



# PIDs and Open Infrastructure: International Collaboration for the Greater Good

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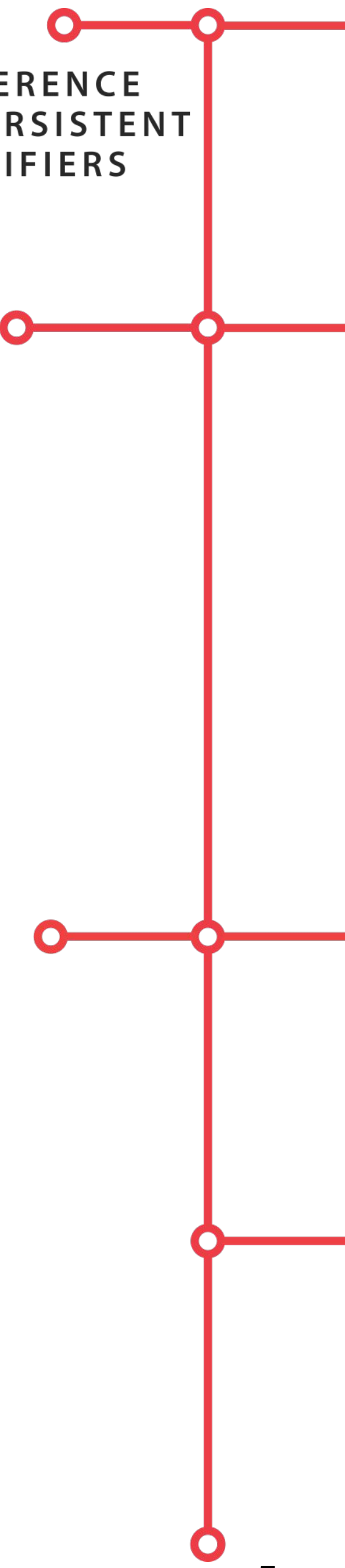
# Agenda

1. Introduction to PIDs and Open Infrastructure
2. Three Open Infrastructure Use Cases
  - a. PIDs and OJS
  - b. PIDs and VIVO
  - c. PIDs and DSpace

# Introduction

- Open Infrastructure as Global Partnerships and Collaborations
- The Greater Good: Work in one region will benefit other regions
- Different PID infrastructures connect to different system
- Advancing PID integrations as a global community





# OJS

OPEN  
JOURNAL  
SYSTEMS

OJS  
Open  
Journal  
Systems

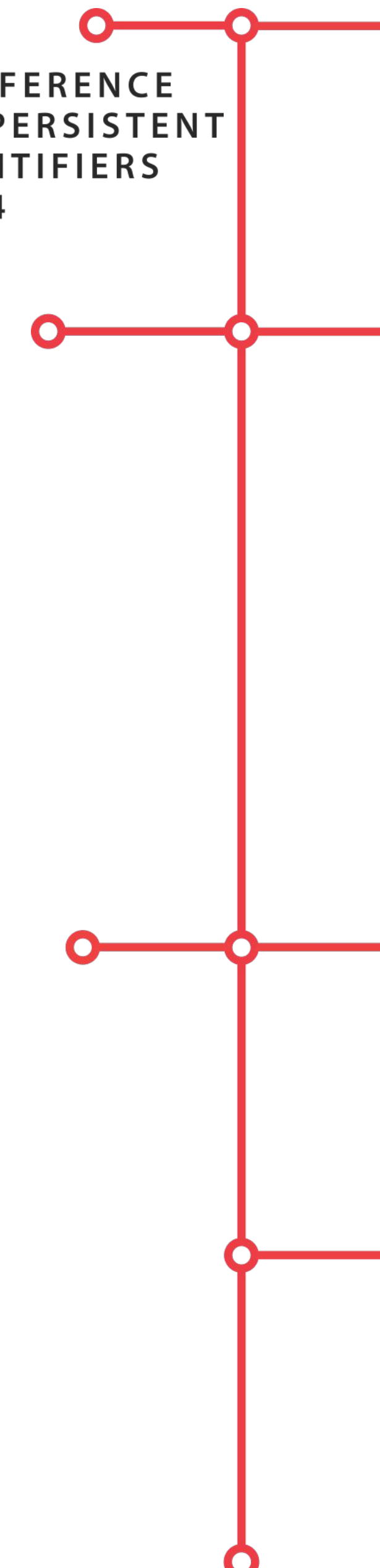
OMP  
Open  
Monograph  
Press

OPS  
Open  
Preprint  
Systems

# PKP

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PUBLIC  
KNOWLEDGE  
PROJECT



# OJS/OPS

- Open Source Software for Journal Publications and Pre-Prints
- International community of users & contributors
- Current PID integrations:
  - ORCID integration
    - Adds ORCID metadata to article
    - Writes article data to ORCID records
  - DOI integrations
    - DataCite API integration
    - Crossref API integration
    - ROR API integration
- Supported for current/most recent versions
- For OJS 3.5, migrating into the core (not plugin)

# PKP

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## PUBLIC KNOWLEDGE PROJECT

# ORCID Plugin



2021

# ORCID-OJS Working Group

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2024

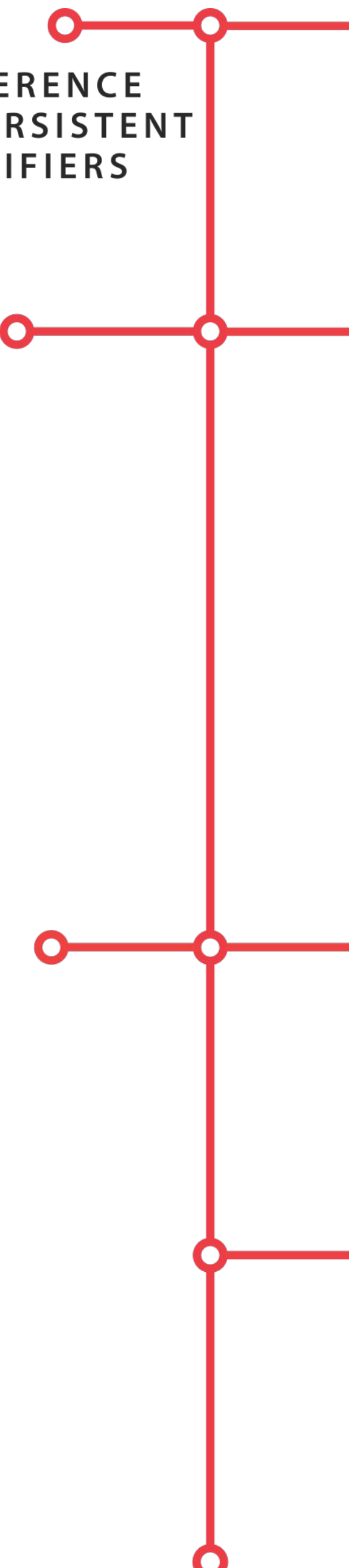


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KNOWLEDGE  
PROJECT



Canadian Research  
Knowledge Network

Réseau canadien  
de documentation  
pour la recherche



## Introduction: ORCID Plugin Guide

The ORCID Plugin Guide explains how to use and configure the ORCID Profile Plugin for Open Journal Systems (OJS) and Open Preprint Systems (OPS), how to obtain ORCID membership and API credentials, and how to connect ORCID IDs with works published with OJS and OPS. This document provides step-by-step instructions for Journal Managers and Administrators on how to use and configure the ORCID Profile Plugin in OJS/OPS and how authors can register with ORCID and connect their ORCID ID with works published with OJS/OPS.

OJS ORCID Plugin Issues ☆ 🔄 ☁

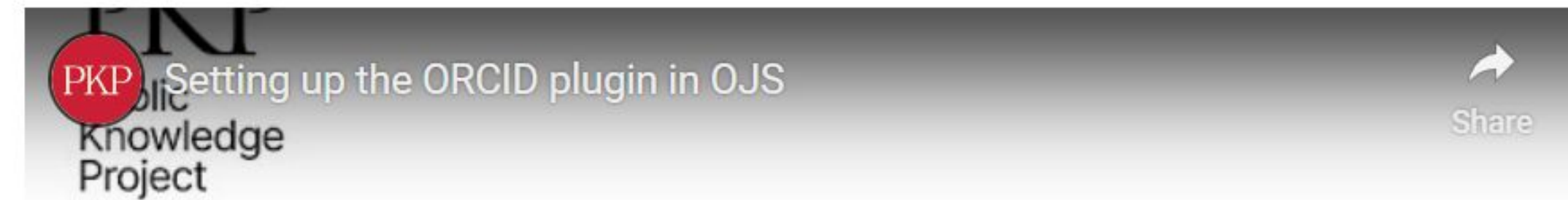
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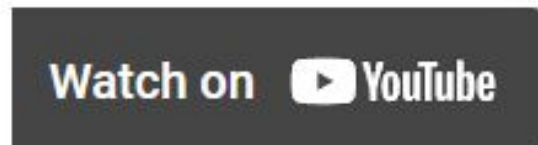
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**Issues/Questions** (see expanded details)

- 1) Editing the "What is ORCID" page
- 2) Using the same Client ID and Client Secret
- 3) Does an author have to connect/verify their ORCID ID once and for all or do they need to connect their ORCID ID once and for all publications?
- 4) Issues around connecting ORCID ID asking them to register or connect
  - a) "Link no longer valid" error when ORCID ID has already been connected with author profile in OJS
  - b) "Link no longer valid" error when ORCID ID has NOT already been connected with author profile in OJS
  - c) Work not written to ORCID after successfully verifying ORCID ID via email link
  - d) Work not written to ORCID after successfully connecting ORCID via author profile (however, the ORCID ID is displayed on the publication in OJS, just not on the ORCID record)
- 5) How to add author ORCID IDs to publications retroactively? (Not implemented)
- 6) How to update metadata in a works assertion that was written to ORCID from OJS? (Not implemented)



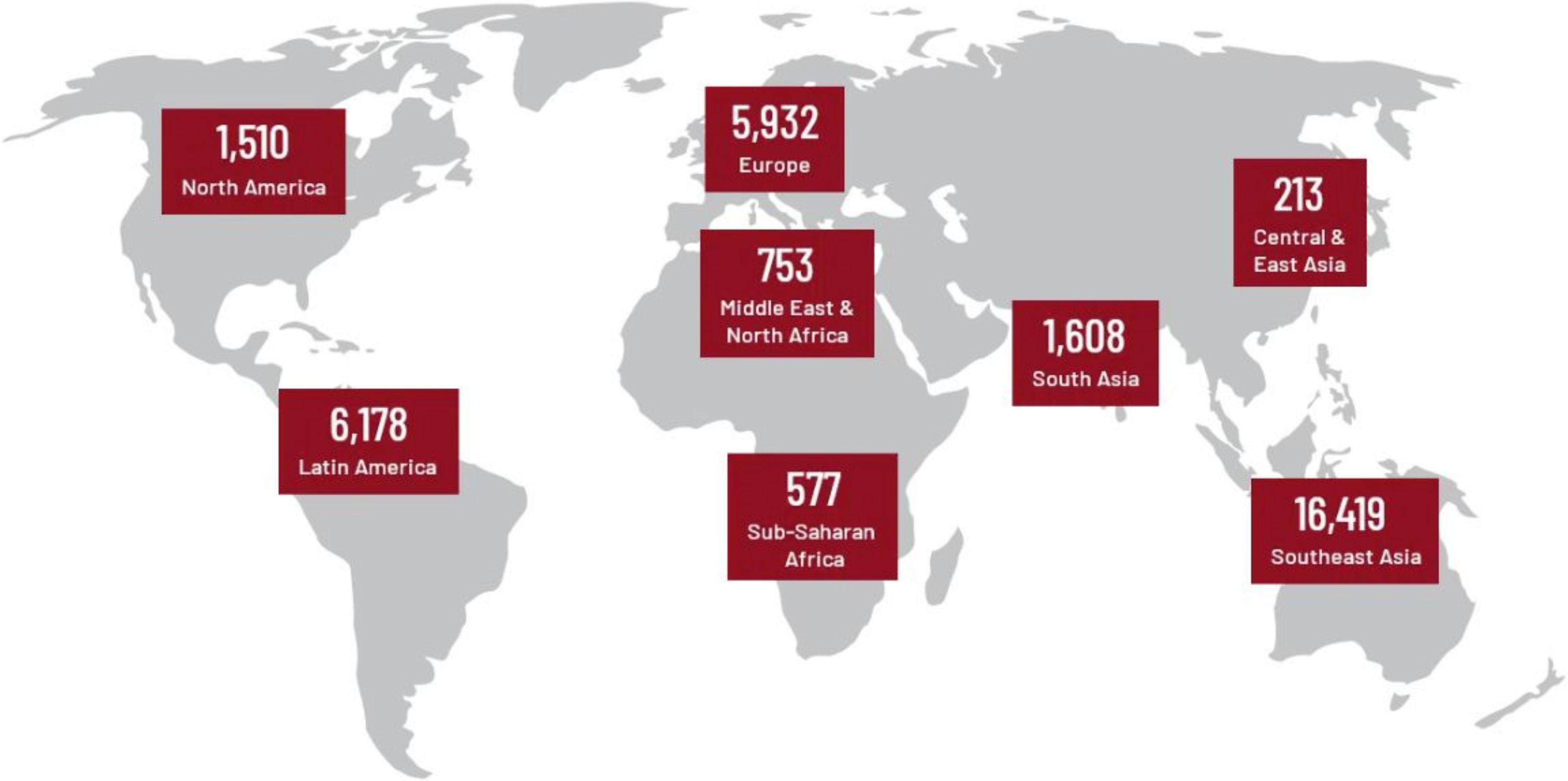
### Setting up the ORCID Plugin in OJS



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**Service Provider**

# GLOBAL USAGE OF OJS

More than 8 million items have been published with Open Journal Systems, our open-source publishing software trusted by than a million scholars in almost every country on the planet.



# PKP & ORCID Global Participation

- ORCID Global Participation Fund:
  - foster the development of ORCID Communities of Practice
  - build understanding and use of ORCID in local contexts
  - create and enhance technical integrations with ORCID
- Indonesia has 15,000 journals using OJS
- PKP received grant from ORCID to:
  - raise awareness of ORCID functionality in OJS
  - encourage use of ORCID OJS plugin
- Led by Urooj Nizami, Community Engagement and Outreach Librarian at PKP



- Open Source Software for Research Information Management
- International community of users & contributors
- Current PID integrations:
  - ORCID authentication
- Future plans:
  - Reading/writing with ORCID



# DSpace

- Open Source Software for Repositories
- International community of users & contributors
- Current PID integrations:
  - ORCID authentication w/ person entities (profiles)
  - Writes data to ORCID records
  - DataCite API integration
  - Crossref API integration



# DSpace & ORCID

- ORCID Member API integration introduced in DSpace 7.3
- Some bugs/issues discovered in DSpace 7.6
- Initial investigation by ORCID consortia leads in Canada (CRKN), US (Lyrisis), Ireland (IReL), & South Africa (TENET)
- Applied for (and received) a grant from the ORCID Global Participation Fund to speed development on improving ORCID integration
  - 4Science to complete development work
- Grant advisory board includes ORCID consortium leads/stakeholders in Mexico, Colombia, Chile, Israel, Czech Republic, US, Canada, Ireland, & South Africa

# DataCite: Adoption through DSpace

- DSpace has a DataCite DOI integration
- The DSpace DataCite integration is developed and supported by DataCite Registered Service Providers, including The Library Code, 4Science, and Atmire
- One of the oldest DataCite integrations (initially built in 2013)
- One of the most used repository platforms among DataCite Members and Consortium Organizations worldwide

# DSpace Open Repositories Workshop

- Setting up DOI registration and customizing the metadata mapping requires the repository manager to configure the DSpace instance
- To help provide configuration support, we ran a workshop as a collaboration between:
  - **DataCite** - DOI registration agency
  - **Lyrasis** - consortium lead of the DataCite US Community
  - **The Library Code** - DataCite Registered Service Provider, based in Germany
  - **4Science** - DataCite Registered Service Provider, based in Italy
- Following this workshop, we plan to collaborate on documentation updates to help users get started and “level up” with the DSpace DataCite integration

# DataCite Global Access Fund (GAF)

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To help address financial, technical and awareness barriers that may prevent organizations from benefiting from our PID infrastructure, DataCite launched the Global Access Fund.



**GLOBAL  
ACCESS  
PROGRAM**

## 2024 Awards:

### Outreach

- Arab Center for Social Sciences (ACSS), Lebanon
- **Autonomous University of Zacatecas, Mexico\***
- **Busitema University, Uganda\***
- Information and Library Network (INFLIBNET), India
- National University of Rosario (UNR), Argentina
- Université Virtuelle de Côte d'Ivoire, Ivory Coast
- **Zimbabwe University Libraries Consortium (ZULC), Zimbabwe\***

### Infrastructure

- Institut Teknologi Sepuluh Nopember, Indonesia
- **National Science Library of Georgia, Georgia\***

### Demonstrators

- Centre National Universitaire de Documentation Scientifique et Technique (CNUDST), Tunisia
- **Eko-Konnect Research and Education Initiative, Nigeria\***
- University of São Paulo, Brazil

\*DSpace users

# Join us! GAF Call for Support

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- [Open now.](#)
- All supporting orgs and individuals will be recognized on our website.
- Every contribution will bring us one step closer to connecting research and advancing knowledge globally.



EUR 500  
Ceibo



EUR 2000  
Lotus



EUR 4000  
Royal Jasmine



EUR 8000  
Protea

<https://doi.org/10.5438/yxje-bv39>

# Q&A

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