

Working with ROR as a Crossref member: What you need to know

September 29, 2021



Good to know

- You're muted but please introduce yourself in the chat
 - Where are you from? Your organization and where you are in the world
 - Why were you interested in today's webinar?
- Ask questions in the Q&A box (not chat) so we can keep track
- The session will be recorded and slides will be shared too
- If you need an attendance certificate, please fill out this form and one will be emailed to you: <https://forms.gle/mm8UMPawuXBUZbnT9>

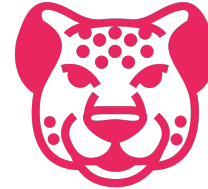
Today's pride



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Today's agenda

1. What is ROR?
2. Why is Crossref supporting ROR?
3. Publisher use cases for ROR
4. How to become a ROR adopter
5. Discussion/Q&A



What is ROR?



The **Research Organization Registry (ROR)** is an open, community-led registry of research organization identifiers and associated metadata.

ROR is a **collaboration** between California Digital Library, Crossref, and DataCite.



Why ROR?

Several ID types for research organizations already existed before ROR's launch:



RINGGOLD

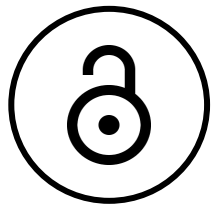


Why another organization ID?!

Filling a gap in research infrastructure



- Specifically focused on researcher affiliations
- Connect organizations, researchers & research outputs via **OPEN** infrastructure



- Non-commercial, fully open (CC0) registry
- Public API, data dump



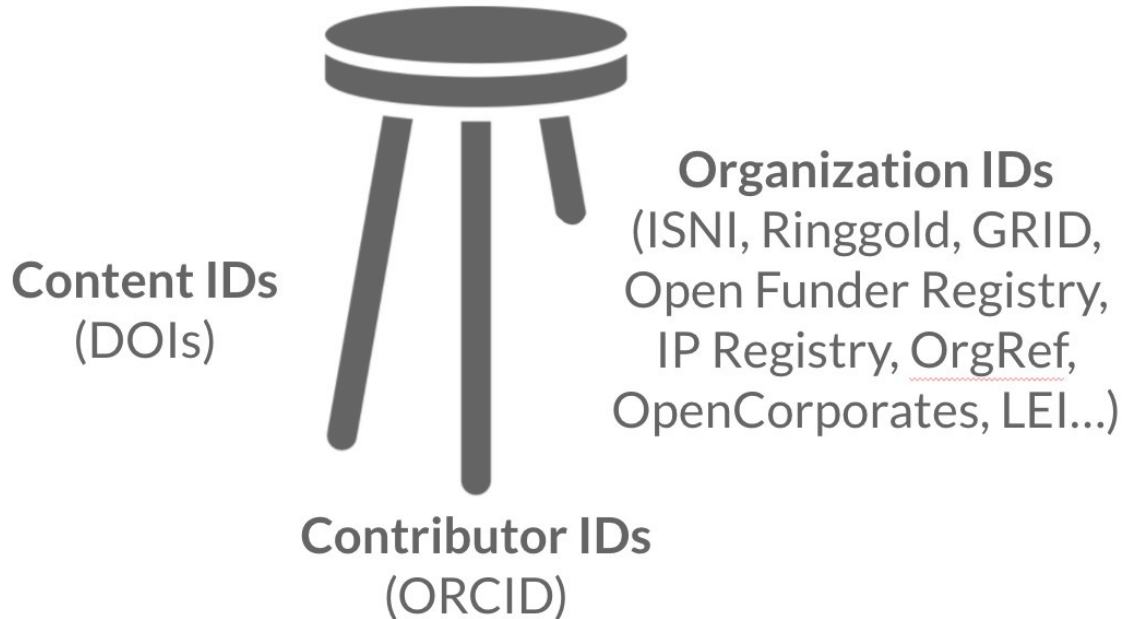
- Community-led initiative



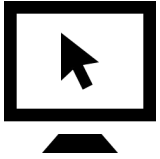
How does ROR work?

Why is Crossref supporting ROR?

The problem



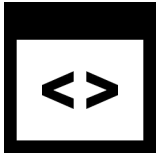
How does ROR work?



Researcher submits article/dataset to system integrated with ROR



Identify affiliation from ROR's controlled list



Metadata for research output includes ROR ID



Track and discover research by affiliation

1. Capture affiliations using ROR

Dataset: Basic Information

Title *

royal blood: dna seq analysis

Author(s)

First Name *

Her



Last Name *

Majesty

Institutional Affiliation *

|



 <https://sandbox.orcid.org/0000-0003-0323-450X>

+ Add Author

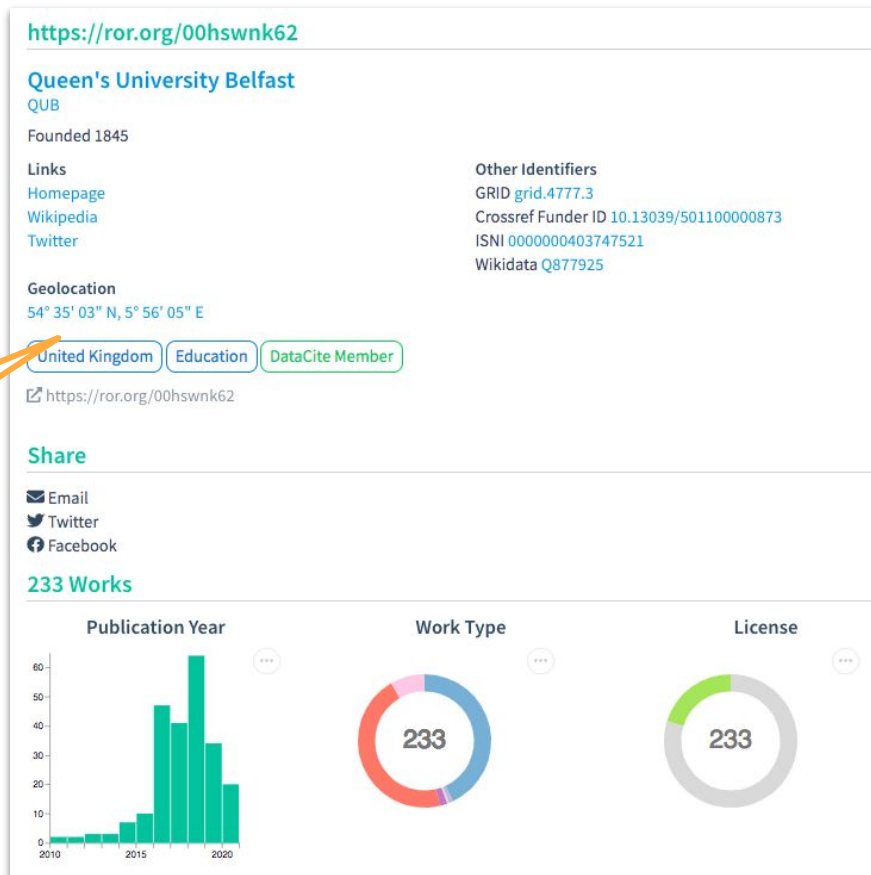
2. Include ROR ID in DOI metadata

```
<?xml version="1.0" encoding="UTF-8"?>
<resource xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://
datacite.org/schema/kernel-4" xsi:schemaLocation="http://datacite.org/schema/kernel-4
http://schema.datacite.org/meta/kernel-4/metadata.xsd">
  <identifier identifierType="DOI">10.17034/E7VA-K010</identifier>
  <creators>
    <creator>
      <creatorName nameType="Personal">Ward, William</creatorName>
      <givenName>William</givenName>
      <familyName>Ward</familyName>
      <nameIdentifier nameIdentifierScheme="Other" schemeURI="">William Ward</
nameIdentifier>
      <affiliation affiliationIdentifier="https://ror.org/00hswnk62"
affiliationIdentifierScheme="ROR" schemeURI="https://ror.org">Queen's University Belfast</
affiliation>
    </creator>
  </creators>
  <titles>
    <title>The Old World in the New: Theories of Pre-Columbian Contact in Science and
Society, 1860-1920</title>
  </titles>
  <publisher>Queen's University Belfast</publisher>
  <publicationYear>2020</publicationYear>
```

3. Find connections between organizations and outputs

Publications, data, grants, etc; also connections to people and other organizations (like funders)

Example: DataCite Commons shows connections between organizations & outputs using ROR IDs in DOI metadata



Why is Crossref supporting ROR?

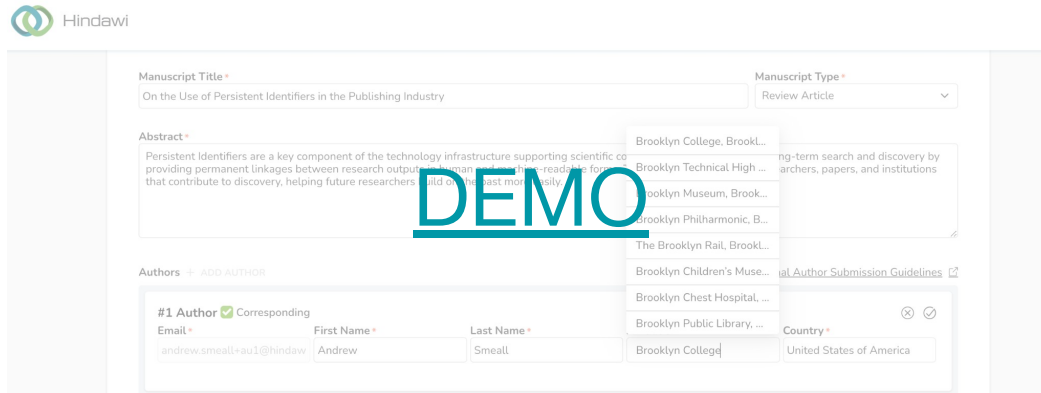
- Affiliations identified w/ a unique, open, sustainable persistent identifier will:
 - Add value to open scholarly infrastructure and research ecosystem
 - Add value to the Crossref metadata by filling out the scholarly record and the research nexus - connecting publications, citations, funders, grants, authors, and affiliations
- Crossref metadata users want it - abstracts first, affiliations second
- Members want it - Crossref LIVE19 - ROR clear top priority

Publisher use cases for ROR

- Add value by reliably connecting submissions with institutions
 - Compliance with funder and institution mandates/requirements
 - Streamline OA workflows - repository deposit, payments
 - Better reporting
- Enhance discoverability by including in Crossref metadata
- Improve the scholarly research ecosystem

The Hindawi case

- Simplify the submission process
- Replace user supplied free text with an identifier
- Match papers to institutions more accurately
- Support institutional payments and reporting



The screenshot displays the Hindawi submission interface. At the top left is the Hindawi logo. The form includes fields for 'Manuscript Title' (containing 'On the Use of Persistent Identifiers in the Publishing Industry') and 'Manuscript Type' (set to 'Review Article'). Below these is an 'Abstract' field with placeholder text. A dropdown menu is open, listing various institutions such as 'Brooklyn College, Brook...', 'Brooklyn Technical High ...', 'Brooklyn Museum, Brook...', 'Brooklyn Philharmonic, B...', 'The Brooklyn Rail, Brook...', 'Brooklyn Children's Muse...', 'Brooklyn Chest Hospital, ...', 'Brooklyn Public Library, ...', and 'Brooklyn College'. A large, teal, underlined 'DEMO' watermark is overlaid on the center of the form. At the bottom, the 'Authors' section shows one author, Andrew Smeall, with fields for 'Email', 'First Name', 'Last Name', and 'Country' (set to 'United States of America').

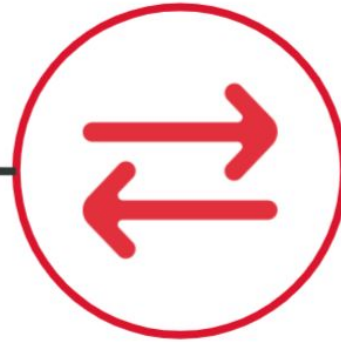
ROR in Crossref metadata & more



As a Crossref member, manage metadata for your articles, preprints, book chapters, grants, and more



Look up and identify affiliations from ROR, add to Crossref records to assert affiliation information



Crossref metadata is distributed along with ROR identifiers throughout the global scholarly ecosystem



Discover, track, and make connections between research objects in the context of affiliations

ROR IDs in Crossref metadata



As a Crossref member, manage metadata for your articles, preprints, book chapters, grants, and more



Created by Kerisnaa wati from Noun Project



Look up and identify affiliations from ROR, add to Crossref records to assert affiliation information

A screenshot of a Crossref metadata record for Queen's University Belfast. The record is displayed in a white box with a thin black border. At the top, the ROR ID <https://ror.org/00hswnk62> is highlighted with a red border. Below this, the institution name "Queen's University Belfast" is shown, followed by its Welsh name "QUB, PRIFYSGOL Y FRENHINES, BELFFAST". Under the heading "WEBSITE", the URL "http://www.qub.ac.uk/" is listed. On the right side, under "OTHER IDENTIFIERS", several identifiers are listed: "GRID grid.4777.3", "ISNI 000000403747521", "Crossref Funder ID 501100000873", and "Wikidata Q877925". At the bottom of the record, two yellow tags are visible: "UNITED KINGDOM" and "EDUCATION".

ROR IDs in Crossref metadata



Country *

User Details

Homepage URL ORCID ID

Affiliation

- For new submissions/registrations: Add typeahead fields that are populated using ROR data to your manuscript submission/user registration system forms.
- For existing affiliation information in your system: Match institution names to ROR IDs using our matching tools or existing DOIs with ROR IDs!).

OJS 3.3 plugin gallery:
<https://github.com/withanage/ror>

<https://ror.readme.io/>



ROR IDs in Crossref metadata

```
<contributors>
  <person_name sequence="first">
    <given_name>Josiah</given_name>
    <family_name>Carberry</family_name>
  <affiliations>
    <institution>
      <institution_name>Brown University</institution_name>
      <institution_id id_type="ror">https://ror.org/05gq02987</institution_id>
      <institution_id id_type="isni">0000000401234567</institution_id>
      <institution_id id_type="wikidata">Q11111111</institution_id>
      <institution_place country="US">Providence, RI</institution_place>
      <institution_department>Psychoceramics</institution_department>
    </institution>
  </affiliations>
  ...

```

Repeatable, to allow for multiple institutions

ROR is the recommended ID type, but others will also be supported.

ROR in Crossref: how to

- Collection of ROR IDs added to Crossref input schema across all content types

```
▼<affiliation>  
  <institution country="AU">University of New South Wales</institution>  
  <ROR>https://ror.org/03r8z3t63</ROR>  
</affiliation>
```

- Currently supported for Content Registration via XML
 - In future: will be supported in other simple content registration tools:
<https://www.crossref.org/blog/next-steps-for-content-registration/>

ROR in Crossref: next steps



Crossref metadata is distributed along with ROR identifiers throughout the global scholarly ecosystem

Discover, track, and make connections between research objects in the context of affiliations

- Making ROR IDs available via our APIs (<https://www.crossref.org/blog/behind-the-scenes-improvements-to-the-rest-api/>)
- Integrating ROR into other tools, services & reports, e.g. Participation Reports
- Adding ROR IDs as an alternative to funder IDs (initially in the grants schema)
- Outreach, adoption support & continued support of ROR.

Discussion / Q&A

Find out more about:

ROR itself:

- <https://ror.org>
- Support documentation for publishers: <https://ror.readme.io/docs/publishers>
- Technical support discussion group: <https://groups.google.com/a/ror.org/g/ror-api-users>
- Community group: email info@ror.org to join
- Slack: <https://tinyurl.com/ror-slack>
- Registry curation: <https://github.com/ror-community/ror-updates#readme>
- Other questions: info@ror.org

ROR @ Crossref:

- Overview: <https://www.crossref.org/community/ror/>
- Plans for ROR in Crossref:
<https://www.crossref.org/blog/some-rip-roring-news-for-affiliation-metadata/>
- Sample files: <https://gitlab.com/crossref/schema/-/tree/master/best-practice-examples/>
<https://gitlab.com/crossref/schema/-/blob/master/best-practice-examples/journal.article5.3.0.xml>
- Community Forum: <https://community.crossref.org/tag/ror>
- Questions: <https://www.crossref.org/contact/>



Thank you!

