: 121-135. doi:10.1105/tpc.113.119982	Hirsch CN et al. (2014) Data from: Insights into the maize pan-genome and pan-transcriptome. Dryad Digital Repository. doi:10.5061/dryad.r73c5	4,070
Misof B et al. (2014) Phylogenomics resolves the timing and pattern of insect evolution. Science 346: 763-767. doi:10.1126/science.1257570	Misof B et al. (2014) Data from: Phylogenomics resolves the timing and pattern of insect evolution. Dryad Digital Repository. doi:10.5061/dryad.3c0f1	1,122
Nguyen CV et al. (2014) Tomato GOLDEN2-LIKE transcription factors reveal molecular gradients that function during fruit development and ripening. The Plant Cell 26: 585-601. doi:10.1105/tpc.113.118794	Nguyen CV et al. (2014) Data from: Tomato GOLDEN2-LIKE transcription factors reveal molecular gradients that function during fruit development and ripening. Dryad Digital Repository. doi:10.5061/dryad.v134j	626
Zanne AE et al. (2013) Three keys to the radiation of angiosperms into freezing environments. Nature 506: 89-92. doi:10.1038/nature12872	Zanne AE et al. (2013) Data from: Three keys to the radiation of angiosperms into freezing environments. Dryad Digital Repository. doi:10.5061/dryad.63q27.2	581
Giguet-Covex et al. (2014) Long livestock farming history and human landscape shaping revealed by lake sediment DNA. Nature Communications 5: 3211. doi:10.1038/ncomms4211	Giguet-Covex et al. (2014) Data from: Long livestock farming history and human landscape shaping revealed by lake sediment DNA. Dryad Digital Repository. doi:10.5061/dryad.h11h7	453

Web traffic

Dryad collects a variety of web analytics for <http://datadryad.org>, but pays particular attention to the number of “sessions,” or visits from the same user with gaps of no more than 30 minutes between subsequent hits. The number of sessions increased 27%, from 151,707 in 2013 to 192,803 in 2014.

Sessions by language (top 5)

Language	Percentage
English	71.6%
Chinese	3.8%
German	3.7%
Spanish	3.5%
French	3.1%

Sessions by country (top 10)

Country	Percentage
United States	37.5%
United Kingdom	8.8%
Canada	5%
Germany	4.9%
Australia	3.5%
China	3.5%
France	3.3%
Brazil	2.9%
Japan	2.4%
Spain	2.2%

Outreach

Blog posts

There were 10 posts to <http://blog.datadryad.org> in 2014, which collectively received 8,022 pageviews. The most popular was “40 Years of Data”, which announced the availability of the data from a book by Peter and Rosemary Grant about their classic, long term study of the Darwin’s finches on the Galápagos Islands. Second most popular was the guest post “Tamiflu, Relenza, and influenza: what the data do (or don’t) tell us” from Tom Jefferson, Peter Doshi and Carl Heneghan, which tells the story of how they fought to access the 107 clinical study reports that underpin their influential Cochrane Collaborative systematic review and are archived in Dryad.

Blog posts from 2014, in reverse chronological order

- Four newly sponsored journals from Nordic Society Oikos
- Enhanced integration of manuscript and data submission with PLOS
- Royal Society Open Science and Ecological Applications integrate manuscript and data submission with Dryad
- A grand milestone for Molecular Ecology
- Applications open for Dryad Executive Director
- Proud to announce a bevy of newly integrated titles
- Tamiflu, Relenza, and influenza: what the data do (or don’t) tell us
- 40 Years of Data
- 2014 Dryad-Dataverse Community Meeting (updated)
- Ecology and Evolution integrates with Dryad

Blog readership, by country (top 10)

Country	Number of visits
USA	3,689
UK	860
Canada	406
India	304
Germany	297
Australia	257
France	232
Brazil	137
China	131
Netherlands	125

Twitter

The main @datadryad twitter account had 7,463 followers by the end of 2014 (up nearly 25% from the year before). We also continue to post all new data packages, and Featured Data, at @datadryadnew.

A sample of popular tweets in which Dryad is mentioned



Conferences and seminars

Dryad had a presence through either a presentation or a conference table at the following events in 2014.

- CurateGear, Chapel Hill, Jan 8
- Open Data Forum, 21-22 Jan 2014, London
- ALA Midwinter conference, Philadelphia, Jan 24-28
- Research Data in the Ecosystem of Scientific Publications, Paris, Feb 12
- IDCC14 International Digital Curation Conference, San Francisco, Feb 24-27
- ERC Working Group on Open Access, March 24
- Code4Lib, Raleigh, March 24-27
- RDA Research Data Alliance Third Plenary Meeting, Dublin, March 26-28
- RDAP14 Research Data Access and Preservation Summit 2014, San Diego, March 26-28
- Society for Scholarly Publishing conference, Boston, May 28-30.
- Open Repositories, Helsinki, June 9-13
- Evolution 2014, Raleigh, June 20-24
- NIEHS InfoFest, June 23rd, RTP, NC

- ESA Annual Meeting, Sacramento, Aug 10-15
- Research Data Alliance 4th plenary, Amsterdam, Sept 22-24
- National Data Service Planning Workshop, Rockville MD, Oct 23-24
- SciDataCon2014, New Delhi, India, Nov 2-5
- STM Innovations Seminar, London, Dec 3
- Changing Practices in Data Publications Workshop, Washington DC, Dec 3

Appendix A - Financials



PROMOTING SCHOLARSHIP THROUGH OPEN DATA

Financial Report FY2014-2015 **Second quarter plus cumulative activity**

This financial report covers the period of July 1, 2014 – December 31, 2014. The bank account has been reconciled monthly and the all liabilities and expenses are supported by loan documents, invoices and payroll reports. The figures have been verified by accountants at the Federation of American Societies for Experimental Biology (FASEB).

Meredith Morovati
Executive Director

Dryad, Inc.
Statement of Financial Position
As of 12/31/2014

ASSETS

Current Assets

Cash - Operating	\$ 80,772.52
Cash - Restricted	15,000.00
Undeposited Funds	1,426.38
Accounts Receivable	43,079.99
Prepaid Expenses	<u>1,182.17</u>

Total Current Assets	<u>141,461.06</u>
----------------------	-------------------

Fixed Assets

Machinery & Equipments	6,132.92
Accum Depr Machinery & Equipments	<u>(6,132.92)</u>
	<u>-</u>

TOTAL ASSETS	<u><u>\$ 141,461.06</u></u>
--------------	-----------------------------

LIABILITIES AND NET ASSETS

Current Liabilities

Accounts Payable		\$ 5,021.20
Deferred Income		3,000.00
Payroll Liabilities		
Payroll Taxes Withheld	3,618.12	
NC Income Tax	1,741.00	
NC Unemployment Tax	<u>447.69</u>	<u>5,806.81</u>

Total Current Liabilities	13,828.01
---------------------------	-----------

Net Assets	<u>127,633.05</u>
------------	-------------------

TOTAL LIABILITIES AND NET ASSETS	<u><u>\$ 141,461.06</u></u>
----------------------------------	-----------------------------

For internal managerial purposes only; not to be relied upon by third parties.

Appendix A - Financials - page 3 of 4

Dryad, Inc.
Statement of Activities
For the Three Months and Six Months Ended December 31, 2014

		12/31/14	YTD 12/31/2014
Revenues:			
Contributions		\$ -	\$ -
Membership Dues		-	10,000.00
Subaward 14-NSF-1045		9,774.99	19,550.94
Submission Fees			
Individual Payments	21,225.00	40,435.00	
Payment Plans	56,385.00	77,610.00	107,175.00
Total Revenues		<u>87,384.99</u>	<u>136,725.94</u>
Expenses:			
Advertising		13.50	13.50
Bank Charges		30.89	100.89
Currency Conversion Expense		-	(21.69)
Curation Expense		-	11,160.00
Depreciation Expense		6,132.92	6,132.92
Associate Director Search			
Travel			4864.42
Meals			256.01
FASEB - Subcontract		9,774.99	19,550.94
FASEB - Addendum		4,902.21	13,508.46
Insurance			
Insurance - Liability	1008.83		1878.33
Insurance - Health	3039.64		3039.64
Insurance - Life	439.59	4,488.06	789.87
Job Ads		-	375.00
Internet Expense		149.94	154.86
Office Expenses		941.95	1,687.79
Other General and Admin Expenses		1,600.00	2,400.00
Paypal Transaction Fees		989.10	1,879.67
Payroll Expenses			
Taxes	3,301.69		3,567.19
Wages	37,307.30	40,608.99	40,307.30
Shipping and Delivery Expense		-	25.78
Tax Preparation Fee		750.00	750.00
Travel		1,177.44	1,237.12
Total Expenses		<u>71,559.99</u>	<u>113,658.00</u>
Change in Net Assets		15,825.00	23,067.94
Net Assets, Beginning		<u>111,808.05</u>	<u>104,565.11</u>
Net Assets at December 31, 2014		<u>\$ 127,633.05</u>	<u>\$ 127,633.05</u>

For internal managerial purposes only; not to be relied upon by third parties.

DRYAD
Notes to Financial Statements
December 31, 2014

1. For fiscal quarter ending December 31, 2014 a total of \$55,909.99 was invoiced for Subawards and Submission Fees. Out of these amounts \$12,900, were collected leaving \$43,009.99 as receivable. In addition, this Receivables include prior year uncollected amount of \$70. The break down of the receivables is as follows:

Prior Fiscal Year	
Submission Fees	\$ 70.00
	<u>70.00</u>
Current Fiscal Quarter	
Submission Fees	33,235.00
Subaward	9,774.99
	<u>43,009.99</u>
Total Receivable as of 12/31/14:	<u><u>\$ 43,079.99</u></u>

2. The dues paid for periods beyond December 2014, totaling \$3,000, are deferred and included in the balance sheet liability section. The Membership dues income recognized for the six months ending 12/31/2014 is \$10,000.

For internal managerial purposes only; not to be relied upon by third parties.