



# Annual Report FY2021-22



## Membership & User Community

This annual report highlights DSpace's 20-year history with strong membership support and active participation from a wide variety of stakeholders from organizations located all over the world. This annual report focuses on the fiscal year July 1, 2021 - June 30, 2022 and the community's achievements.

### Releases

On July 29, 2021, the community released DSpace 7.0, the largest release in DSpace history with over a million lines of new/updated code. The community followed this up with three additional 7.x releases (7.1 to 7.3) this fiscal year. Each release added bug fixes, improvements, and new features to the 7.x platform.

- **7.0 July 2021**
- **7.1 November 2021**
- **7.2 February 2022**
- **7.3 June 2022**

The DSpace Program is fostered by its global community. Representatives from member organizations plan, implement, develop, and sustain DSpace with input from community groups including DSpace Steering Group, DSpace Leadership Group, DSpace Committers, DSpace Community Advisory Team (DCAT), DSpace Marketing Interest Group, and DSpace Users Groups.

### DSpace AT A GLANCE

4 Releases: DSpace 7.0, 7.1, 7.2, and 7.3.

In addition to releasing DSpace 7, the DSpace Community launched a new website, <https://dspace.lyrasis.org/>, and remodeled the Service Provider Program.

#### Total Known Installations

**3,199**



#### New Members

**01**



(as of July 2022)

#### Total Members

**92**



#### DSpace YouTube Video Views

**356**



with over 10,000+ views



**3.67%**

New Installations



**1938**

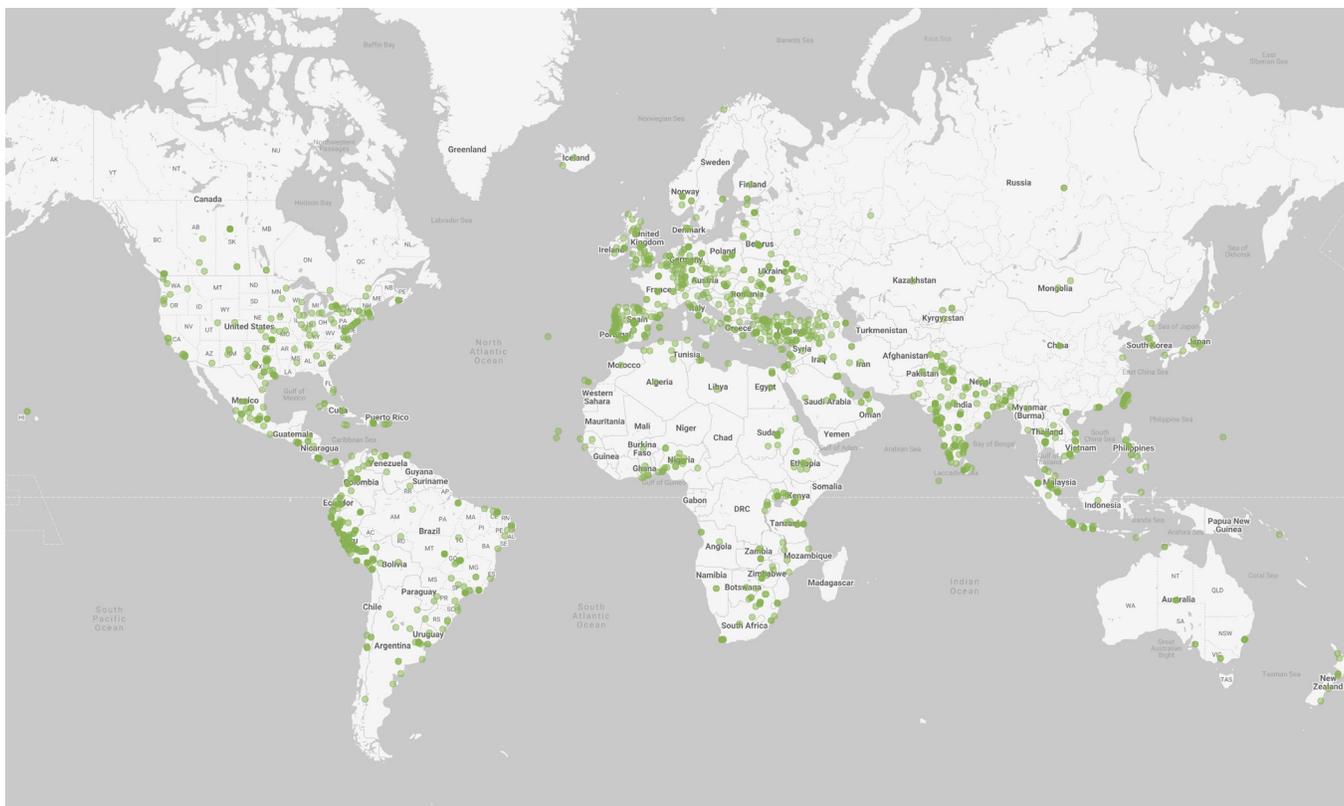
Twitter Followers

## DSpace Around the World

The DSpace Community is the broadest open source repository community globally. In the DSpace User Registry there are 3199 registered instances of DSpace. This is a 4.85% increase from last fiscal year. The uptick of registered instances may be due to the largest stable release of DSpace 7 and the sunsetting of support for both DSpace 5 and DSpace 6 scheduled for 2023. There may be many more DSpace instances running that have not registered.

We encourage users to register their site using the online registry at:

<https://duraspace.org/registry/>



## About DSpace Members

DSpace members are leaders from universities, library organizations, and others, who have made a financial commitment to our open source programs. DSpace members are partners in governance, active within the community and provide leadership, development, documentation, contributions, and investments ensuring the sustainability and ongoing advancement of the DSpace program.

Between 2021 – June 30, 2022, DSpace gained 1 member, bringing the total number of DSpace members to 92.



For a full list of members supporting DSpace:

<https://www.lyrasis.org/programs/Pages/DSpace.aspx>

We appreciate our members. Their leadership and commitment to DSpace goes beyond financial support. Our members participate and contribute their expertise and skills with various Working Groups making the program possible.

## DSpace Service Providers

Along with DSpace members, DSpace Service Providers make an investment in our open technologies and a commitment to work cooperatively to best serve the community of users.

In 2021, we redesigned the Service Provider Program (RSP). The program has 3 levels: Platinum, Gold, and Silver. Service Providers can also become Certified Providers if they meet a minimum of development hours.

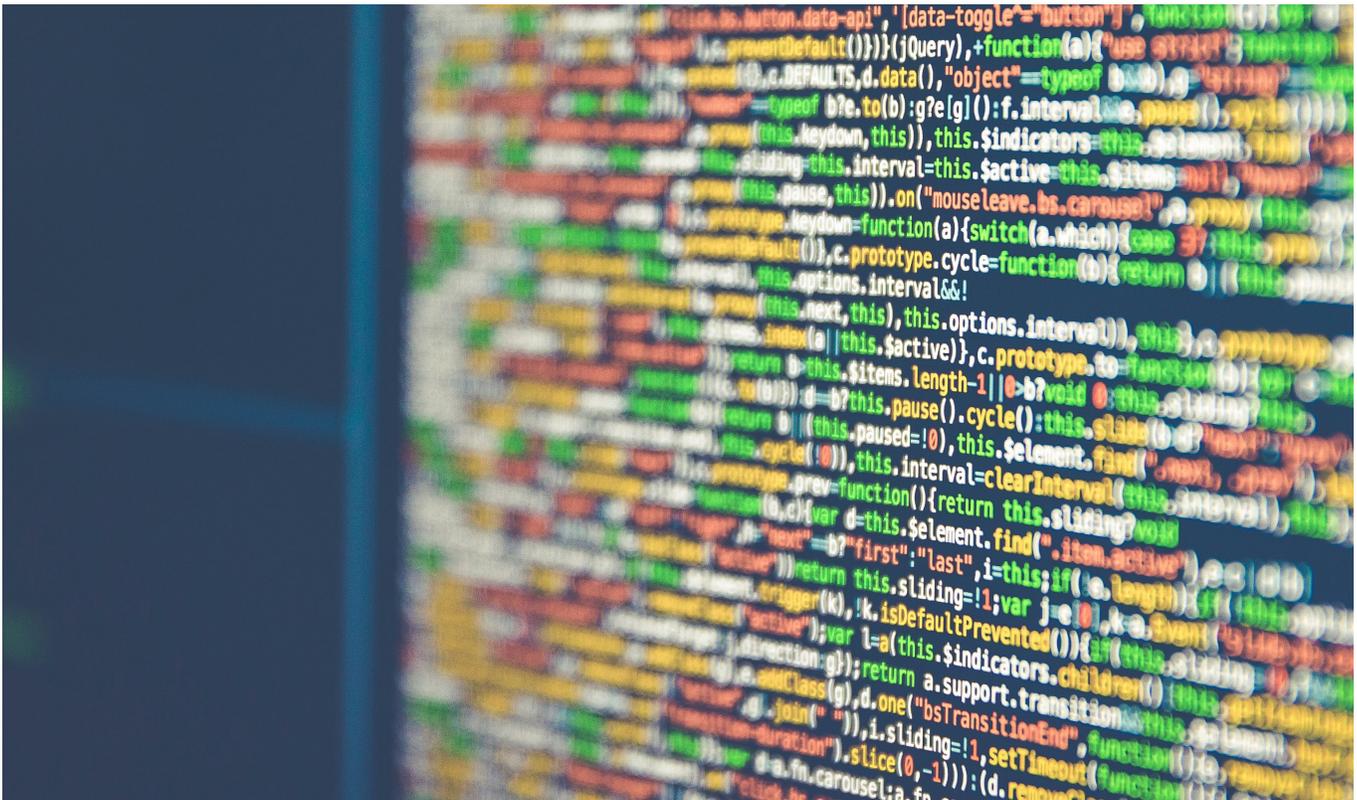
We changed the structure of the RSP program after five years of experience with over 20 different Providers around the world. We did it because we believe the Service Provider Program should be an important part of the sustainability and growth strategy of the

DSpace community and support two key areas: technical contribution and community engagement.

The new program is about stimulating the active participation of commercial vendors in community activities, lowering the annual fees according to the amount of hours the providers are contributing back to the community. Technical contributions (code development, bug fixing and reviews) and new membership support are the most valuable activities for DSpace and they are recognized as such to the providers.

As of June 30, 2022, there are 3 Certified DSpace Platinum Providers, and 2 Silver Service Providers.

The DSpace Service Providers are crucial to the success of the global DSpace Community. They support users and members across the globe, they help institutions with training, customizations and development. In some regions, they also coordinate DSpace National User Groups, running online and in person events. Among all the Service Providers, we'd like to especially thank our Certified DSpace Partners: 4Science, ATMIRE and The Library Code. Our Certified Providers are members of the DSpace Leadership Group and together with institutions from 100 countries and LYRASIS, they are involved in defining priorities and the strategic direction of DSpace.



## Technical Overview

Over the last fiscal year, DSpace launched 7.0, following it up with three additional releases (7.1, 7.2 and 7.3) to add in new features, bug fixes, and improvements. DSpace 7 represents a major evolution of the DSpace platform, including new features.

### New features in 7.0

- A completely new Javascript-based User Interface, built on Angular.io (with support for SEO provided by Angular Universal). This new interface is customizable via HTML and CSS (Sass) and Bootstrap.
- A completely new, fully featured REST API, provided via a single “server” webapp backend. This new backend is not only a REST API, but also still supports OAI-PMH, SWORD (v1 or v2) and RDF.
- A newly designed search box / experience, available throughout the site.
- A new MyDSpace area to manage your submissions & reviews, MyDSpace includes a new drag & drop area to start a new submission, and easily search your workflow tasks or in progress submissions to find what you were working on.
- A new configurable submission user interface, featuring a one-page, drag & drop submission form.
- Optional, new Configurable Entities feature. DSpace now supports “entities”, which are DSpace Items of a specific ‘type’ which may have relationships to other entities.
- Improved GDPR alignment
- Support for OpenAIREv4 Guidelines for Literature Repositories in OAI-PMH
- User interface translations added for Dutch, Finnish, French, German, Hungarian, Latvian, Portuguese, and Spanish

### New features in 7.1

- Request a Copy (ported from DSpace 6.x)
- Item Versioning (ported from DSpace 6.x)
- OAI Harvesting (ported from DSpace 6.x)
- Support for International Image Interoperability Framework (IIIF)

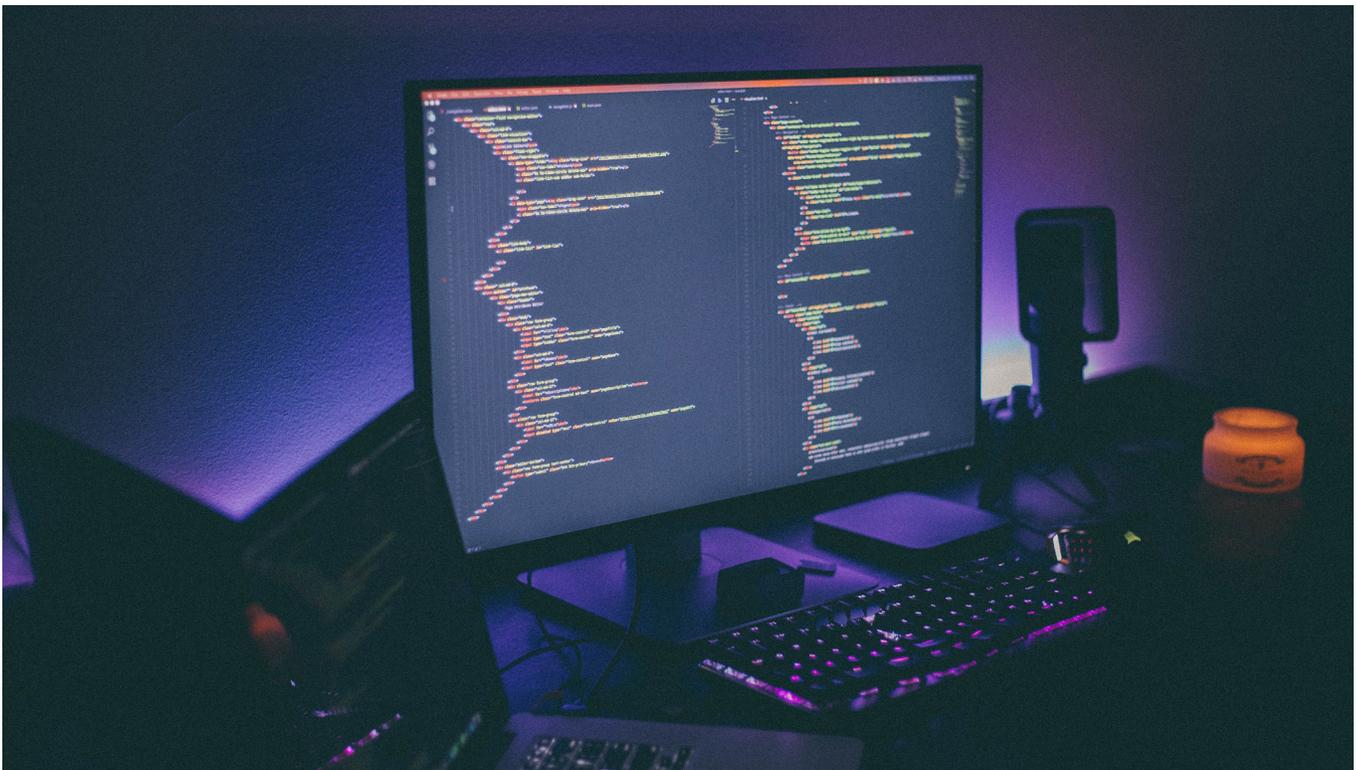
## New features in 7.2

- Item level embargoes (ported from DSpace 6.x)
- Feedback form (ported from DSpace 6.x)
- Support for OpenID Connect (OIDC) Authentication
- User interface translation added for Scottish Gaelic

## New features in 7.3

- Validation of batch metadata changes before applying, and exporting metadata from search results (both ported from DSpace 6.x)
- Support for SHERPA/RoMEO publisher policies in Submission (ported from DSpace 6.x)
- Support for Type-based fields in Submission (ported from DSpace 6.x)
- Tombstone pages for withdrawn items (ported from DSpace 6.x)
- Support for RSS / Atom feeds (ported from DSpace 6.x)
- Support for ORCID Authentication & synchronization to a DSpace Researcher Profile
- Support for nine new import sources (including CrossRef, Scopus, Web of Science, etc.)
- User interface translations added for Bengali and Turkish

Additional information about each release & feature documentation can be found in the **DSpace 7.x Release Notes**.



## Major Contributing Institutions

The following institutions have been major code contributors to the DSpace 7 release which includes DSpace 7.1, 7.2, and 7.3

- 4Science
- Atmire
- FCT / RCAAP

## Financial Contributors

We gratefully recognize the following institutions who together have generously contributed financially to support the DSpace 7 staged release program (see **DSpace 7 Release Goals**), and individuals who devoted time to fundraising:

- Auburn University
- Cornell University
- Pascal Becker
- Dalhousie University
- Duke University
- ETH Zurich, ETH Library
- Fraunhofer Gesellschaft
- Imperial College London
- Indiana University–Purdue University, Indianapolis
- LYRISIS
- National Library of Finland
- Beate Rajski
- Staats- und Universitätsbibliothek Hamburg – Carl von Ossietzky
- Technische Universität Berlin
- Technische Universität Hamburg (TUHH)
- The DSpace-Konsortium Deutschland
- The Helmut-Schmidt-Universität/ Universität der Bundeswehr Hamburg
- The Library Code GmbH
- The Ohio State University
- Texas Digital Library
- University of Arizona
- University of Edinburgh
- University of Kansas
- University of Minnesota
- University of Missouri
- University of Toronto
- World Bank
- ZHAW

For a full list of all contributors to DSpace 7, please see the Release Notes:

<https://wiki.lyrasis.org/display/DSDOC7x/Release+Notes>

## Financials

DSpace Governance is committed to seeking out opportunities to find and diversify revenue and fundraising efforts to support DSpace. There are two new funding opportunities for DSpace for this fiscal year: **Sustainability Coalition for Open Science Services (SCOSS) and DSpace Development Fund (DDF)**.

**DSpace Development Fund** – approximately \$ 65,000 was raised in FY21-22.

**SCOSS** – Organizations have pledged approximately \$ 148,000 over 3 years to support new DSpace staff positions

- California Digital Library, University of California
- Canadian Research Knowledge Network
- Consortium of Swiss Academic Libraries
- CSIC - Consejo Superior De Investigaciones Cientificas (CSIC)
- Council of Australian University Librarians (CAUL)

**DSpace gratefully acknowledges the following organizations for their contributions to the DSpace Development Fund:**

- Charité - Universitätsmedizin Berlin - Medical Library
- Freie Universität Berlin, Universitätsbibliothek
- Georgia Tech Library
- Humboldt Universität zu Berlin
- Indiana University, Purdue University, Indianapolis (IUPUI)
- Technische Universität Berlin
- Technische Universität Hamburg
- Universitäts- und Landesbibliothek Darmstadt
- Universitätsbibliothek Kassel
- Universität Konstanz
- Universität des Saarlandes
- University of Arizona Libraries
- University of Edinburgh
- University of Kansas
- Virginia Tech University Libraries

**2021-2022**Revenues**\$546,624**Expenses**\$469,542**Net Assets**\$67,603**Total income**\$51,207****2020-2021**Revenues**\$411,159**Expenses**\$419,414**Net Assets**\$16,396**Total income**\$-8,255****2019-2020**Revenues**\$488,583**Expenses**\$461,356**Net Assets**\$24,651**Total income**\$27,228**

\*The financials above include the SCOSS and DDF funding amounts.

## Thank you to the Community



The biggest asset of DSpace is the strength of its community. We appreciate the commitment of DSpace members and all those contributing with code and through the DSpace Development Fund and SCOSS to support the releases of DSpace 7.1, 7.2, and 7.3. Together we are building a sustainable future for DSpace software and its essential role in the global open repository ecosystem.

Maureen Walsh, Chair, DSpace Leadership and Steering Groups