



Working together to make ORCID work for repositories

ORCID in repositories task force

Open Repositories 2019 | Hamburg, June 2019

Liz Krznarich, ORCID <https://orcid.org/0000-0001-6622-4910>

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

About this time last year...



A brief history of ORCID in repositories...

Repositories have been on our minds at ORCID since the beginning

Our goal: Help make scholarly communication
workflows easier for everyone...enter once,
reuse often



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, so users 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">last name: Hancockfirst name: Roelandorcid: 0000-0001-8932-6872
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

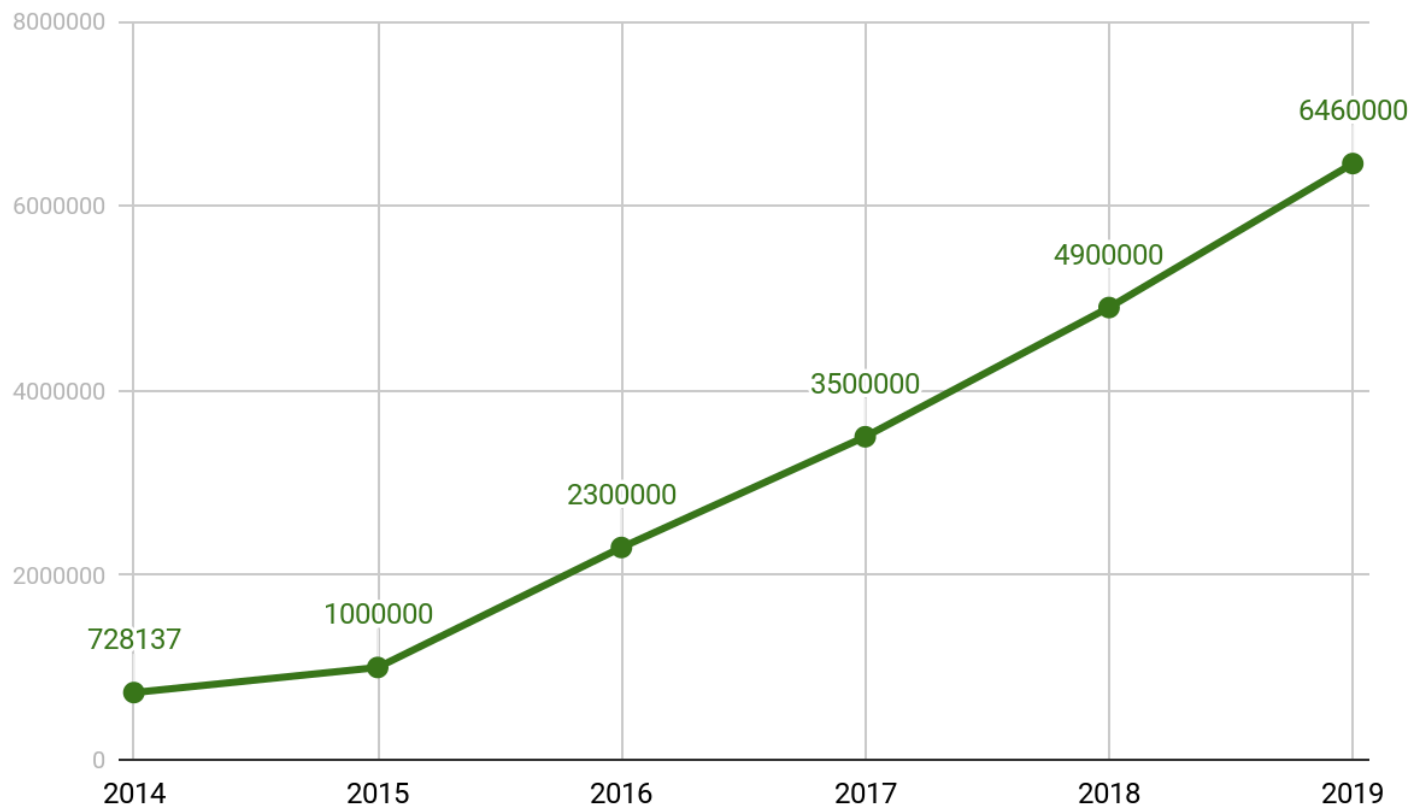
Search for author in ORCID



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

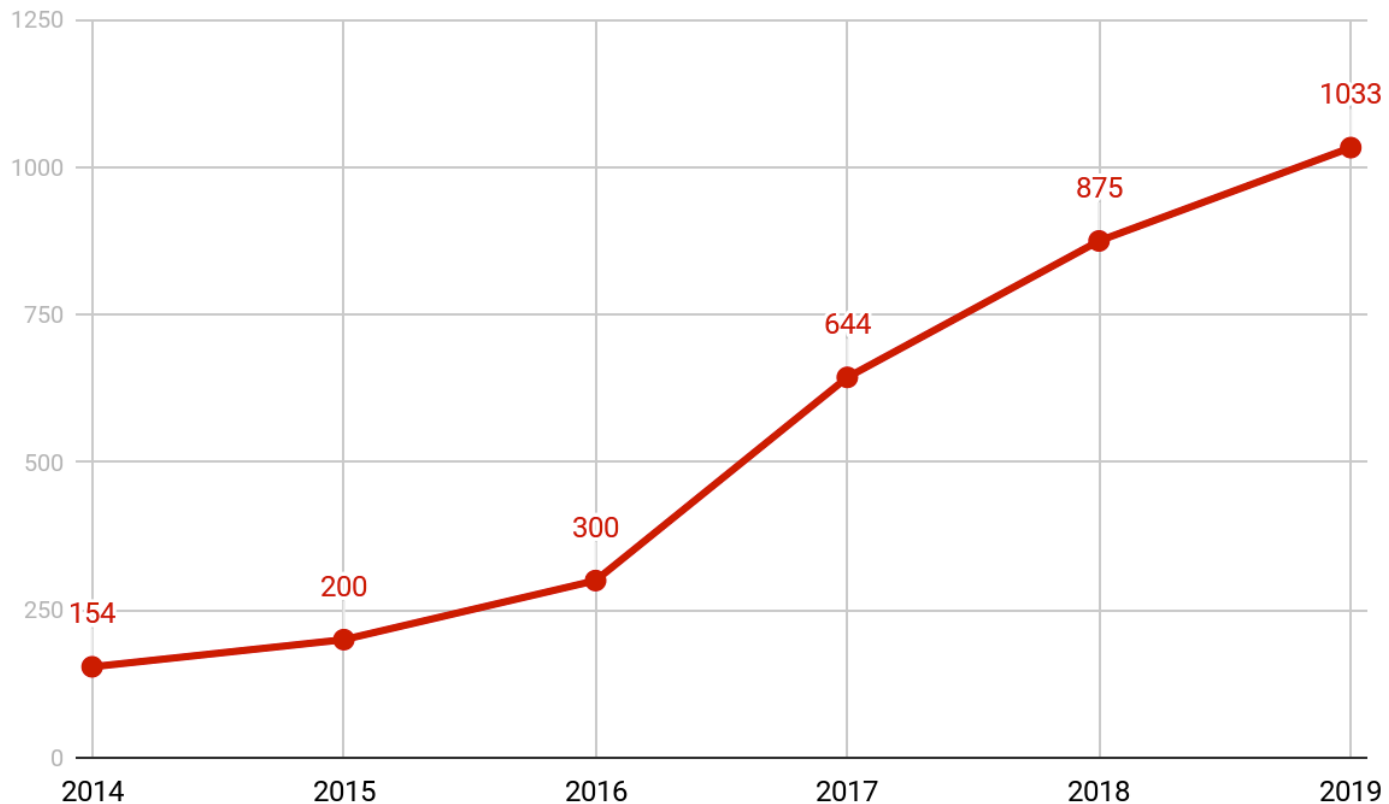
Fancy charts 2014-2019

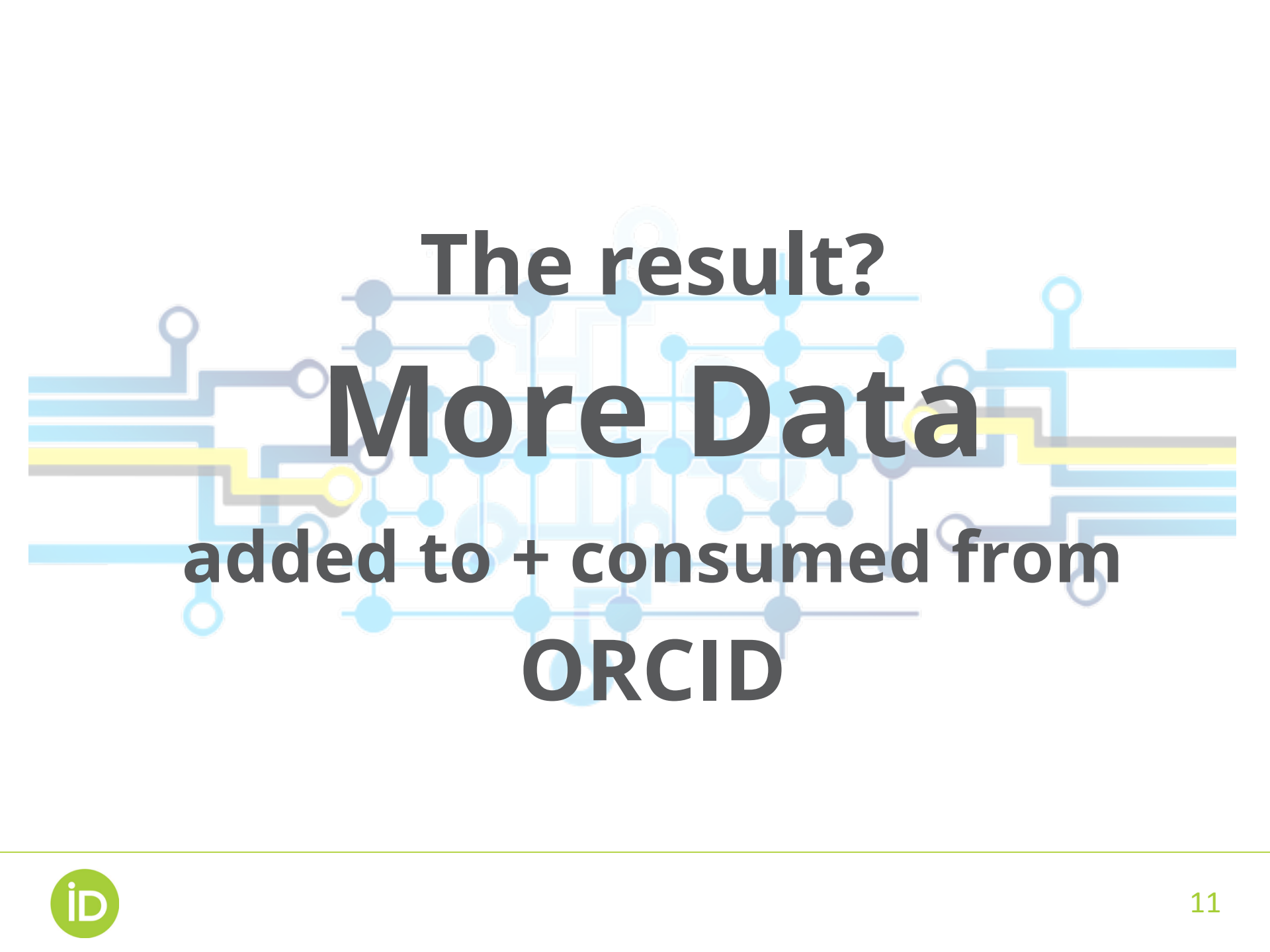
Live ORCID iDs



Fancy charts 2014-2019

ORCID member organizations





The result?
More Data
added to + consumed from
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 complex mechanical texture.

A new generation of repository integrations

University of New England

e-publications@UNE Fedora + custom ORCID app

The screenshot shows a web application interface for connecting an ORCID iD. It includes a progress bar at the top with 'Exit Wizard', 'Back', and 'Next' buttons. The main content area is titled '1 Create or connect your ORCID iD' and contains instructions and a list of options. A 'Please choose' section has three checked options. Below this is a 'Create or connect your ORCID iD' button. To the right, a 'Preview and Action Your Research Outputs' section has 'Claim Research Output' and 'Reject Research Output' buttons. At the bottom, there are two more checked options. Three red callout boxes provide additional context: the first points to the 'Create or connect your ORCID iD' button, the second points to the 'Please choose' section, and the third points to the bottom options.

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

- ☒ *Link my ORCID iD
- ☒ Read new works from my ORCID Record
- ☒ Keep my ORCID Record up-to-date

Create or connect your ORCID iD

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 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.

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



ePrints Plugin (JISC / EPrints Services)

https://wiki.eprints.org/w/ORCID_Support#ORCID_Support_Advance

The screenshot shows the eprints repository software interface. The top navigation bar includes links for Home, About, and Browse. Below this, a status bar indicates the user is logged in as 'Mr EP Services' and provides links to Manage deposits, Connect to ORCID, Manage records, Profile, Saved searches, Review, Admin, Reports, Edit page phrases, and Logout. The main content area is titled 'Connect to ORCID' and displays 'ORCID details for Mr EP Services'. It includes a link for more information and a list of permissions to be granted to the repository. A button labeled 'Create or Connect your ORCID id' is visible. On the right side, there is a sidebar with the ORCID logo, the user's name 'Dr Will Fyson', their ORCID ID 'http://sandbox.orcid.org/0000-0001-6867-4536', and a link '(Not You?)'. Below this, a section titled 'EPrints ORCID Support Advanced' indicates that access has been requested for the user's ORCID record. It lists permissions: 'Add or update your research activities', 'Get your ORCID id', and 'Read your limited-access information'. A checkbox is checked, allowing the permission until it is revoked, with a note that unchecking the box will grant permission for this time only. At the bottom of this section, there are buttons for 'Authorize' and 'Deny'.

User creates/connects ORCID iD to profile

The screenshot shows the eprints repository software interface, specifically the 'ORCID Test' page. The top navigation bar includes links for Manage records, Profile, Saved searches, Review, Admin, Reports, and Logout. The main content area is titled 'ORCID Test' and displays the user's name 'Fyson, Richard William' and their ORCID ID '0000-0002-7227-8293'. Below this, there is a list of publications, including 'hello.pdf - Accepted Version' and 'hello2.pdf - Published Version'. The ORCID ID is highlighted with a green box, and a red arrow points from the text 'iD shown in all locations where author info is displayed' to it.

iD shown in all locations where author info is displayed



ePrints Plugin (JISC / EPrints Services)

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'. A checkbox 'Import from orcid.org:' is checked.

Import from orcid.org

Import from orcid.org for Mr EP Services

Select ORCID works to import via their DOIs

Import

ORCID Test 2
04/07/2017 | JOURNAL_ARTICLE
source-work-id: 4
uri: <http://ref.eprints-hosting.org/4/>
Source: EPrints ORCID Support Advanced

Import from orcid.org: ☒

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:

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

Export

...and export records to ORCID

DSpace-CRIS

<https://wiki.duraspace.org/display/DSPACECRIS/ORCID+Integration>

The screenshot shows the 'ORCID Authorizations' section of a DSpace-CRIS user profile. A red callout box points to the 'Create an ORCID ID' and 'Connect to ORCID ID' buttons, stating: 'User creates/connects ORCID iD to profile'. Below this, the 'Preferred, name' section is visible, with a message: 'The changes to the Edit Personal Information Tab has been saved'. A second red callout box points to the 'ORCID' tab and the displayed ORCID ID '0000-0002-9421-192X', stating: 'iD displayed on researcher page'. The interface includes a navigation bar with links for 'Network Lab', 'View Statistics', 'Email Alert', 'RSS Feed', and 'Edit Researcher Page'. The main content area displays the user's profile information, including the ORCID ID and a biography section with placeholder text.

ORCID Authorizations

ORCID iD Not Yet

Create an ORCID ID

Connect to ORCID ID

User creates/connects ORCID iD to profile

Preferred, name

The changes to the Edit Personal Information Tab has been saved

ORCID Other

iD displayed on researcher page

Credit Name Preferred, name Full Name DSpace-CRIS, Researcher Vernacular Name Some Additional, names

ORCID 0000-0002-9421-192X

Biography

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum



DSpace-CRIS

<https://wiki.duraspace.org/display/DSPACECRIS/ORCID+Integration>

The screenshot displays the DSpace-CRIS ORCID integration interface. On the left, the 'ORCID Synchronization settings' panel includes 'Publications Preferences' (with a 'Send all publications' button), 'Projects Preferences' (with a 'Disabled' button), and 'Profile Preferences' (with buttons for 'Biography', 'primary-email', 'credit-name', 'no-3100-country', 'keywords', 'other-emails', 'name', and 'other-name'). Below this is the 'ORCID Registry Queue' section, which shows a table of items to be synchronized. The table has columns for 'Name' and 'The queue'. The first entry is 'Pascarelli, Andrea' with a status of 'This is a test case for ORCID claim'. The second entry is 'test'. The table shows 'Showing 1 to 3 of 3 entries'. To the right of the table is a 'Synchronization actions' section with a 'PUT request for "publications"' button and a 'Manual PUSH' button. A red arrow points from the 'Manual PUSH' button to the 'ORCID ID' section on the right. The 'ORCID ID' section shows the ORCID ID '0000-0002-XXXX-XXXX' and a 'View public version' button. Below this is a 'Get a QR Code for your iD' button. The right side of the screenshot shows the ORCID profile page for 'Pascarelli, Andrea', which includes sections for 'Biography', 'Education (0)', 'Employment (0)', 'Funding (0)', and 'Works (1)'. The 'Works (1)' section shows a 'Test Article for ORCID' with a 'Preferred source' button.

ORCID Synchronization settings

Publications Preferences: **Send all publications**

Projects Preferences: **Disabled**

Profile Preferences: **Biography**, **primary-email**, **credit-name**, **no-3100-country**, **keywords**, **other-emails**, **name**, **other-name**

ORCID Registry Queue

The batch system in the next run will send the follow data to the Orcid Registry: **PUT request for "publications"**

Synchronization actions

Manual PUSH

ORCID ID

0000-0002-XXXX-XXXX

View public version

Get a QR Code for your iD

Also known as: DSpace-CRIS, Researcher

Country

Keywords

Websites

Emails: researcher.dspacecris@mailinator.com

ORCID profile page for Pascarelli, Andrea

Biography

Education (0): + Add education | IT Sort

Employment (0): + Add employment | IT Sort

Funding (0): + Add funding | IT Sort

Works (1): + Add works | IT Sort

Test Article for ORCID

Sample journal

2015-01-01 | other

SOURCE-WORK-ID: 65

URL: <http://demo-dspace-cris.cineca.it/handle/123456789/41>

Source: DSpace-CRIS Demo WebSite

Preferred source

Data synchronization
between ORCID and
DSpace-CRIS

That's great news!

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

If not, then what???

What can we do?

Let's get together!

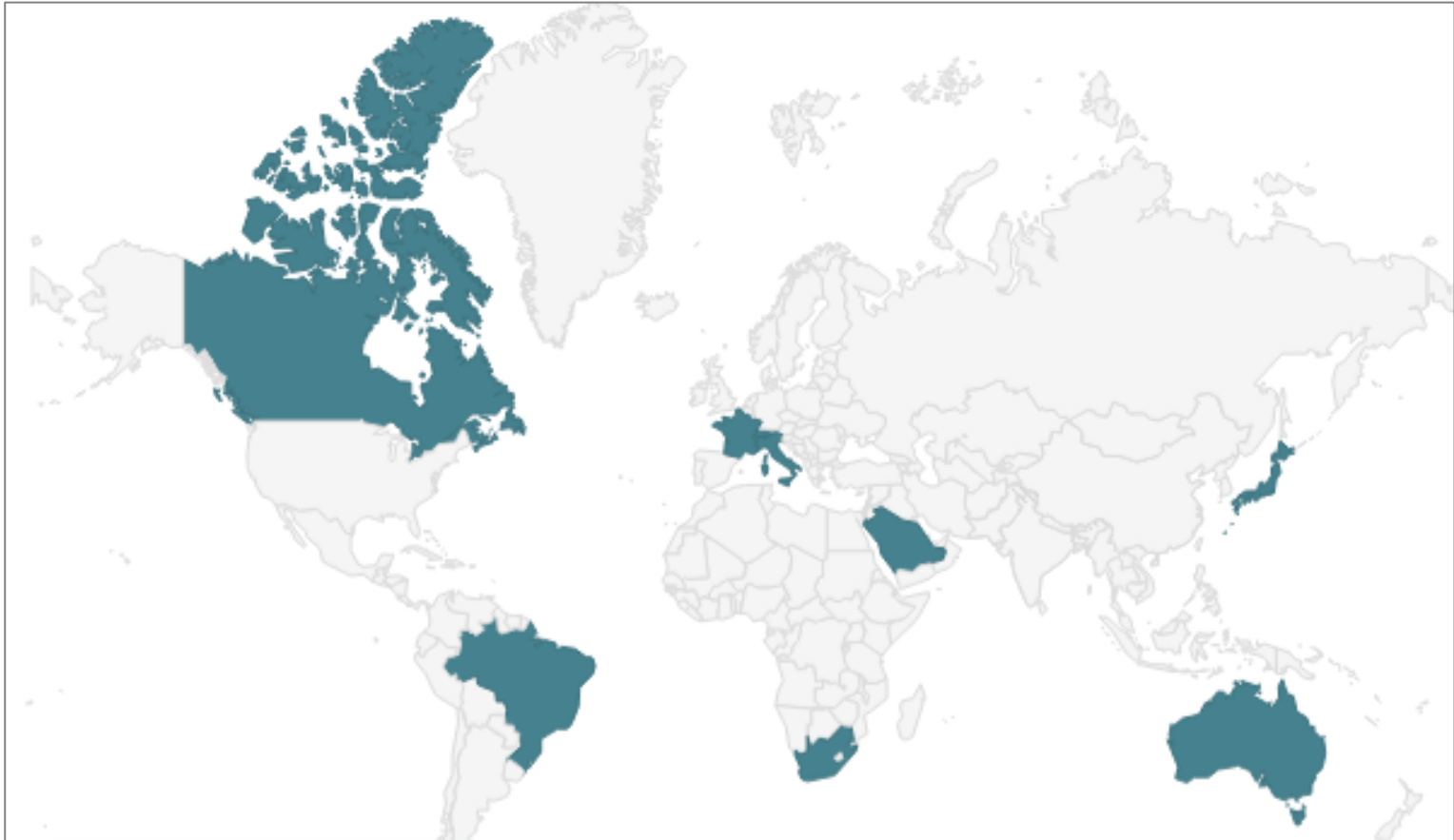
ORCID in repositories Task Force

Aug - Dec 2018

- Define common community needs around ORCID in repository software platforms
- 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 Szwajcer**, 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://tinyurl.com/y2b7w7sz>

Recommendations

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



Collect ORCID iDs



Display ORCID iDs



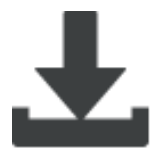
Exchange data with ORCID



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, update permission)
- **Support other ways of obtaining ORCID iDs**
Including in mediated deposits, bulk uploads by repository managers, and 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

- 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

- **Push/pull functionality should be configurable**
- **Admins should be able to:**
 - Enable/disable the functionality
 - Choose whether users or only admins can import/export data
 - 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 ORCID push/pull, 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**

Now what?

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?

Status updates:

- **DSpace:** It's all about Entities; sometime after DSpace 7
- **Digital Commons:** Exploration happening now; detailed plans TBD

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

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

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