

# ORCID in repositories

*Moving toward universal integration  
with the ORCID in Repositories Task Force!*

COAR Annual Meeting | Lyon, May 2019

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Slides: <https://orcid.figshare.com>

# A brief history of ORCID in repositories...

# Repositories have been on our minds at ORCID since the beginning

**Goal:** Help make scholarly comms workflows easier for everyone...enter once/reuse often



Re-entering the same info  
all over the place? Yuck!  
Let's get rid of that!

# Where does ORCID fit?

## Author disambiguation

Connect iDs to repository author profiles

**Discovery** Export to ORCID, so ORCID users and data consumers can access

**Ingest** Import new items from ORCID

# THEN (2014)

## Author disambiguation

Connect iDs to authors/contributors in the repository

Not many systems using ORCID yet, so no one to find things you put there

~~Discovery~~ Find things you put there and data consumers can access?

~~Ingest~~ Import new items from ORCID?

Not much data in ORCID yet, so nothing to ingest

# DSpace (U of Missouri / Atmire)

**Item submission**

Describe Describe Access Upload Review CC License License Complete

**Describe Item**

**Authors:**

Last name, e.g. *Smith* First name(s) + "Jr", e.g. *Donald Jr*

Enter the names of the authors of this item below.

**Person lookup** ×

Search:

| Name                     |   |
|--------------------------|---|
| Hancock, Roeland         | <ul style="list-style-type: none"><li>last name: Hancock</li><li>first name: Roeland</li><li>orcid: 0000-0001-8932-6872</li></ul> |
| Hancock, Yvette          |   |
| Hancock, Katy            |   |
| Kleiner-Hancock, Heather |   |
| Hancock, Mark            |   |
| Hancock, Steven          |   |
| Hancock, Karen           |   |
| Hancock, Kenneth         |   |
| Hancock, Travis          |   |
| HANCOCK, GALEN           |   |

Items in this repository: [view items](#)

Showing 10 results.

Became part of DSpace v5 (2015)

Batch update author IDs from CSV file

| id | collection  | dc.title                 | ORCID:dc.contributor.author              | dc.contributor.author |
|----|-------------|--------------------------|--|-----------------------|
| +  | 123456789/2 | ORCID CSV import example | 0000-0001-8932-6872  0000-0001-9152-849X | Smith, Benjamin       |

**Notice**  
Upload successful

## Import Metadata

Pending changes are listed below for review

### New item

Add to owning collection 123456789/2 (uiop)  
Add: (dc.title) ORCID CSV import example  
Add: (dc.contributor.author) Smith, Benjamin  
Add: (dc.contributor.author) Hancock, Roeland  
Add: (dc.contributor.author) Vandekerckhove, Bram

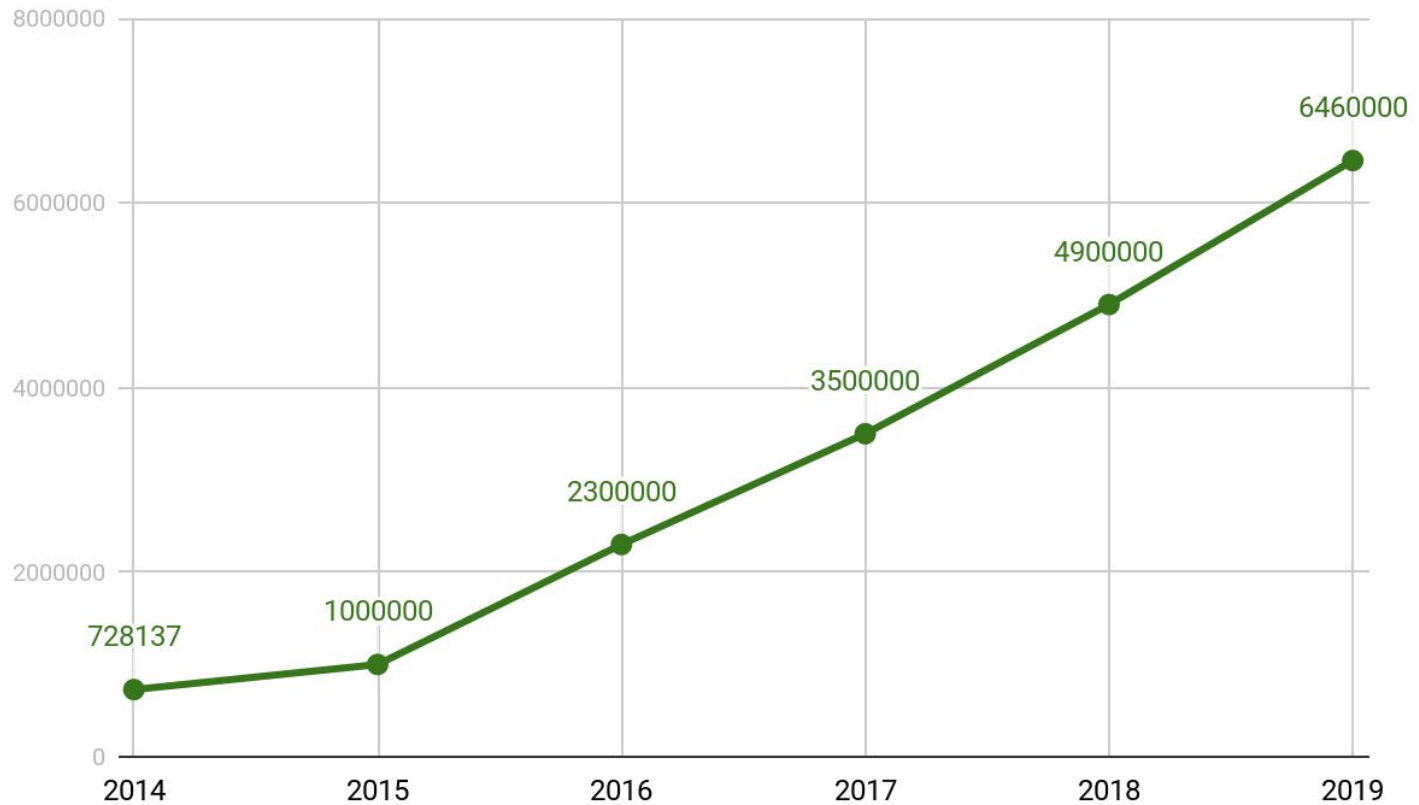
Search for author in ORCID



**A whole lot has changed  
since then!**

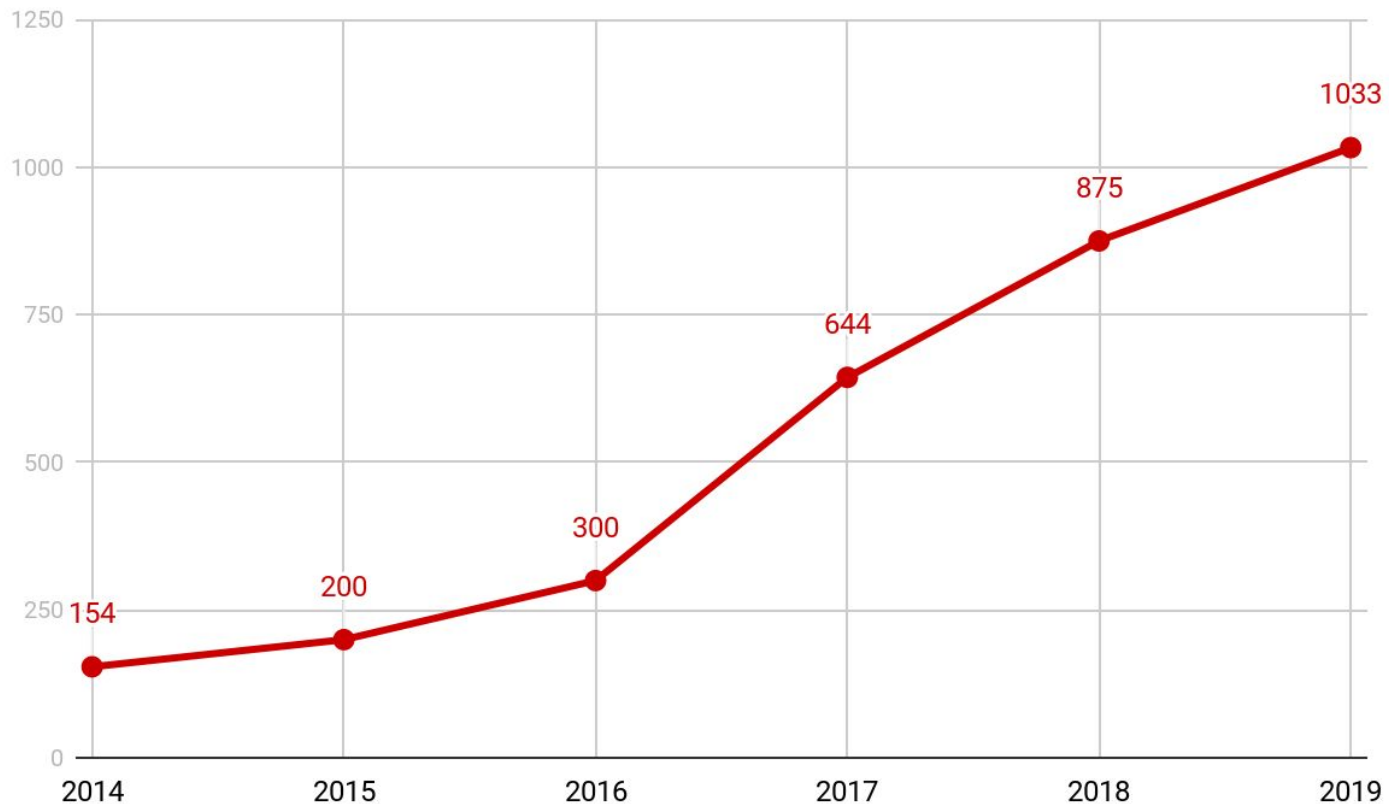
# Fancy charts 2014-2019

## Live ORCID iDs



# Fancy charts 2014-2019

## ORCID member organizations

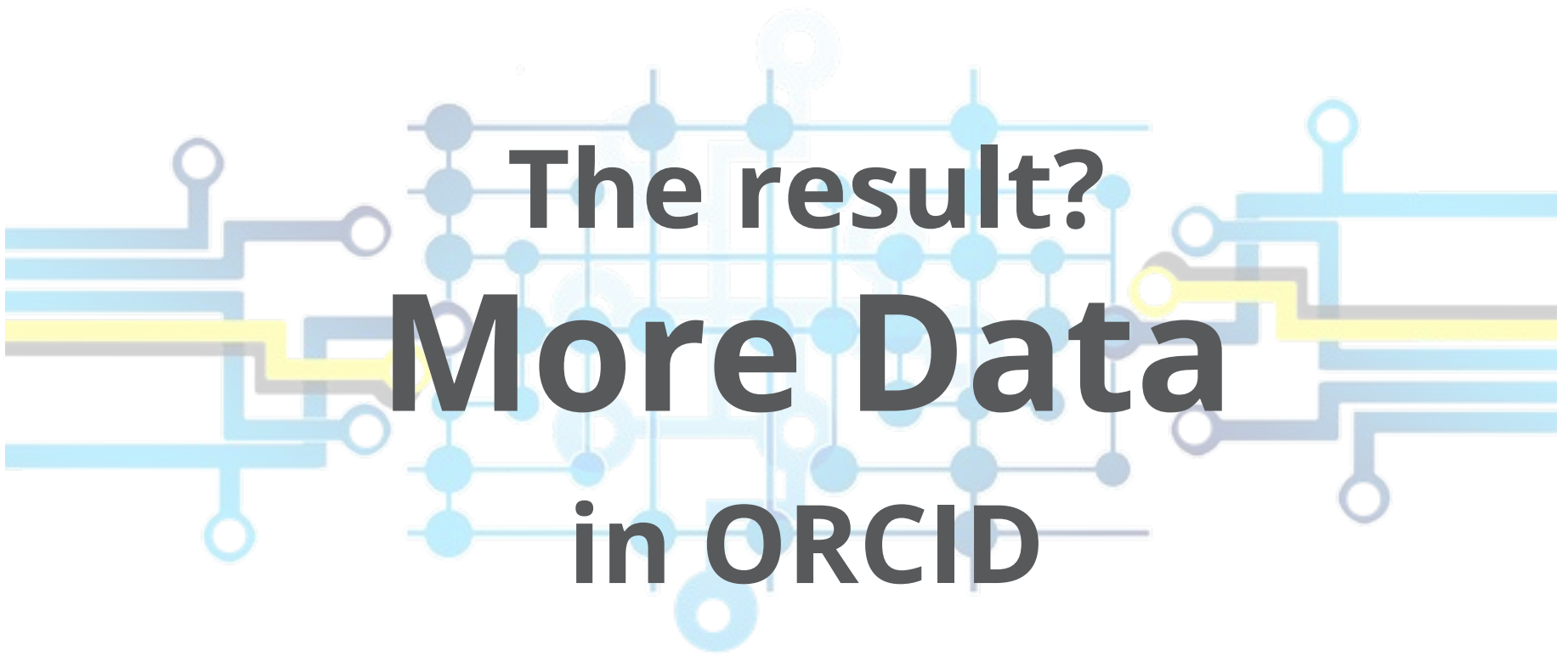


The background of the slide is a light gray with a complex pattern of overlapping, semi-transparent lines in various colors (blue, green, yellow, orange, pink, and red). These lines are mostly horizontal and vertical, with some diagonal segments. Small arrows are placed at various points along these lines, indicating a flow or direction. The overall effect is a sense of interconnectedness and movement.

# Increased ORCID adoption in Scholarly Workflows

# Adoption in scholarly workflows

- **688** members have an active integration with ORCID
- **74** publishers require ORCID iDs
- **3,412** Publishing sources collect iDs and send them to CrossRef in DOI metadata
- **eduPersonOrcid** attribute included in [eduPerson schema 201602](#)



# The result? More Data in ORCID

# NOW

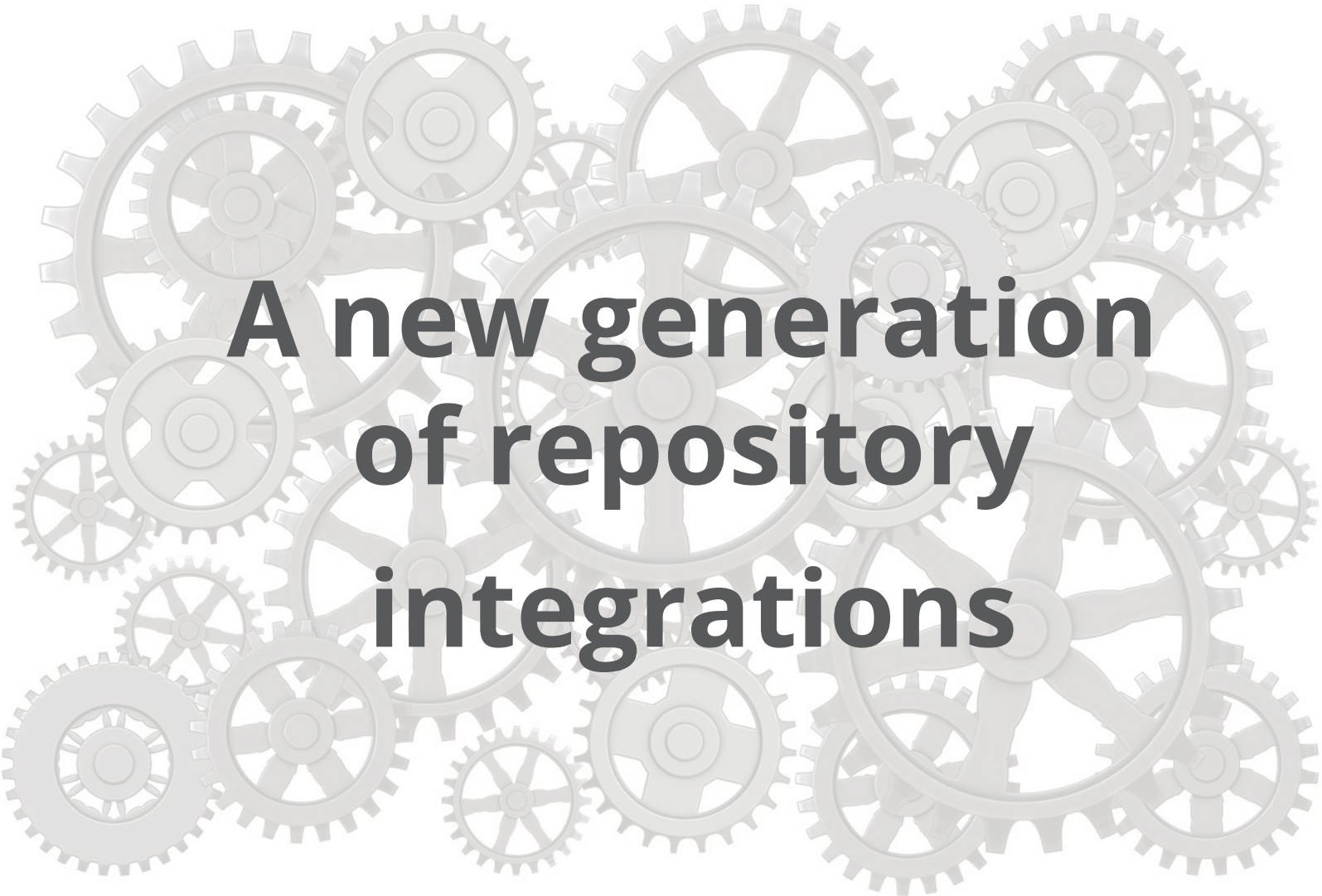
More things are possible!

## Author disambiguation

Connect iDs to repository author profiles

**Discovery** Export to ORCID, so ORCID users and data consumers can access

**Ingest** Import new items from ORCID

A background graphic consisting of numerous interlocking gears of various sizes, rendered in a light gray color. The gears are arranged in a dense, overlapping pattern, creating a sense of mechanical complexity and interconnectedness.

# **A new generation of repository integrations**

# University of New England

[e-publications@UNE](#) Fedora + custom ORCID app

ORCID iD Exit Wizard Back Next

**1 Create or connect your ORCID iD**

Chute uses your ORCID iD to identify your research. Please create or connect your ORCID iD by selecting the **Create or connect your ORCID iD** button below.


The options are:

- **Link my ORCID iD:** Your ORCID iD will be recorded in e-publications@UNE
- **Read new works from my ORCID Record:** Chute will add new records from ORCID to your e-publications@UNE Incomplete submissions.
- **Keep my ORCID Record up-to-date:** Chute will be able to add e-publications@UNE records to your ORCID Record.

We recommend that you select all of these. If you do:

Please choose

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | *Link my ORCID iD                   |
| <input checked="" type="checkbox"/> | Read new works from my ORCID Record |
| <input checked="" type="checkbox"/> | Keep my ORCID Record up-to-date     |

 Create or connect your ORCID iD

User creates/connects ORCID iD to profile

New publications harvested from ORCID & other sources appear as incomplete submissions; user is prompted to log in and complete.

## Preview and Action Your Research Outputs

Claim Research Output

Reject Research Output

Listed below are research outputs that are awaiting your action.

To action these records check the 'select' box and use the 'Claim Research Output' or 'Reject Research Output' buttons above. Claimed research outputs will be sent to your e-publications@UNE [Incomplete submissions](#) list for you to complete.

- ☒ Yes Chute should continue to keep my ORCID Record
- ☒ Yes Chute should continue to read new works from my ORCID Record

User can choose to allow UNE to update ORCID with any missing publications



# University of New England

une  
University of  
New England

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Search

STUDY CAMPUS LIFE CONNECT RESEARCH INFO FOR ABOUT UNE

UNE Home > Staff Profiles > Peter Grave

### Associate Professor Peter Grave

Associate Professor - School of Humanities

Phone: +61 2 6773 2062  
Email: [pgrave@une.edu.au](mailto:pgrave@une.edu.au)

[orcid.org/0000-0001-5076-2386](https://orcid.org/0000-0001-5076-2386)

**Qualifications**  
MA(Hons), PhD (Syd)

**Apply to UNE**  
**GO**  
UNE has three teaching periods each year for most courses - commencing March, July, and November

**iD shown on profile**

### Peter Grave

**ORCID ID**  
 <https://orcid.org/0000-0001-5076-2386>

**Other IDs**  
Scopus Author ID: 6602765912  
ResearcherID: Q-2231-2015  
Scopus Author ID: 55200650200

**Works (38 of 38)**

The potential for p  
soil copper at ancie  
beyond measurements of  
Journal of Environmental Manag  
2018 | Journal-article  
DOI: [10.1016/j.jenvman.2017.10.052](https://doi.org/10.1016/j.jenvman.2017.10.052)  
HANDLE: [1959.11/22746](https://hdl.handle.net/1959.11/22746)  
Part of ISSN: 0301-4797  
Part of ISSN: 1095-8630  
Source: University of New England

**Items added to ORCID record**

Georeferenced soil provenancing with digital signatures  
Scientific Reports

Australian Research Council

# ePrints Plugin (JISC / EPrints Services)

[https://wiki.eprints.org/w/ORCID\\_Support#ORCID\\_Support\\_Advance](https://wiki.eprints.org/w/ORCID_Support#ORCID_Support_Advance)

eprints repository software

Home About Browse

Logged in as Mr EP Services | [Manage deposits](#) | [Connect to ORCID](#) | [Manage records](#) | [Profile](#) | [Saved searches](#) | [Review](#) | [Admin](#) | [Reports](#) | [Edit page phrases](#) | [Logout](#)

id Connect to ORCID

ORCID details for Mr EP Services

For more information about connecting to ORCID, [click here](#).

- ☒ Connect to ORCID  
Allows Test Repository to link your ORCID id with your Test Repository record. This is the minimum required.
- ☒ Create and update publication details on your ORCID record  
Allows Test Repository to add details of your publications to your ORCID record and update the details on your Test Repository.
- ☒ Retrieve restricted details from your ORCID profile  
Allows Test Repository to retrieve details from your ORCID profile that are restricted to your trusted contacts.


id Create or Connect your ORCID ID


Test Repository is powered by [EPrints 3](#)


User creates/connects ORCID iD to profile


[Manage records](#) | [Profile](#) | [Saved searches](#) | [Review](#) | [Admin](#) | [Reports](#) | [Logout](#)

ORCID Test

Fyson, Richard William , Bradley, J and Carr, L (2017) *ORCID Test*. Journal.

 ORCID: 0000-0002-7227-8293

 hello.pdf - Accepted Version  
Restricted to Repository staff only  
[Download \(6kB\)](#)

 Text  
hello2.pdf - Published Version  
[Download](#)

iD shown in all locations where author info is displayed

ORCID <http://sandbox.orcid.org/0000-0001-6867-4536> Dr Will Fyson

(Not You?)

**EPrints ORCID Support Advanced**  
has asked for the following access to your ORCID Record

id eye refresh

Add or update your research activities  
Get your ORCID iD  
Read your limited-access information

☒ Allow this permission until I revoke it.  
*You may revoke permissions on your account settings page.  
Unchecking this box will grant permission this time only.*

This application will not be able to see your ORCID password, or other private info in your ORCID Record. [Privacy Policy](#).

Authorize

Deny



# ePrints Plugin (JISC / EPrints Services)

[https://wiki.eprints.org/w/ORCID\\_Support#ORCID\\_Support\\_Advance](https://wiki.eprints.org/w/ORCID_Support#ORCID_Support_Advance)

The screenshot shows the 'Import from orcid.org' page in the ePrints software. The header includes the ePrints logo and navigation links. The user is logged in as 'Mr EP Services'. The main heading is 'Import from orcid.org for Mr EP Services'. Below this, there is a section for 'Import from orcid.org for Mr EP Services' with a sub-heading 'Select ORCID works to import via their DOIs'. A blue 'Import' button is visible. A table lists a record: 'ORCID Test 2', dated '04/07/2017', of type 'JOURNAL\_ARTICLE'. The 'source-work-id' is '4' and the 'uri' is 'http://ref.eprints-hosting.org/4/'. The 'Source' is 'EPrints ORCID Support Advanced'. There is a checkbox for 'Import from orcid.org:' which is checked.

Users or admins can import records from ORCID

The screenshot shows the 'Export to orcid.org' page in the ePrints software. The header includes the ePrints logo and navigation links. The user is logged in as 'Mr EP Services'. The main heading is 'Export to orcid.org for Mr EP Services'. Below this, there is a section for 'Export to orcid.org for Mr EP Services' with a sub-heading 'Select records to export to your orcid.org profile'. A blue 'Export' button is visible. A table lists records for export:

| Record   | Export                              |
|--|-------------------------------------|
| Fyson, RW  and Bradley, J  (2017) <a href="#">ORCID Test 2</a> . Journal. (In Press) | <input checked="" type="checkbox"/> |
| Fyson, William  and Bradley, J. <a href="#">ORCID Test</a> . Journal.                | <input checked="" type="checkbox"/> |
| Fyson, William <a href="#">Lorem Ipsum</a> . Lorem.                                  | <input checked="" type="checkbox"/> |

At the bottom, there is a blue 'Export' button.

...and export records to ORCID

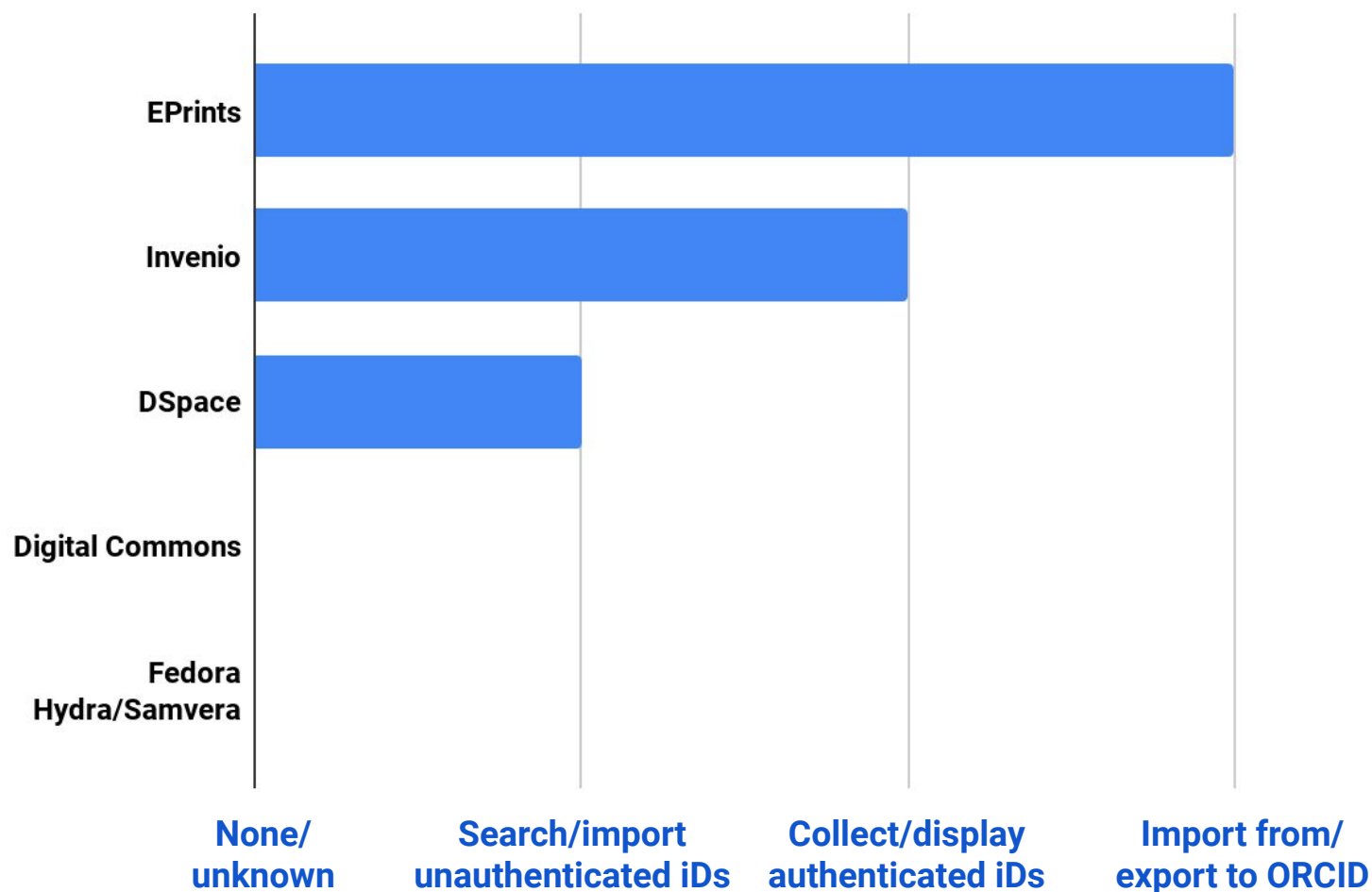
**Well, that's pretty neat.**

...if you're using ePrints,  
have vast software development resources,  
or are some kind of wizard

**If not, then what???**

# ORCID support in repository platforms

(core system features or supported, documented plugin)



# What can we do?

*Let's get together!*

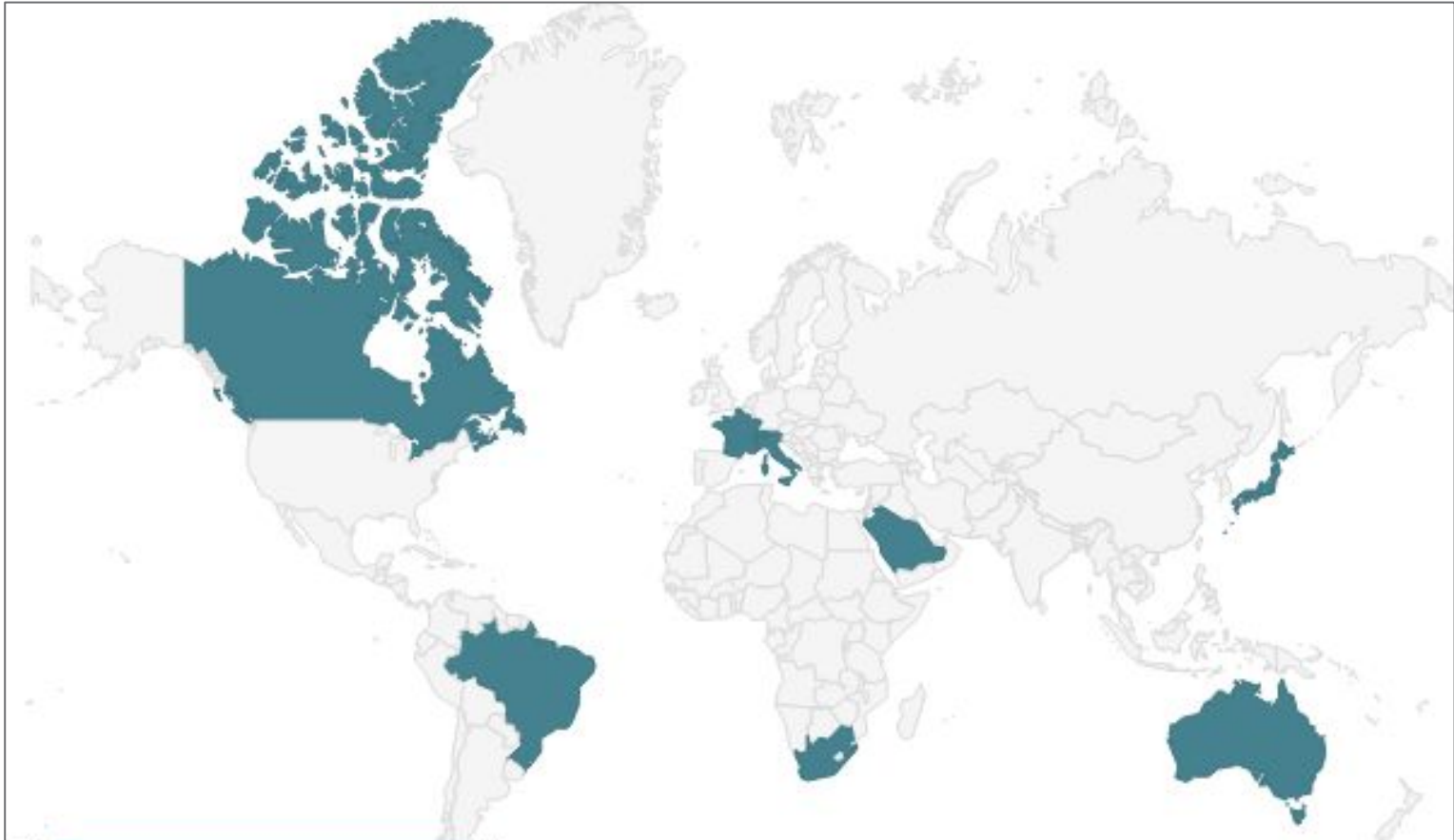
## **ORCID in repositories Task Force**

*Aug - Dec 2018*

- Define common community needs around ORCID in repository software
- Publish recommendations

# Task force participants

**15** members from **12** countries



# Task force participants

- **Wesley Barry**, TENET, South Africa
- **Paola Galimberti**, University of Milan, Italy
- **Stephen Grace**, London South Bank University, UK
- **Daryl M. Grenz**, KAUST, Saudi Arabia
- **Masaharu Hayashi**, National Institute of Informatics, Japan
- **Salwa Ismail**, Georgetown University, USA
- **Bénédicte Kuntziger/Agnès Magron**, CCSD, France
- **Michele Mennielli**, Duraspace, USA (Chair)
- **Lars Holm Nielsen**, CERN, Switzerland
- **Sheila Rabun**, LYRASIS, USA
- **Andrea Sz wajcer**, University of Manitoba, Canada
- **Washington R. de Carvalho Segundo**, IBICT, Brazil
- **Alicia Starr** Avondale College of Higher Education, Australia
- **Irine Tanudjaja**, National University of Singapore, Singapore
- **John Westbrook**, RCSB, Protein Data Bank, USA

# Process

- **Aug 2018:** Reviewed JISC ePrints spec
- **Sept 2018:** Prepared draft recommendation
- **Oct/Nov 2018:** Public comment period (~30 participants!)
- **Dec 2018:** Reviewed public comments & prepared final recommendation
- **Feb 2019:** Released final recommendations  
<https://doi.org/10.23640/07243.7777274>

# Recommendations

The task force recommends that repository software platforms developed for distribution to others support these ORCID functions:



**Collect ORCID iDs**



**Display ORCID iDs**



**Exchange data with ORCID**



**Include iDs in machine-readable outputs**



**Configuration options + reporting tools**



# **Collect ORCID iDs**

- **Support collecting authenticated ORCID iDs**  
which means that users sign into ORCID and authorize the repository to obtain their iD and (optionally) permission to update their ORCID records
- **Support other ways of obtaining ORCID iDs**  
including in mediated deposits and bulk uploads by repository managers, as well as automated deposits from other systems
- **Allow admins to request authenticated iDs** and ORCID record update permission from authors and co-authors, in cases where iDs are missing or have not been authenticated



# Display ORCID iDs

**Support displaying ORCID iDs wherever user/contributor information is displayed** using one of the options listed in ORCID's display guidelines:

- iD icon followed by the full iD URI, inked to the iD URI:  
 <https://orcid.org/0000-0002-1825-0097>
- iD icon, hyperlinked to the iD URI: 
- iD URI, hyperlinked to the iD URI:  
<https://orcid.org/0000-0002-1825-0097>

# ↕ Exchange data with ORCID

- **Allow admins and/or users to push/pull data to/from ORCID records**
- **Push/pull functionality should be configurable.**  
Admins should be able to:
  - Enable/disable the functionality
  - Choose to pull data only for authenticated iDs (pushing data requires an authenticated iD)
  - Choose which types of data to push/pull
  - Choose to exchange data on demand (one-time) or automatically, on a regular basis

# ↕ Exchange data with ORCID

- **If the system allows users to control pushing/pulling their own data to/from ORCID, also users to configure settings, including:**
  - Enable/disable the functionality
  - Choose to exchange data on demand (one-time) or automatically, on a regular basis



# Machine-readable outputs

- **Support exposing ORCID iDs in metadata outputs**, such as OAI-PMH XML, wherever possible
- **Express ORCID iDs according to standards/best-practices** whenever possible (RIOXX, OpenAIRE, DCMI, etc)

```
<datacite:creators>
  <datacite:creator>
    <datacite:creatorName>Evans, R.J.</datacite:creatorName>
    <datacite:affiliation>Institute of Science and
Technology</datacite:affiliation>
    <datacite:nameIdentifier nameIdentifierScheme="ORCID"
                               schemeURI="http://orcid.org">
      1234-1234-1234-1234
    </datacite:nameIdentifier>
  </datacite:creator>
</datacite:creators>
```



## Configuration options + reporting tools

- **Provide testing, logging and reporting features for administrators**
  - Connect to ORCID public **OR** member API
  - Connect to ORCID production **OR** sandbox test site
  - Export report of stored ORCID iDs, access tokens, etc
- **Provide documentation about ORCID features, for both administrators and end users**

# What now?

## ORCID is working on:

- Engagement and advocacy w/vendors and developers
- Documentation/support for developers implementing recommendations

Look for updates on <https://orcid.org/about/news!>

# What now?

## What can you do?

- **Vendors/developers:** Check out the [recommendations](#) and contact ORCID for guidance and support
- **Implementers:** Contact your vendor or open-source community!

# Resources

- Task force recommendations:  
<https://doi.org/10.23640/07243.7777274>
- [Blog post](#) about the recommendations
- [Task force charter](#)

# Thanks!

**Liz Krznarich**

[e.krznarich@orcid.org](mailto:e.krznarich@orcid.org)

 <https://orcid.org/0000-0001-6622-4910>

Slides: <https://orcid.figshare.com>

Images [CC0](https://pixabay.com/) from <https://pixabay.com/>