

# DataCite Annual Review: 2018



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## Who We Are

DataCite is a leading global non-profit organization that provides persistent identifiers (DOIs) that enable researchers to identify, locate, access, connect, and cite research datasets with confidence.

**OUR VISION:** Connecting research, identifying knowledge.

**OUR MISSION:** DataCite's mission is to be the world's leading provider of persistent identifiers for research. Through our portfolio of services, we provide the means to create, find, cite, connect, and use research. We seek to create value and develop community-driven, innovative, open, integrated, useable, and sustainable services for research.

### OUR GUIDING VALUES

- DataCite is trustworthy – we're fully dedicated to open research and all its related content.
- We're community owned and driven – founded by the research community, we're a democratic organization that engages with and listens to the broad research community to meet the needs of researchers.
- We provide timely support to our members – we respond quickly to the changing needs of our community, adding new services as needed.
- We actively involve our membership in the building of new services – we're open to building services for all types of technologies.
- We're a global leader – we have an international reputation for providing DOIs for traditional and non-traditional research outputs.
- We're transparent – we have a structure that allows us to be proactive, agile, and responsive to the needs of the research community.
- We advocate for the role of all research content in the research landscape – we engage in outreach that reflect the interests of our diverse community.



## Message from the Executive Director, Patricia Cruse

As DataCite celebrates its 10-year anniversary, we, as a community, have much to be proud of. Since our founding in

London on 1 December 2009, we have been working tirelessly to change the research landscape. We can all thank the seven organizations, the British Library; the Technical Information Center; the TU Delft Library; the National Research Council Canada Institute for Scientific and Technical Information; the California Digital Library; Purdue University; and the German National Library of Science and Technology (TIB), that had the bold idea that data should be considered a first-class citizen and should be treated as independently published digital objects. We have come a long way since those early days -- we have grown from 7 founding members to over 165 members from 31 countries today. While much has changed since our founding, we continue to stay loyal to our mission of research and data sharing.

To keep pace with membership growth, DataCite enacted some important changes in 2018. Most importantly, we hired two new staff persons. First Helena Cousijn, Communications Director, joined DataCite in July 2018 and has helped develop a communication strategy that focuses on our members. Helena then hired Mary Hirsch, our Support Manager with the goal of providing top-notch support to ensure the successful use of our services. DataCite staff also continued to develop and refine new services, as detailed in the services section below, to meet the needs of our growing community.

If we stop and look back at just how far this DataCite has come over the past 10 years, it is amazing. However, standing still and resting on our successes is not possible because new

issues continue to emerge, and DataCite must continually grow and change to address them. As I think about the future of DataCite, I know that success is certain because of the combined strength of the wonderful people who comprise our members, board, and staff. Join me as we celebrate this significant milestone together – the 10th anniversary of DataCite.

Trisha Cruse



## Message from the Executive Board President, John Chodacki

For 10 years, DataCite has been a member organization providing research data infrastructure and DOI registration services for the data repository community. As a community-led organization, it's critical that the libraries, research institutions, and data centers that house data repositories have a voice in DataCite decisions and receive the optimal services and support. For us to be successful, this requires that our membership reflects our community.

To this aim, last year we realized that, to better position DataCite for success, we must strive to realign our membership model so that all organizations that use DataCite's DOI registration services become members of DataCite. We know that this may require adjustments to some of our current members' business models and it may take different forms. However, like with all of DataCite's goals, we must look at our current membership to help us succeed together.

DataCite's board and staff strive to guide the organization toward sustainability and an equitable pricing structure. Our continued success will come from our current members helping to bring repositories into membership and consistently applying our fee structure. As with any non-profit, community-led, membership organization, we must focus on its sustainability, from a financial and community perspective. We look forward to working with our current membership to support DataCite as we grow as a strong community-led organization.

John Chodacki



## Message from the Executive Board Treasurer, Marco Marsella

The 2018 projected budget was on target, with minor variances in income and expenditures, mostly due to timing issues with grant funding, staff hires, and member

transitions from EZID. We have registered a significant increase in infrastructure and licensing costs due to considerable growth of the traffic and the addition of new tools to better manage and monitor the infrastructure.

For 2019 we expect a continuing inflow of project funding but with the share over total income slightly decreasing due to membership growth. We expect to continue this trend in the future to ensure that DataCite core services are sustainable even in the unlikely event of a shortage in project funding.

The projected 28% increase in personnel costs includes key additions to our team, necessary to boost our reach and support and promote increased membership. Project funding also partially covers such additional personnel costs.

In summary, our budget appears to be in good shape; we are actively monitoring income and expenditures to make sure DataCite has the resources needed to successfully tackle the challenges ahead.

Marco Marsella

## Membership Overview – Building Community

Data are essential building blocks of scholarship and research. At DataCite, we develop and support tools and methods that make data and related scholarly content more accessible, useful, and citable. These services and tools are developed for and used by DataCite members. The members are therefore the backbone of the organization.

With the increase in the number of members, diversity increases as well. This became very clear in 2018 and made us realize that it was time to reflect on and clarify our membership model. Together with the board, we drew the conclusion that DataCite is really a community of repositories and that we need to ensure that we give a voice to our entire community. Right now, we work directly with only 11% of repositories that use DataCite services. Without more direct interactions with the other 89%, we can't be sure that we are serving our whole community.

In 2018 we saw a new kind of member growth that aligns with our observations. Several organizations that had previously been clients joined DataCite directly because it was important to them to support the DataCite mission and be part of DataCite's governance. We also saw an increase in organizations identifying new use cases that require the use of DOIs. In addition, there was a new kind of membership in the form of consortia, groups of like-minded organizations joining forces.

## Welcome New 2018 DataCite Members!

|                                                                        |                                                                          |
|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 1. Alfred Nobel University                                             | 39. National Snow and Ice Data Center                                    |
| 2. American Geophysical Union                                          | 40. New York University Libraries                                        |
| 3. American University                                                 | 41. Oak Ridge National Laboratory -<br>Distributed Active Archive Center |
| 4. Caltech Library                                                     | 42. OCLC Inc                                                             |
| 5. Center for Open Science                                             | 43. OpenKIM                                                              |
| 6. China National Genebank                                             | 44. Pennsylvania State University,<br>University Libraries               |
| 7. City of Austin                                                      | 45. Roper Center for Public Opinion<br>Research                          |
| 8. Climate Service Centers                                             | 46. Ubiquity Press                                                       |
| 9. Columbia University                                                 | 47. Small Bodies Node, NASA Planetary<br>Data System                     |
| 10. CoMSES Net                                                         | 48. Space Telescope Science Institute                                    |
| 11. Cornell University                                                 | 49. Stanford University                                                  |
| 12. Dartmouth Library                                                  | 50. Texas Digital Library                                                |
| 13. The Global Dataverse Community<br>Consortium                       | 51. The Commonwealth Fund                                                |
| 14. FCT - Fundação para a Ciência e a<br>Tecnologia                    | 52. UNAVCO Inc.                                                          |
| 15. Florida International University                                   | 53. University Corporation for Atmospheric<br>Research (UCAR)            |
| 16. Galter Health Sciences Library &<br>Learning Center                | 54. University of Cincinnati Libraries                                   |
| 17. Global Biodiversity Information Facility                           | 55. University of Colorado Libraries<br>Boulder                          |
| 18. Human Brain Project                                                | 56. University of Illinois Urbana Champaign<br>Library                   |
| 19. Incorporated Research Institutions for<br>Seismology Data Services | 57. University of Kentucky Libraries                                     |
| 20. Indiana University Libraries                                       | 58. University of Maryland Libraries                                     |
| 21. Institute of Electrical and Electronics<br>Engineers, Incorporated | 59. University of Massachusetts Amherst<br>Libraries                     |
| 22. International Centre for Integrated<br>Mountain Development        | 60. University of Miami Libraries                                        |
| 23. INTERVALS                                                          | 61. University of Michigan Library                                       |
| 24. Johns Hopkins University                                           |                                                                          |



|                                                                               |                                                                      |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 25. King Abdullah University of Science and Technology                        | 62. University of Minnesota                                          |
| 26. LabArchives                                                               | 63. University of New Hampshire - Center for Coastal & Ocean Mapping |
| 27. Marine Biological Laboratory Woods Hole Oceanographic Institution Library | 64. University of New Mexico Libraries                               |
| 28. MBF Bioscience                                                            | 65. University of Notre Dame Du Lac, Hesburgh Library                |
| 29. Modern Language Association of America                                    | 66. University of Utah, J. Willard Marriott Library                  |
| 30. Morressier GmbH                                                           | 67. University of Wisconsin-Madison Library                          |
| 31. NASA                                                                      | 68. US National Cancer Institute                                     |
| 32. NASA Goddard Space Flight Center                                          | 69. Center for Biomedical Informatics and Information Technology     |
| 33. National Institute of Standards and Technology                            | 70. US National Oceanic and Atmospheric Administration               |
| 34. National Library of New Zealand                                           | 71. Vivli Center for Global Clinical Data Research                   |
| 35. Royal Netherlands Institute for Sea Research                              | 72. Washington University in St. Louis Libraries                     |
| 36. Rutgers University Libraries                                              |                                                                      |
| 37. Sage Bionetworks                                                          |                                                                      |
| 38. SAGE Publishing                                                           |                                                                      |

When we look ahead, we envision three different types of DataCite membership:

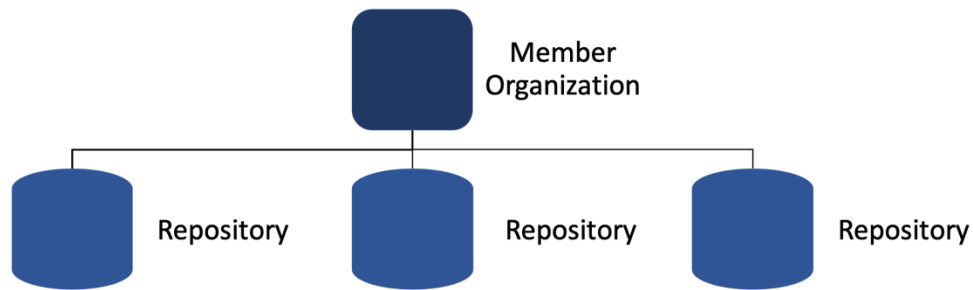
1) member-only, 2) direct membership, and 3) consortium membership.

### **Member-only**

This type of member supports DataCite's data sharing mission and wants to collaborate with DataCite and/or be part of DataCite's governance. These members do not register DOIs.

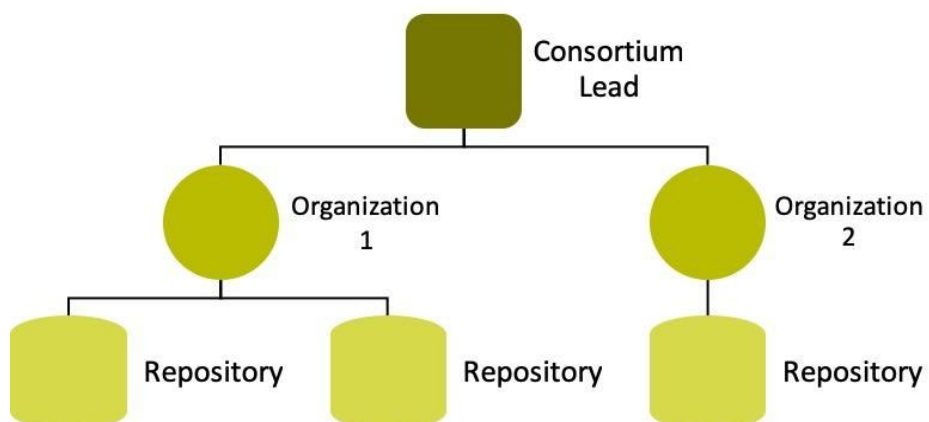
## Direct

This type of member is a consumer of DOI services and consists of an organization that works with one or more repositories within their immediate institution. The repositories are under the same administrative structure as the organization.



## Consortium

A consortium is a group of like-minded organizations that have come together to collectively participate in DataCite's community and governance activities and use DataCite's DOI services. A consortium is composed of two or more non-profit organizations that are under different administrative structures. Consortia are generally located in a single country or subject based. Organizations within a consortium can work with one or more repositories.



We encourage all organizations that are registering DOIs to become direct members of DataCite. This way, many organizations can actively participate in DataCite's community and collectively:

- 1) help shape the critical role of data in the research ecosystem -- direct membership allows you to help set DataCite's strategic direction
- 2) be part of DataCite's governance structure and shape our bylaws, approve our fee structure, and be eligible to run and stand for DataCite's Executive Board
- 3) shape and prioritize the development of DataCite services to meet an organization's needs
- 4) play a critical role in advancing DataCite's data-sharing mission through financial support
- 5) demonstrate an elevated level of commitment to open-data and open research

Organizations could consider forming a consortium under the following circumstances:

- Organizations may not have the resources or capability to join individually. This is particularly true for small organizations.
- Organizations that are already collaborating, are working within the same discipline or within the same (language) area may benefit when developing a shared PID strategy.
- Consortia can leverage relevant skills, know-how, and expertise of each organization within the consortium the organization. This can increase the uptake off DOI services without overstressing the resources of any single organization.
- A consortium with specific requirements is able to speak with one voice and allow for greater opportunities for consortium organizations to access and influence.

In 2019 we will continue to work on further alignment and implementation of this membership model.

## New Services – Architecting the Future

### **DOI Fabrica**

In May, DataCite launched version 1.0 of DOI Fabrica, our new DOI creation and management platform. DOI Fabrica offers the functionality of the previous Metadata Store (MDS) user interface, plus several new features. We've built DOI Fabrica to be a better foundation on which to build new and innovative features for our members throughout 2019 and beyond. The launch of DOI Fabrica coincides with a shift in focus for DataCite, from being the DIY DOI solution our earliest members are familiar with, to providing additional services to smooth and shape your DOI workflows more and more automatically. Ultimately, we want to deliver a first-class, full-service DOI management experience, and DOI Fabrica gives us the basis to do so going forward.

DOI Fabrica was especially important for many of our incoming members in 2018 because it added the ability to create DOIs using a form. Our previous solutions for DOI creation had involved providing an XML file, whether it was through the API or through upload via a web interface. With the DOI Fabrica form, detailed knowledge of XML is no longer necessary, since you can enter the information you need one field at a time. We started with the required metadata fields, and we'll add more fields over time until the full complement of possible fields are available for form entry.

Late in the year, we added another long-requested member service to DOI Fabrica: link checker. The link checker service runs in the background and works its way through checking

one DOI per client per day. It attempts to follow the URL that are registered in that DOI's metadata and returns information about whether or not that URL resolved and what was found at the other end. This will help our members monitor their DOIs, but we're also hoping it will help to encourage best practices for machine- and human-readable landing pages, further improving the overall utility of the PID ecosystem down the line.

## **Architecting the Future**

Some of the most exciting changes at DataCite in 2018 are not quite as visible as DOI Fabrica. Throughout the year, we have been working on significant architecture changes behind the scenes, gradually consolidating, upgrading, replacing, and simplifying the infrastructure on which our services run. We want to make our services more flexible to use and easier for our small staff to maintain. Though you might not notice them, these changes have likely already made your DOI life easier or may do so in the very near future.

The most significant of these changes is the work to consolidate our APIs. In the process of developing DOI Fabrica, we developed a new API for creating and managing DOIs that ran silently under the hood. During 2018, we merged this API with our previously released REST API for queries to make a single consolidated API that rolls up all your DOI finding and making needs in one place. We have not yet phased out the MDS API and the EZ API, and we will not for another few years, but our new consolidated REST API is now the backbone of most DataCite services and will be the home for new API features going forward.

We have also been hard at work updating our architecture to enable better, faster, more flexible searching by migrating from Solr to Elasticsearch. In 2018 we started with bringing

Elasticsearch to DOI Fabrica, and we'll continue throughout 2019 gradually replacing Solr in all of our other services. One of the benefits of this transition is that the lag time between DOI creation and DOI indexing for search happens much more quickly, on the order of minutes rather than hours.

## **Connecting PIDs**

Over the past year, DataCite has continued our collaborations with other PID providers to realize the potential of PIDs by connecting them together. This year saw the launch of the DataCite Event Data Query API that gives us more flexibility over how Event Data information is stored and queried. Event Data is a joint initiative between DataCite and Crossref to collect, connect, and expose a variety of relational “events” around our respective PIDs, including citations, references, and other relationships mentioned in PID metadata. From DataCite’s side, these relations come from the related identifiers that our members and clients submit as part of their DOI metadata. We’ve incorporated the Event Data Query API into our REST API to allow users to query the information that DataCite, in turn, submits to Event Data. Our hope is that exposing these relations will showcase the benefits of interconnected PIDs and encourage our members to contribute additional relational information about their DOIs.

2018 also saw the expansion of DataCite’s contribution to Event Data, as we made repository usage information available via the Event Data Query API. This information is submitted to us by those of our members who have implemented the COUNTER Code of Practice for Research Data furthered by Make Data Count. In the coming year, we will build on this work to expose this usage information in other services and to encourage more members to submit.

Event Data is our primary platform for enabling the PID connections that are the focus of the “PID Graph” of interconnected identifiers that is central to FREYA, a major European Commission-funded project. Our first steps to building the PID Graph are to make the kinds of connections that facilitate the exposure of two-hop relationships. To this end, during 2018 we added links to ORCID IDs and Crossref Funder IDs to Event Data. For example, it is now possible to query Event Data for an ORCID ID and get back not only that individual’s works, but also other works that cite that individual’s works. Look to Event Data for the PID Graph in practice, connecting datasets to articles to people through the power of PIDs.

## Communication, Engagement, and Outreach – Focus on Members

In 2018 we not only saw substantial member growth, but we were also able to focus on member satisfaction. We significantly strengthened outreach within DataCite by hiring a new Communications and Community Engagement Director, followed by the new role of Member Support Manager. We made a shared commitment to make support a key focus in our communication and outreach activities and these new positions ensure that members now get the attention they deserve.

As part of that, 2018 saw the first DataCite member satisfaction survey. This will be a yearly survey to ensure we collect feedback in a structured way and continue to meet member needs. Members were positive about the services we provide, our dedication to our mission, and our willingness to keep improving, but the survey also showed that support and timely communications are areas that require more attention, which is something we will focus on in 2019.

So, what did we do in 2018 to ensure members are well looked after? In August we introduced a monthly newsletter so that members do not get too many emails but are informed once a month about all the important developments within DataCite. This includes changes to services and other tech updates, but also events and projects we're participating in, support questions, and information about new members. Part of the newsletter is based on our blog posts, which appear at least twice a month.



We also revived the DataCite Community Engagement Steering Group (CESG). As a community-led organization, it's critically important that our community is involved in developing our strategy. To this end, we have several steering groups with the CESG focusing on outreach. We are very happy to have representatives from both member organizations and collaborators on the group and look forward to working closely with them as we expand our outreach strategy.

## **Support**

In 2018, DataCite received 4902 unique tickets through our support channel. Clearly, the support desk is a valuable service for our membership. Following the release of Fabrica 1.0, and a significant increase in membership, the profiles, and roles of users have diversified, and we're excited about this. We think support plays a vital role in enabling the best possible user experience for all DataCite members. This extends beyond the support channel into developing engaging and detailed documentation for members, and collaboration with to the wider community.

We also developed our DEET principles for support: Discovery, Effectiveness, Efficiency, and Timeliness. These four pillars of our approach underpin our commitment to respond quickly, asking the right questions, providing quality documentation, and gathering feedback from members and the community to help guide the DataCite product roadmap.

DataCite is built by its members and community, so providing as many channels as possible to gather feedback is essential. Product requests can come in all shapes and sizes and we aim to ensure that members have many opportunities to get their voices heard right from the outset in the member on-boarding and continuing via our support email channel and DataCite's monthly

Open Hours sessions. This year we introduced a new format for our monthly Open Hours session to ensure this became more interactive and more embedded within our support strategy. Open Hours is now really a channel for 2-way interactions and a good example of how we're bringing together our outreach and support strategies.

## **Conferences**

Once again, DataCite, together with the California Digital Library, Crossref, and ORCID, organized [PIDapalooza](#), the two-day festival that's all about persistent identifiers. On January 23-24 the streets of Dublin were filled with people wearing PIDapalooza t-shirts, DataCite beanies, and lion masks to celebrate the launch of ROR. The festival featured updates and discussions, demos and use cases, brainstorming, and networking. Festival goers could access all the presentations on [Zenodo](#). The preparations for the 2020 edition are already underway and we hope to see even more members of the DataCite community at next year's festival.

## New Projects and Funded Initiatives – Extending our Services

In 2018, DataCite engaged in a variety of collaborations and projects, but they all share a common theme of building services in support of our members and working with new communities. DataCite continues to be involved in many collaborative and funded initiatives – all with the goal of improving our services, changing communities of practices, and advocating for data sharing. Below are some of the highlights along with new initiatives from 2018.

**Project Title:** maDMP

**Funder:** National Science Foundation, EAger Grants

**DataCite Funds:** 92272.69€

**Duration and Start Date:** 24 mo., January 1, 2019

**Partners:** California Digital Library and DataCite

**Objectives:** maDMP will focus on creating metadata and DOIs for DMPs so they can be connected to other components of research.



**Project Title:** [FAIRsFAIR](#)

**Funder:** European Commission, Horizon2020 program

**DataCite Funds:** 242500€

**Duration and Start Date:** 36 mo., January 1, 2019

**Partners:** The project is a pan-European collaboration of 22 partners with six core partners: DANS in the Netherlands (lead), CSC in Finland, the DCC and the STFC in the UK, Trust-IT in Italy and the European University Association (EUA) in Belgium.

**Objectives:** This project will supply practical solutions for the use of FAIR data principles throughout the research data life cycle. DataCite will work on integrating re3data into the mix.



**Project Title:** [FREYA](#)

**Funder:** European Commission, Horizon2020 program

**DataCite Funds:** 877500€

**Duration and Start Date:** 36 mos, Dec. 1, 2017

**Partners:** Science and Technology Facilities Council (STFC) (lead), European Organization for Nuclear Research (CERN), European Bioinformatics Institute (EMBL-EBI), The British Library, PANGAEA, Data Archiving and Networked Services (DANS), Australian National Data Service (ANDS), ORCID, Crossref, Hindawi, Public Library of Science (PLOS).



**Objectives:** FREYA, the successor to THOR, got underway in 2018. The mission of FREYA is to foster a robust environment for a range of persistent identifiers as an essential component of the European Open Science Cloud (EOSC). FREYA partners are providing the essential building blocks for supporting changes in the way researchers work and the tools they use. This is all coming together in a new vision for how research is conducted, exploiting the full potential of Open Science and is a core to DataCite's strategic mission.

**Project Title:** PARSEC: Building New Tools for Data Sharing and Reuse through a Transnational Investigation of the Socioeconomic Impacts of Protected Areas

**Funder/Sponsors:** French National Research Agency, France; National Science Foundation, USA; São Paulo Research Foundation, Brazil; Japan Science and Technology Agency, Japan

**DataCite Funds:** 177070€

**Duration and Start Date:** 24 mo., May 1, 2019

**Partners:** American Geophysical Union, Ecological Society of America, European Geosciences Union, Japan Geoscience Union, Earth Science Information Partners, RDA, etc.), ORCID, DataCite, Research Data Alliance.

**Objectives:** PARSEC will address the following two issues: 1) large amounts of research data related to the Earth and its ecosystems are either not well preserved or preserved at all and 2) there is also limited information on how diverse data are re-used for research and quantifying the value of curated data for such purposes, and how the quality of data preservation affects these outcomes.

**Project Title:** [Make Data Count](#)

**Funder:** The Sloan Foundation

**DataCite Funds:** 171500€

**Start Date & Duration:** 05/01/17; 24 mos.

**Partners:** California Digital Library (lead), DataONE

**Objectives:** Understanding the reach and use of research data is a top priority for DataCite. Currently, there is a lack of services and practices for measuring activities related to data sharing, use, reuse, and citation. With the Make Data Count project, DataCite, working with the California Digital Library (CDL) and the DataONE initiative, is developing and deploying the social and technical infrastructure that will elevate data to the level of first-class research content (alongside more traditional outputs such as publications). The Make Data Count project hit a major milestone in February 2018 with the first release of a code of practice for research data usage metrics.<sup>1</sup> Usage statistics and citation metrics are now available for repositories.



**Project Title:** [Research Organization Registry \(ROR\)](#)

**Partners:** Crossref, DataCite, Digital Science

**DataCite Funds:** 177070€



<sup>1</sup> Fenner M, Lowenberg D, Jones M, Needham P, Vieglaiss D, Abrams S, Cruse P, Chodacki J. (2018) Code of practice for research data usage metrics release 1. PeerJ Preprints 6:e26505v1 <https://doi.org/10.7287/peerj.preprints.26505v1>

**Start Date:** July 1, 2018

**Objectives:** ROR was launched in January 2019, and provides organization identifiers that are globally unique, stable, discoverable, and resolvable. In addition, ROR will develop appropriate metadata schema for organizations and explore interoperability with other identifiers through relationship metadata.

**Project Title:** [Towards a FAIR Digital Ecosystem in the Cloud](#)

**Funder:** The National Institutes of Health (NIH)

**DataCite Funds:** 34300€

**Start Date & Duration:** 12/01/17; 6 mo.

**Partners:** Harvard IQSS, Massachusetts General Hospital

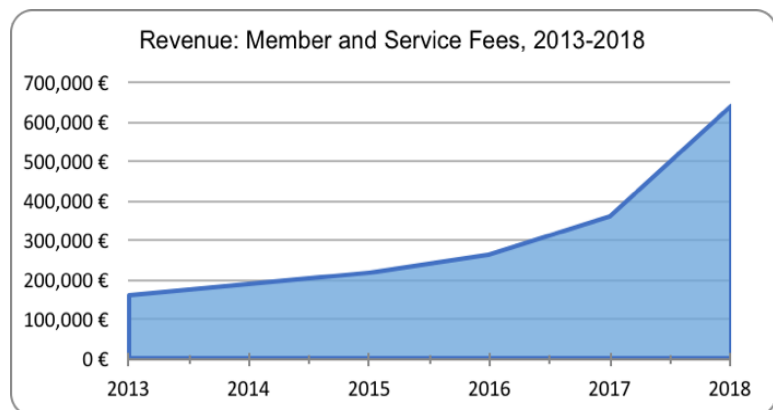
**Objectives:** NIH's Big Data to Knowledge (BD2K) Data Commons Pilot was a 6-mos. project and tested the feasibility of (and develop best practices for) making NIH-funded datasets and computational tools available through communal, collaborative platforms on public clouds. DataCite, together with partners, developed the following services: GUIDs Core Metadata, Compact ID Metadata Service, and an Object Registration Service.



## Financial Overview

DataCite is a not-for-profit organization sustained by membership and service fees from our member organizations and grants from funding agencies. Our primary objective is to achieve financial sustainability by controlling our expenses and increasing our membership. In line with this objective, DataCite continuously invests in a robust, scalable, and trusted infrastructure and services.

Solid, continuous, and predictable funding – via member and service fees – is essential for sustaining DataCite’s core DOI services. In 2018, we saw a sharp increase in revenue from membership and service fees. Our income from fees


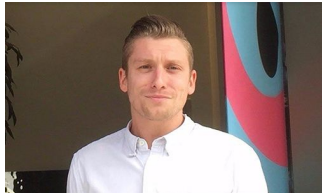



increased by nearly 70% in 2018, from 360,832€ in 2017 to 601,167€ in 2018.

The growth in membership and services uptake resulted in increased costs for additional staffing, the dedicated Member Support Manager, and infrastructure services. Grant funding is another important component of DataCite’s financial structure. Grants allow DataCite to build and test new services, engage with new communities, and adapt emerging services. Moreover, the outcomes from our grant initiatives allow us to bring innovation directly to our members, which is a huge win for the DataCite community. At the same time, there is a strong dependency on grant funding which we would like to reduce proportionally to our income from







fees from currently nearly 50% to 25% in the future. We are optimistic that our new member model will help accomplish this goal.

## Executive Board Roster

|                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                          |
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|  <p><b>John Chodacki</b> (President) is responsible for overseeing the strategic planning, development, and management of the California Digital Library's digital curation group, University of California Curation Center.</p>                         |  <p><b>Adrian Burton</b> is Director of Data Policy and Services at the Australian Research Data Cloud which is a government-funded research infrastructure for data, cloud, and tools. He has been involved in the leadership of a number of national infrastructure initiatives.</p> |
|  <p><b>Adam Farquhar</b> (Deputy President) is Head of Digital Scholarship at the <a href="#">British Library</a>, where he focuses on establishing services for scholars and researchers.</p>                                                           |  <p><b>Mike Frame</b> is Chief Scientific Data Integration and Visualization at <a href="#">USGS</a>. He participates in a number of interagency cyberinfrastructure, data integration, and scientific activities.</p>                                                                 |
|  <p><b>Mark Hahnel</b> is the founder of <a href="#">figshare</a>, a repository where users can make all of their research outputs citable, shareable and discoverable. He has a PhD in stem cell biology at Imperial College London.</p>              |  <p><b>Marco Marsella</b> (Treasurer) is Senior Advisor Global Information System at <a href="#">FAO</a>, where he contributes to the design of the system and the promotion of DOIs in the Plant Genetic Resources community.</p>                                                   |
|  <p><b>Salvatore Mele</b> is head of Open Access at <a href="#">CERN</a>, where he co-architected the SCOAP3 initiative. His team develops solutions for Open Data and runs INSPIRE, a global Open Access digital library for High-Energy Physics.</p> |  <p><b>Irina Sens</b> (ex-officio) is the Deputy Director at the German National Library of Science and Technology. She led the German project that was responsible for the introduction of DOIs for data.</p>                                                                       |



## Staff Roster

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|  <p><b>Patricia (Trisha) Cruse</b>, Executive Director, leads DataCite with a strong commitment and passion for data sharing. As Executive Director, her role is to advance DataCite's mission, build strategic partnerships and work with a diverse community of stakeholders.</p>                       |  <p><b>Helena Cousijn</b>, Communications Director, is responsible for all DataCite's outreach activities. She's committed to DataCite's mission of enabling data sharing and reuse and is especially passionate about data citation. Her main goal is to communicate in a way that makes DataCite's services accessible to everyone.</p>                                                                    |
|  <p><b>Robin Dasler</b>, Product Manager, oversees the development of products. Before joining DataCite, Robin was a senior fellow in CERN's Scientific Information Service and lead of the sustainability segment of the THOR Project.</p>                                                               |  <p><b>Britta Dreyer</b>, Business Manager, providing member support, managing our finances, and managing DataCite's day-to-day business are her main activities. She holds a BSM from the Pepperdine University and an MBA from the University of Applied Sciences and Arts in Hannover.</p>                                                                                                                |
|  <p><b>Martin Fenner</b>, Technical Director envisions, develops, implements, and manages a robust technical architecture for DataCite as well as DataCite's technical contributions for grant-funded initiatives. Until 2015 he was the technical lead for the PLOS Article-Level Metrics project.</p> |  <p><b>Kristian Garza</b>, Application Developer, contributes to the development and implementation of a robust technical architecture for DataCite as well as DataCite's technical role in the Make Data Count Project. Improving to the community-wide adoption of good data sharing practices is one of his main goals. Kristian holds a PhD in Computer Science from the University of Manchester.</p> |



**Richard Hallett**, Application Developer, joined DataCite in late 2017. Having worked for several years in software development

for a variety of different organizations and industries (from large multinational companies, to small web agencies, to not for profits and then back into the commercial sector with e-commerce), Richard is pleased to be working in an open-source environment.



**Mary Hirsch**, Member Support Manager, takes care of making sure DataCite provides exceptional support for its community. Mary worked as a technical analyst at a global information company before transitioning to work as a

documentalist at a research institute in Barcelona. She is passionate about Open Science.