



Invest in Open
Infrastructure

Beyond Connectivity: Simplifying Open Infrastructure Discovery and Adoption with Infra Finder

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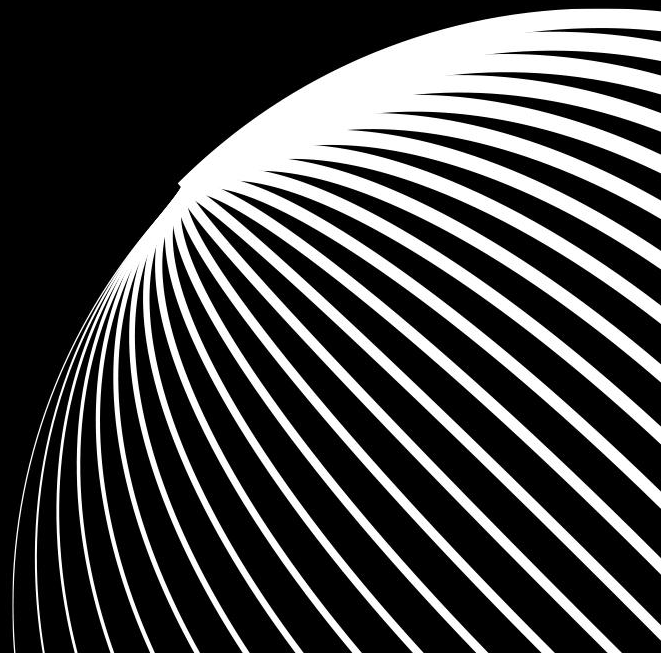
EGI2024
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investinopen.org |
@investinopen

We work to increase the investment in and adoption of open infrastructure to further equitable access to and participation in research.



For open knowledge to flourish, our systems also need to be open. Our work seeks to advance a vision where **open infrastructure is the default in research and scholarship.**



Who we are

We bring deep experience to how we source, assess, and support projects.



Kaitlin Thaney

Executive Director

- Wikimedia Endowment
- Mozilla Foundation
- Digital Science
- Creative Commons



Emma Green

Business Development & Partnerships Lead

- Delta Think
- Hindawi



Gail Steinhart

Research Data Analyst

- Atmire
- Cornell University Library
- arXiv



Katherine Skinner

Research Lead

- Educopia Institute
- The Maintainers
- Software Preservation Network
- Library Publishing Coalition



Nicky Wako

Business Development & Partnerships Lead

- GÉANT
- Ministry of Foreign Affairs and International Cooperation, Republic of South Sudan



Lauren Collister

Engagement Coordinator, Infrastructure

- University of Pittsburgh Library System
- Linguistic Society of America



Emmy Tsang

Engagement Lead

- eLife
- TU Delft Library
- European Molecular Biology Laboratory



Chrys Wu

Product Lead

- GitHub
- O'Reilly Media
- The New York Times
- Hacks/Hackers



Jerry Sellanga

Engagement Coordinator, Networks

- 2SCALE
- Amani Institute
- OI Pejeta Conservancy

What do we mean by Open Infrastructure?

Infrastructure

Digital infrastructure that the academic ecosystem needs in order to perform its functions throughout the research lifecycle. A service, protocol, standard or software.

Open

We view open as spectrum, rather than binary. Our focus is on services that are open-source, distribute open access content, are free to use, are community-governed, and/or are non-profit.



(logo's excluded)

Who are our Stakeholders?

Research Institutions

Infrastructure Providers

Policymakers

Funders

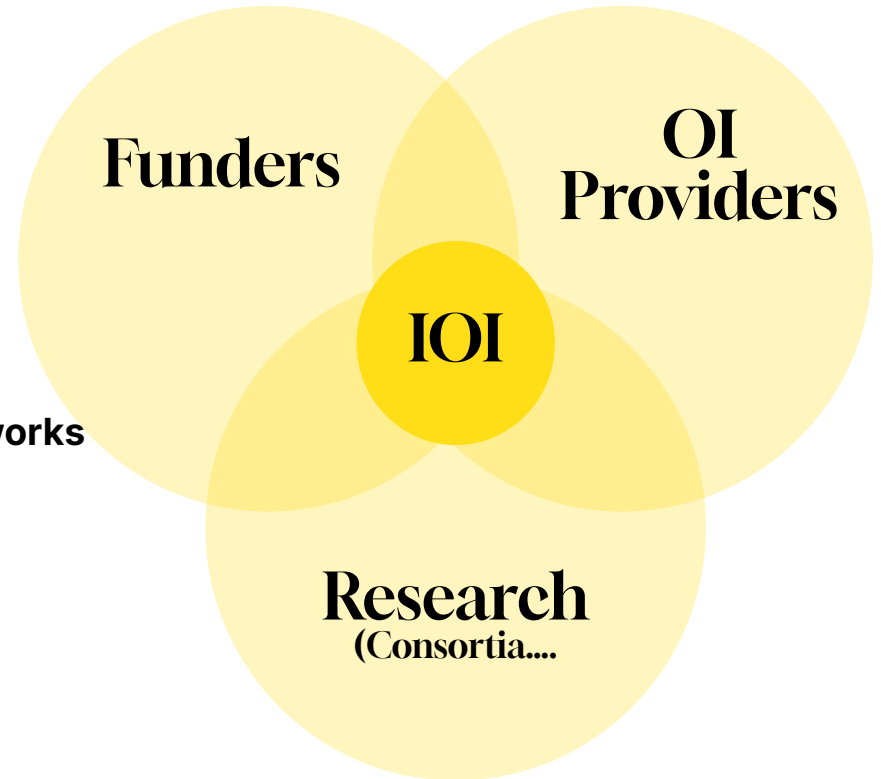
National and Regional Research & Education Networks

Scholarly societies and publishing organizations

R&D

Higher Education Institutions

Librarians



Shared digital infrastructure is critical to accelerating open science and driving innovation.

Challenges (Why do we do it)

Access to knowledge and data is critical to address global health challenges, climate change, economic development and more. Despite this shared belief, we're facing increased **consolidation of tools, content, and pricing that makes participation in research cost-prohibitive.**

Open infrastructures provide more inclusive, viable, and affordable solutions to further open and equitable science, but themselves face challenges in adoption and so sustainability.

Funding from philanthropy, government, & institutions empowers services to be **mission-oriented.**



Community-development and governance center **researchers' needs.**



Open source solutions can be interrogated, and built on and so **adapted** as needs change and grow.



Many alternatives exist to serve specific communities providing **choice** to institutions.



Services can be vulnerable to changes in leadership and can struggle with funding long-term operations and maintenance.

Communities are straddled with the cost of development without additional funding, leading to reliance on unpaid labor.

Resource constraints within adopters/infrastructures can mean that implementation and usability of open source solutions is costly and time-consuming.

Lack of sustainable funding models and low adoption rates can lead to unhealthy and unnecessary costs and competition.

What we do/How we seek to achieve our mission

Data Room

Evidence-based tools and products to support decision makers in adopting, developing, and investing in open infrastructure

Strategic Support

Targeted engagements to implement IOI research recommendations, further adoption of open infrastructure, and build the resilience and sustainability of the knowledge sector

Funding Pilots

Research-driven funding pilots to diversify the sources and mechanisms for funding open infrastructure and ensure a healthy, resilient, sustainable future for research and scholarship



**IOI
Mission**

Three **core programs** working together to advance IOI's mission to **increase investment in and adoption of open infrastructure**. Across these programs, IOI **focuses on infrastructure that furthers open access to data and research**, in line with UNESCO's Open Science Declaration, the Barcelona Declaration, the Nelson memo, G7 Communique, and EU Council guidance.



Invest in Open
Infrastructure

Infra Finder: a new tool to facilitate the discovery and adoption of open infrastructure

infracfinder.investinopen.org



Up-to-date, verified information

IOI works closely with infrastructure service providers to keep Infra Finder up to date



Key information in a centralized location

Infra Finder showcases extensive information on the common areas of consideration for institutions and stakeholders



An easy-to-use comparison view

You can compare up to four infrastructure services side-by-side, with links to more detailed information.



Learn more about a solution

Overview

DSpace

Lyrasis

United States of America

[Website](#) [Pricing Info](#) [Get in Touch](#)

[About](#) [Mission](#) [Technical](#) [Community](#) [Policies](#) [Additional Information](#) [Funding](#)

About

Launched: 2002 Record Updated: May 29, 2024

Repository software

DSpace is a web application, allowing researchers and scholars to publish documents and data. While DSpace shares some feature overlap with content management systems and document management systems, the DSpace repository software serves a specific need as a digital archives system, focused on the long-term storage, access and preservation of digital content thus making DSpace the software of choice for academic, non-profit, and commercial organizations building open digital repositories. It is free and easy to install "out of the box" and completely customizable to fit the needs of any organization.



Learn more about a solution

Technical
attributes

Technical Attributes

Maintenance Status

✓ Implemented

Open Code Repository

✓ Implemented

[Website ↗](#)

Technical Documentation

✓ Implemented

[Website ↗](#)

Code License

✓ Implemented

Open API

✓ Implemented

[Website ↗](#)

Open Data Statement

✓ Implemented

[Website ↗](#)

Open Product Roadmap

✓ Implemented

[Website ↗](#)

Code License:
<https://dspace.lyrasis.org/license/>



Learn more about a solution

Governance

Policies & Governance

Governance Summary

[DSpace governance](#) is based on a representative, community-based membership model incrementally rewarding members who have made the greatest commitments to the project. It consists of a Leadership Group, Steering Group, and Working Groups.

Policies

Bylaws

✓ Implemented

[Website](#) ↗

Commitment to Equity & Inclusion

✓ Implemented

[Website](#) ↗

Privacy Policy

✓ Implemented

[Website](#) ↗

Web Accessibility Statement

✓ Implemented

Applies to Solution

Governance Records

✓ Implemented

[Website](#) ↗

Governance Structure & Processes

✓ Implemented

[Website](#) ↗

Transparent Pricing and Cost Expectations

✓ Implemented

[Website](#) ↗



Compare solutions

57 solutions
(and growing)

Compare Solutions

Mukurtu CMS

Center for Digital Scholarship and Curation
📍 United States

Mukurtu (MOOK-oo-too) is a content management system and access platform built with Indigenous communities to manage, share, and circulate their digital heritage in culturally relevant and ethically-minded ways.

Archive information management system

Digital asset management system

[Learn More →](#)

DSpace

Lyrisis
📍 United States of America

DSpace is a web application, allowing researchers and scholars to publish documents and data. While DSpace shares some feature overlap with content management systems and document management systems, the DSpace repository software serves a specific need as a digital...

Repository software

[Learn More →](#)

Technical

Maintenance Status

Actively maintained

Actively maintained

Open API

✓

✓

Open Data

—

✓

Open Code Repository

✓

✓

Technical Documentation

✓

✓

Open Product Roadmap

✓

✓

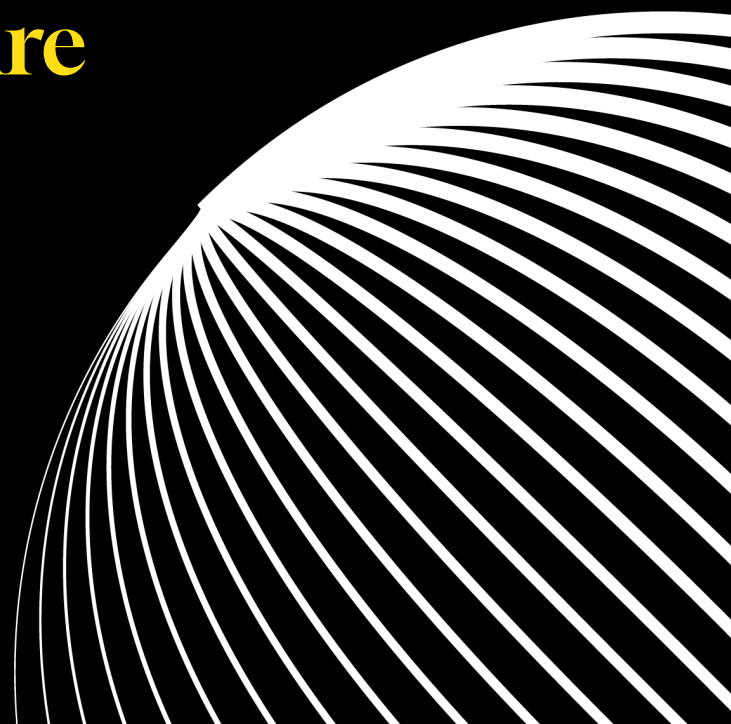


Invest in Open
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The 2024 State of Open Infrastructure Report



Full Report





Report objectives

Raise the profile of
open
infrastructure

Illuminate
patterns in funding

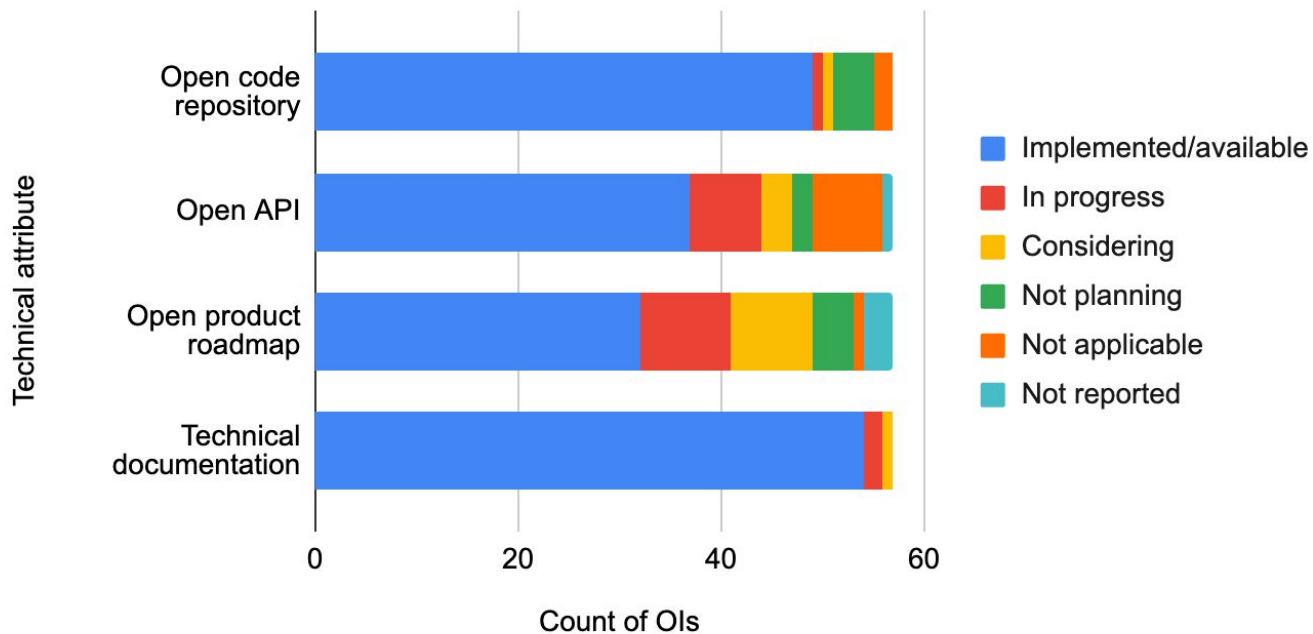
Establish a
baseline of
information

Investigate
selected topics

Identify possible
courses of action

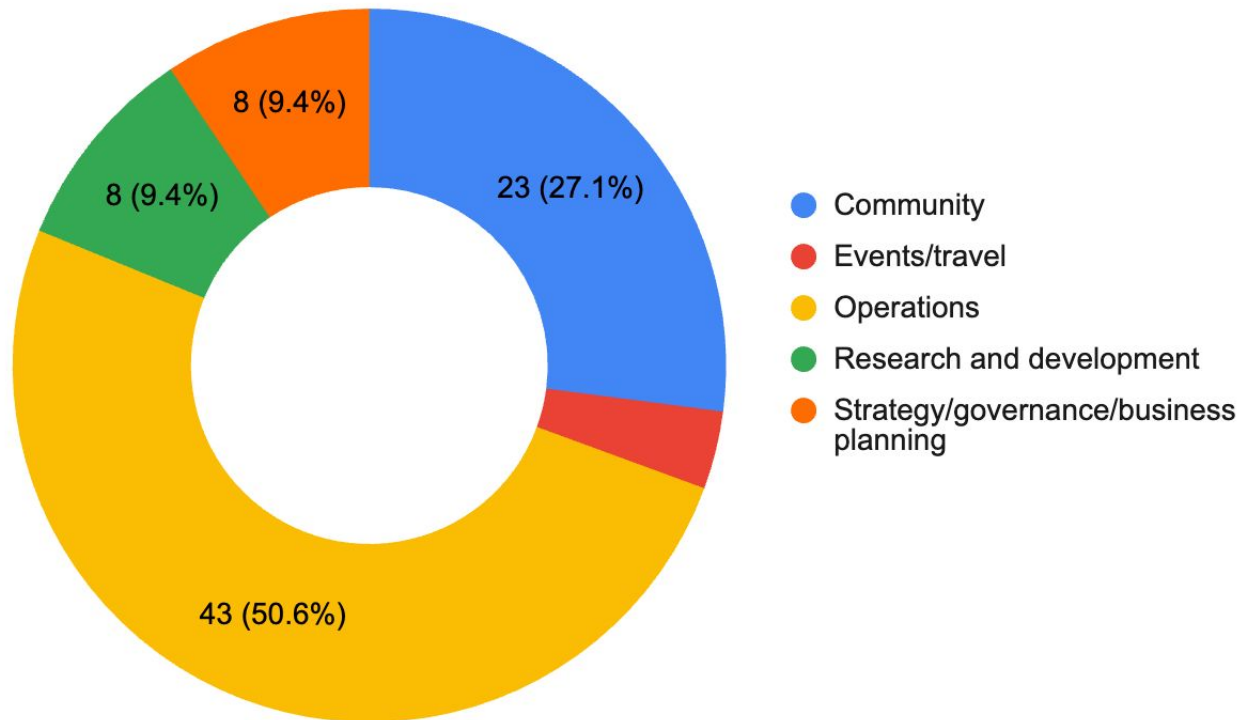


Technical attributes





Funding needs





Infra Finder is created with the community

40+

**User research sessions &
provider conversations**

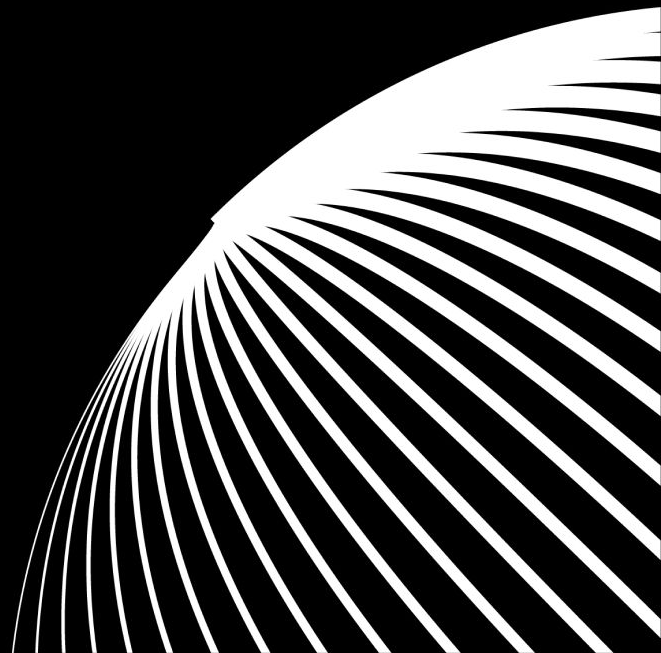
Refining Infra Finder's utility,
data, value, and user
experience

**Inspired by & built upon
existing resources and
work**

Including SComCat, POSI,
HELIOS, Re3data,
fairsharing.org, and more

**Taking a Launch &
Learn approach**

Use the tool and give
feedback





Invest in Open
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Let's collaborate

investinopen.org/add-an-infrastructure-to-infra-finder/

Can we chat?

We're currently conducting discovery interviews to inform our future roadmap

Add your infrastructure

We're expanding and specifically interested in research software and data management and sharing solutions

Share your thoughts

Visit Infra Finder and complete our brief survey

Thank you

To support or learn more
about IOI's work
please contact

engagement@investinopen.org



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