Introduction to

DataCite and our Global

Access Program (GAP)

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'Better Together: Improving Access to the Global Scholarly Record'
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Agenda

- DataCite
  - About DataCite
  - Persistent Identifiers (PIDs)
  - Strategic Initiatives
  - Projects

- Global Access Program (GAP)
  - Introduction & GAP Team
  - Outreach
  - Infrastructure
 - Global Access Fund (GAF)

About DataCite

We are a global community that shares a common interest: to ensure that research outputs and resources are openly available and connected so that their reuse can advance knowledge across and between disciplines, now and in the future.

As a community, we make research more effective with metadata that connects research outputs and resources–**from samples and images to data and preprints**. We enable the creation and management of persistent identifiers (PIDs), integrate services to improve research workflows, and facilitate the discovery and reuse of research outputs and resources.

Our commitment to **openness**

DataCite

- Community governed, driven and sustained
- Open metadata, open source
- Enable recognition for a wide range of outputs and resources
- Help build transparency and trust
- Collaboration across the research ecosystem
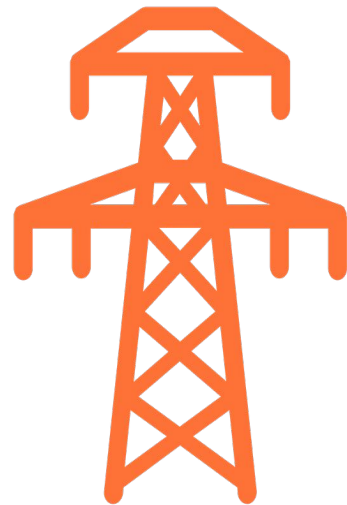
We are committed to the
Principles of
Open Scholarly
Infrastructure (POSI)

Our Community

2900+
Repositories
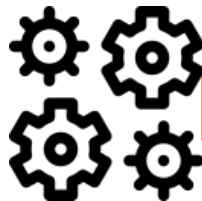
280+
Members

51
Countries

49m+
DOIs

1300+
Organizations

(July 2023)

Persistent identifiers (PIDs)

PIDs

What is a persistent identifier (PID)?

https://doi.org/10.34848/GJO6SY

Unique alphanumeric string referring to a digital resource.

https://research-data.urosario.edu.co/dataset.xhtml?persistentId=doi:10.34848/GJO6SY

Always points to the same resource (a metadata representation)

DOIs for research outputs and resources
https://doi.org/10.5281/zenodo.3630248

ORCID iDs for researchers
https://orcid.org/0000-0001-6622-4910

ROR IDs for research organizations
https://ror.org/01y2jtd41

DOIs for research outputs

Different **research outputs** should be **registered** with DOIs such as articles, protocols, datasets, dissertations, software, ...

VALUE

discoverable, accessible, citable, reusable

Metadata schema

DataCite

Add your DOI metadata following DataCite Metadata Schema

DataCite DOIs are suitable for a wide range of research outputs

Mandatory

Identifier

Creator

Title

Publisher

PublicationYear

ResourceType

Recommended

Subject

Contributor

Date

RelatedIdentifier

Description

GeoLocation

Optional

Language

AlternateIdentifier

Size

Format

Version

Rights

FundingReference

RelatedItem

Resource types

Audiovisual

Book

BookChapter

Collection

ComputationalNotebook

ConferencePaper

ConferenceProceeding

DataPaper

Dataset

Dissertation

Event

Image

InteractiveResource

Journal

JournalArticle

Model

OutputManagementPlan

PeerReview

PhysicalObject

Preprint

Report

Service

Software

Sound

Standard

Text

Workflow

Other

Strategic Initiatives & Projects

Strategic Initiatives
It Takes a Village

DataCite

In line with our mission and vision, DataCite also actively participates and leads various initiatives through collaboration with stakeholders in the community to make open science a reality.

- **Data metrics** – We help further the adoption and implementation of responsible data metrics with, for example, the Make Data Count initiative.
- **Identifier registries** – We support community-led registries of identifiers such as the Research Organization Registry (ROR).
- **Repository discovery** – We contribute to the development of repository discovery initiatives such as re3data with collaboration and financial support.


https://makedatacount.org/

https://ror.org/

https://www.re3data.org/

Data Citation Corpus

DataCite

- DataCite, with support from the Wellcome Trust, has announced the creation of a Data Citation Corpus, **a comprehensive dataset of citations to research data.**

- The Corpus **will leverage tools that extract data citations from scholarly articles** with a high precision rate and **relational links in existing PID metadata.**

- The resulting dataset will be made **freely available** to the global research community.

- The Data Citation Corpus has the potential to **enhance the discoverability and reuse of research data and contribute to the development of new metrics for research assessment.**
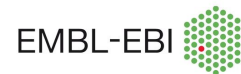
Fundamentally, the corpus addresses the major issue that known data citations exist in third-party systems but are not compiled into a comprehensive, publicly accessible corpus that the community can use.

DataCite
Global Access Program (GAP)

Global Access Program

- Launched in February 2023
- Funding from the Chan Zuckerberg Initiative (CZI)
- Global PID adoption
- Improve equity and access to our PID infrastructure in underrepresented regions (Africa, Latin America, Middle East & Asia) through a **comprehensive** approach

GAP Team

DataCite

Gabriela Mejias

DATACITE'S COMMUNITY & PROGRAM MANAGER

In her role, she leads the Global Access Program, contributes to DataCite's outreach efforts and seeks collaboration with the research community. She also leads DataCite participation in the FAIR-IMPACT project. Previously, she worked at ORCID focusing on community engagement, to increase adoption and membership. Gabriela volunteers at the EOSC PID Policy & Implementation Task Force, the Board of Directors of the Networked Digital Library of Theses and Dissertations and the NISO Diversity Equity Inclusion and Accessibility committee. She's interested in shaping a more open research infrastructure.

Mohamad Mostafa

REGIONAL ENGAGEMENT SPECIALIST, MIDDLE EAST AND ASIA

Mohamad joined DataCite in June 2023 as a Regional Engagement Specialist for the Middle East and Asia. He works with the community to build more openness and trust in scholarly infrastructure and supports emerging communities transition towards Open Research and implementing its principles. Mohamad has participated in launching the ORCID Arabic interface to the Arab world and served as a volunteer Crossref Ambassador for the MENA region. Mohamad is based in Dubai (UAE) and he is passionate about Open Science and has been raising awareness among the research community.

Bosun Obileye

REGIONAL ENGAGEMENT SPECIALIST, AFRICA

Bosun spent the past 6 years before joining DataCite serving as the Institutional Data Manager for International Institute of Tropical Agriculture, IITA, having presence in more than 35 African countries. He was instrumental to the institutionalization of Open Data in the organization. Within CGIAR, he was active in various Community of Practices (CoP) and working groups like Repository Working Group, Metadata Working Group, among others. He had earlier spent his immediate years as a leader in the Information Technology industry. Bosun spends his leisure time with his family, playing the piano, reading, editing videos and walking.

Arturo Garduño-Magaña

REGIONAL ENGAGEMENT SPECIALIST, LATIN AMERICA

Arturo is a passionate advocate for open access and equitable research practices who joined the DataCite team as the Regional Engagement Specialist for Latin America. He is responsible for promoting and implementing the program in the region, with the aim of enhancing equitable access to infrastructure and fostering the adoption of persistent identifiers.
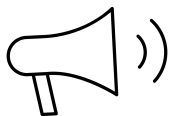
Challenges for global adoption

- Membership mostly in Europe and North America
- Lack of underlying infrastructure in many countries
- Low awareness of the value of PID infrastructure
- Financial barriers
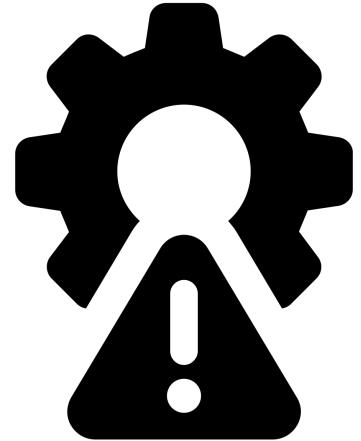
Global Access Program
Three components

Outreach. In learning from local community stakeholders, we seek to increase awareness of PID infrastructure.

Technical infrastructure. Through partnerships with local and international stakeholders, the program will seek to support communities in building technical infrastructure per their needs (and design).
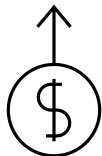
Funding. The program will provide the opportunity for communities to seek funding to support activities related to the program.

GAP Outreach

- Analyze needs and education opportunities per region
- Develop educational materials, best practices and policy guidance
- Seek collaborative opportunities in different regions to interact with local communities
- Explore the benefits of setting up a DataCite ambassadors program
- Provide case studies on how different stakeholders use DataCite - inclu participation with limited technical resources e.g. through DataCite DOI Fabrica
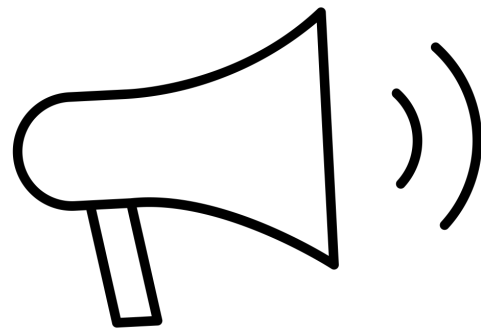
GAP Outreach Activities

Webinar

Unlocking Repositories Through Persistent Identifiers (PIDs): Enabling Open Research Practices

20 July 2023 at 3:30 PM (IST) / 12:00 PM (CET) / 2:00 PM (GST)

GABRIELA MEJIAS

DR FRANCIS JAYAKANT

MOHAMAD MOSTAFA

DataCite · GLOBAL ACCESS PROGRAM · J R D Tata Memorial LIBRARY Indian Institute of Science · DIST-CENTRE FOR POLICY RESEARCH IISc DST·CPR INDIAN INSTITUTE OF SCIENCE · Open Science South Asia Network

Webinar

Introducing DataCite's Global Access Program in Africa: What Is in It for the Continent

June 20, 2023, 10:00am UTC (1pm EAT, 12 noon CAT, 11am WAT)

GABI MEJIAS

HAROLD BOWA

OLAYEMI OLUWAGGA

Upcoming Outreach Activities

DataCite

- GAP webinars (Arabic, Turkish, French)
- UbuntuNet Connect (Uganda, Oct 2023)
- The International workshop on Open Science Identifier (China, Oct 2023) hosted by DataCite & CNIC
- IASSIST Africa Regional Workshop (South Africa, Oct 2023)
- Electronic Theses and Dissertations Symposium (India, Oct 2023)
- 2nd Research Management & Administration Symposium 2023 (Malaysia, Nov 2023)

ندوة عبر الإنترنت

إعتماد المعرفات الدائمة (PIDs):
تقديم برنامج DataCite للوصول
العالمي (GAP) إلى العالم العربي

الثلاثاء، 5 سبتمبر 2023، 1 ظهرا بتوقيت الخليج (GST)
و 11 صباحا بتوقيت وسط أوروبا الصيفي (CEST)

محمد مصطفي   د. بتول المرزوق

محمد باعيسي   رائد الزعبي

GLOBAL ACCESS PROGRAM

DataCite

Register here

Infrastructure

- Analyze the infrastructure landscape and use of different platforms per region
- Collaborate with repository platforms/Service Providers (SPs) on providing integrations for certain regions
- Set up user groups to benefit from each other's expertise and/or reuse code for integrations
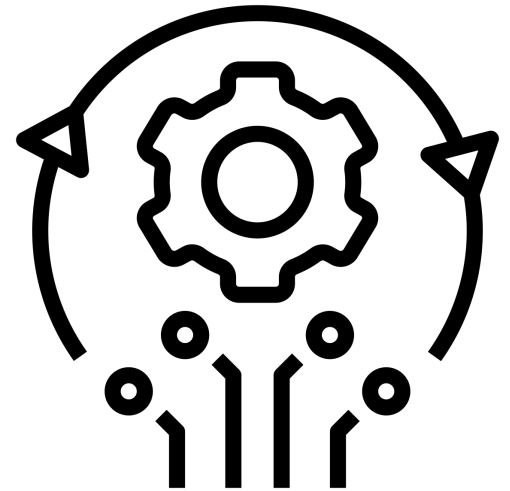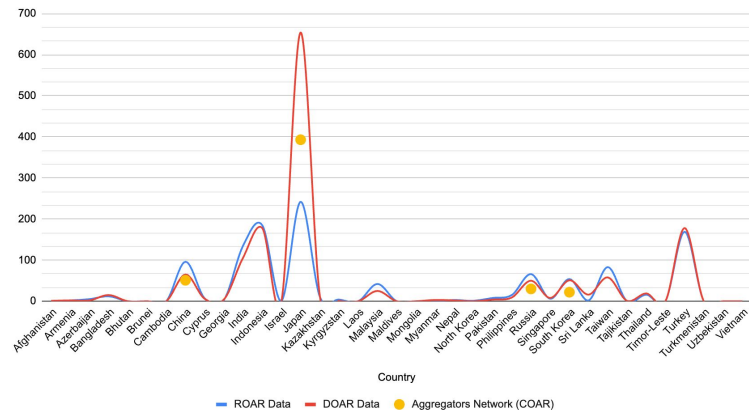
Infrastructure in Asia
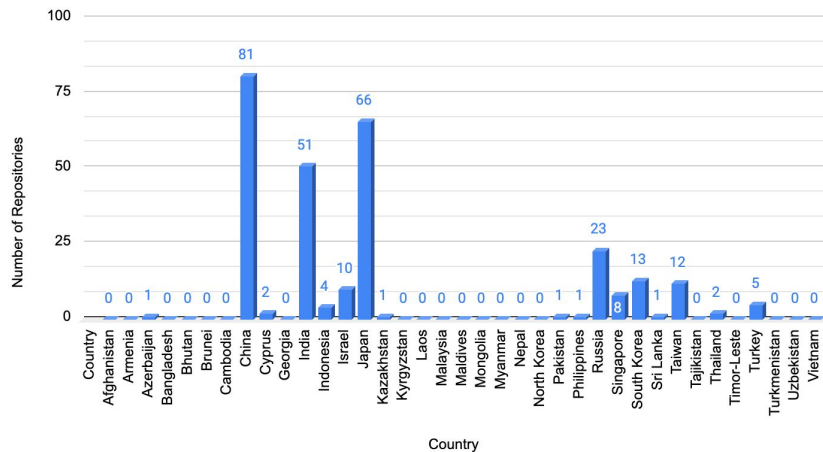

Repositories per Country - ROAR: Asia
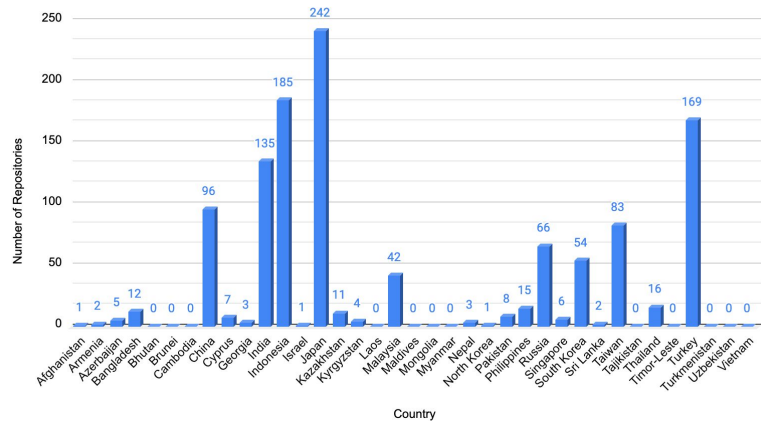
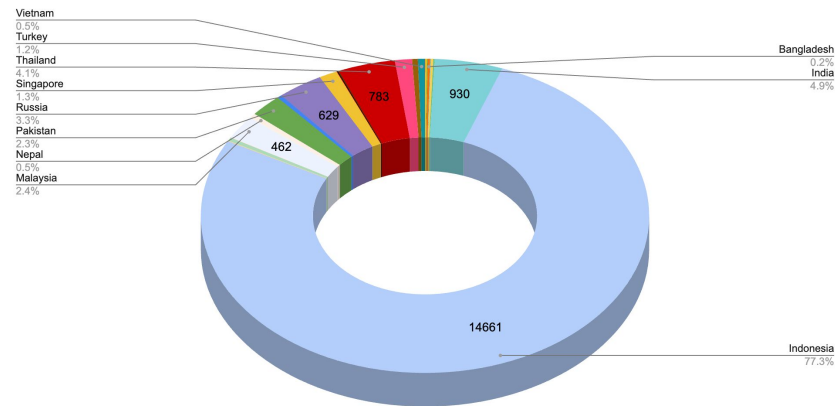Data Comparison - ROAR & OpenDOAR & COAR: Asia

Sources: ROAR, OpenDOAR & COAR

Infrastructure in Asia


Repositories per Country - Re3data.org: Asia

Number of OJS Installations, Beacon Data: Asia

Sources: re3data, PKP

Global Access Fund (GAF)

DataCite

- Enabling organizations worldwide to make their research outputs discoverable

- Providing financial support for outreach activities and infrastructure development to enable organizations in underrepresented regions to benefit from DataCite infrastructure services

- GAF is part of the DataCite Global Access Program (GAP) made possible by grant (Grant no. 2022-316573) from the Chan Zuckerberg Initiative
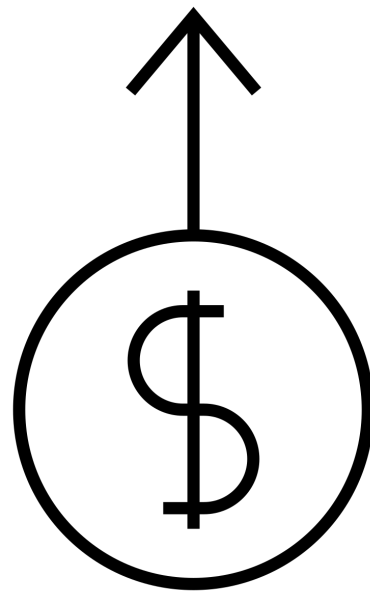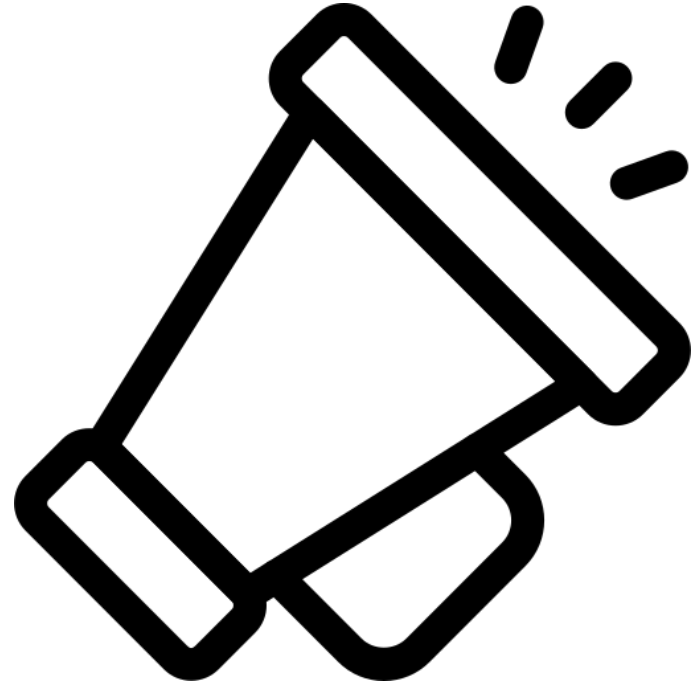
Global Access Fund: Scope

Outreach and engagement activities to support increasing awareness and adoption of global and local solutions and connect to community initiatives

Up to 10,000€

- **Capacity building to deliver training** to research administrators and librarians on open infrastructure and service fundamentals (DOIs, metadata, APIs), implementation (e.g. DataCite API integration in a repository and other systems, metadata curation) and demonstrating the value of the connection to local infrastructure services to the community
- **Events (Webinars, workshops, virtual communication campaigns)** to promote open infrastructure, discuss and amplify membership and adoption strategies and plans leveraging local initiatives
- **Outreach resource development to deliver content (videos, social media content, podcast, tutorials, etc.)** that document use cases, success stories, and benefits of DataCite infrastructure in local/regional contexts. Preference would be given to innovative formats and materials in languages other than English
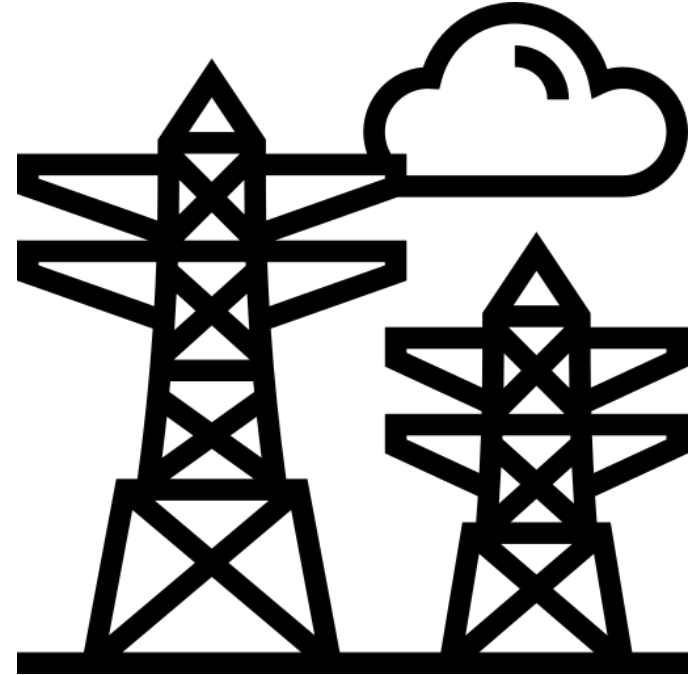
Global Access Fund: Scope

Open Infrastructure development and integration to enable and increase the adoption of DataCite infrastructure and related services

Up to 20,000€

- Repository, publishing, and other system development and implementation to allow organizations to integrate DataCite APIs and metadata
- DataCite API integrations to connect local and national systems with the DataCite Registry
- Development of new tools and systems to obtain additional value from our infrastructure (e.g. visualizations, statistics tools, metadata enrichment tools, CRIS systems, etc.)
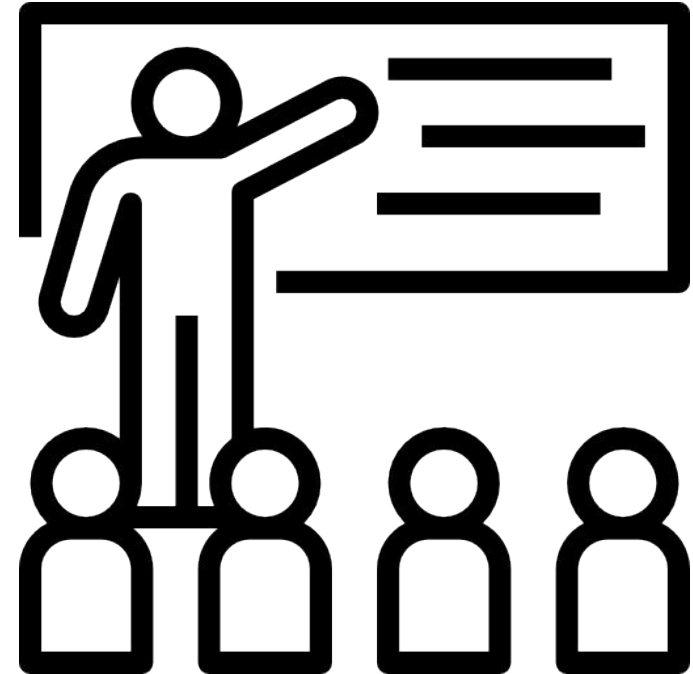
Global Access Fund: Scope

Demonstrators: Seeking to identify and incubate three demonstrators across the regions

Up to 50,000€

- **Leveraging and implementing open international infrastructure services for the benefit of local communities**: Creating opportunities for the local communities to take advantage of DataCite infrastructure to boost visibility of their research outputs and resources.
- **Leveraging and/or establishing open local infrastructure services and communities:** Enabling local organizations to connect existing local solutions to global solutions to facilitate the use by communities that currently do not have access to these solutions. Connecting your local systems to the global research ecosystem.
- **Facilitating indigenous knowledge sharing:** Building PID infrastructure that supports enabling recognition for indigenous knowledge.

Global Access Fund: Eligibility

Who can apply:

Representatives of non-profit stakeholders within the research ecosystem (e.g. research institutions, associations, NRENs, government bodies, service providers, etc.) based in Africa, Latin America, the Middle East, and Asia can apply. Applicants should be authorized to apply on behalf of their organization (legal entity).

Applications are open to DataCite member and non-member organizations.

Both new and well-established organizations can apply.
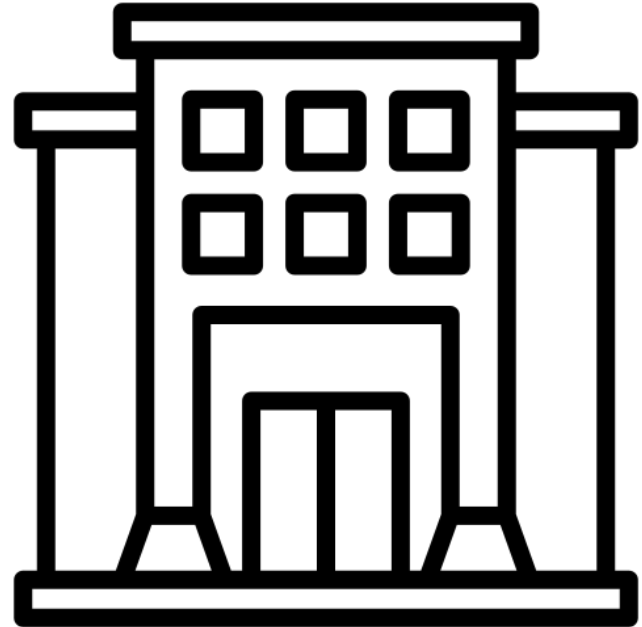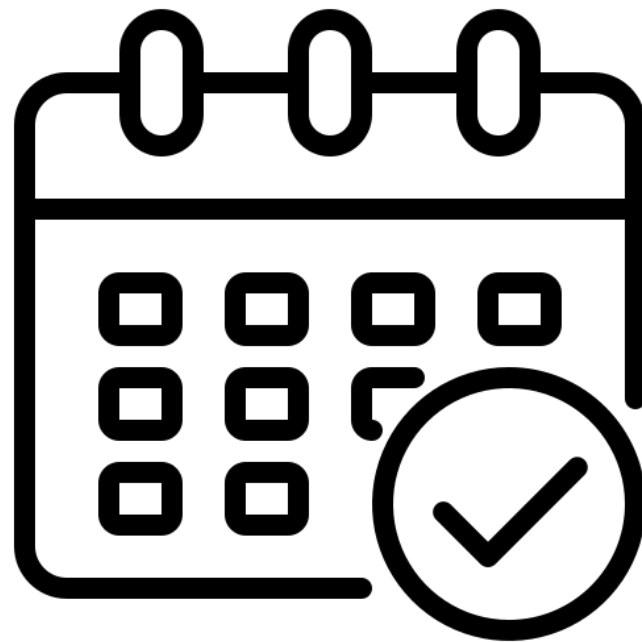
Global Access Fund (GAF): Timeline

Important Dates

Call for proposals launch: **September 1, 2023**

Application due date: **October 15, 2023**

Award decision: **December 15, 2023**

Awarded projects duration: **January 1 – December 31, 2024**

GAF URL
https://datacite.org/global-access-fund.html

The Global Access Fund

Webinar

Building more equity and inclusion with DataCite's Global Access Fund

13 September 2023, 7:00 AM (UTC)

GABI MEJIAS

MOHAMED A. BA-ESSA

DataCite · GLOBAL ACCESS PROGRAM

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Global Access Program
Towards an Equitable and Inclusive Research Ecosystem

- This includes, working with local partners and stakeholders on training on topics such as metadata management, data citation, and data repository management, as well as support for the development of new tools and workflows that can **help to streamline the research data lifecycle**.

- We are **onboarding dedicated staff** in Africa, Latin America Middle East to support the program.

- Ultimately, the goal of the DataCite Global Access Program is to help to **create a more equitable and inclusive research ecosystem**, where all researchers and communities have the tools and resources they need to conduct and share their work.
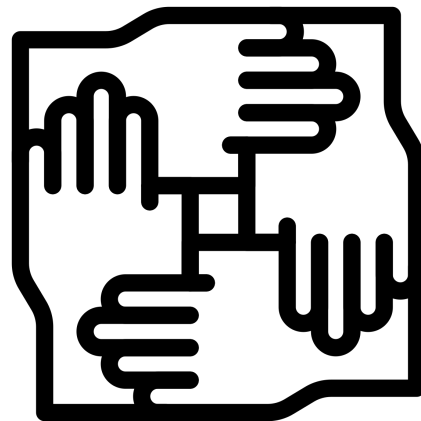
DataCite

CONNECTING RESEARCH,
IDENTIFYING KNOWLEDGE

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