BETTER TOGETHER WITH DSPACE-CRIS & EPRINTS

19 SEPTEMBER 2019



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ORCID.org

Our guest speakers



Andrea Bollini 4Science



Will Fyson
Eprints Services



Rory McNicholl Co-Sector



Why ORCID?





ORCID'S VISION IS A WORLD WHERE ALL WHO

PARTICIPATE IN RESEARCH, SCHOLARSHIP, AND INNOVATION

ARE UNIQUELY IDENTIFIED AND CONNECTED TO THEIR

CONTRIBUTIONS AND AFFILIATIONS ACROSS TIME,

DISCIPLINES, AND BORDERS.



What is ORCID?

- ORCID is an open, not-for-profit organization run by and for the research community
- We provide researchers with a unique identifier, an ORCID iD, that reliably and clearly connects them with their research contributions, affiliations, funding & facilities
- We provide open tools (ORCID Registry & API)
 that enable transparent connections between
 researchers, and identifiers for their activities
 & contributions.



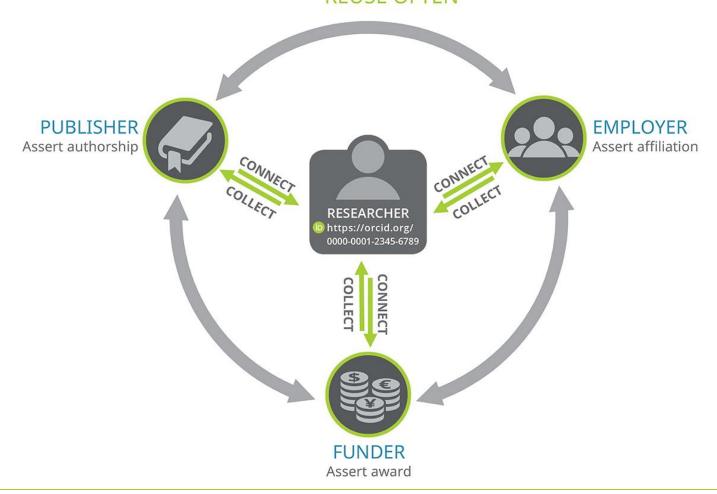
Our Community

- 1059 members from 40+ countries
- 20 consortia
- 600+ system integrations: all research sectors
- 7M+ iDs connected to:
 - 7M+ affiliations
 - 42M+ works
 - 16M+ unique DOIs



And how did we get there? Being OPEN!

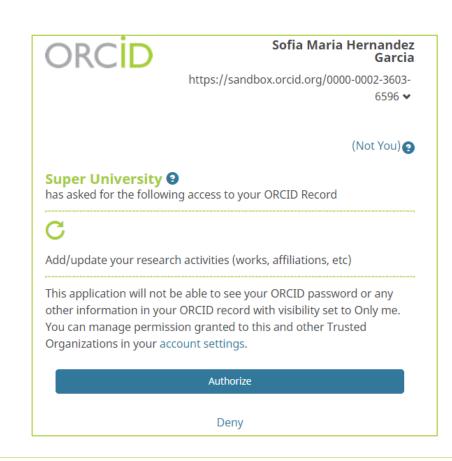
INTEROPERABILITY ENTER ONCE REUSE OFTEN





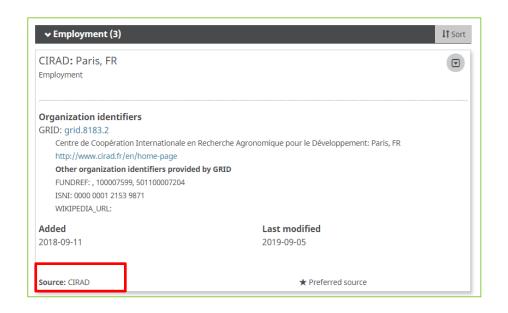
RESPECT RESEARCHER CONSENT & PRIVACY

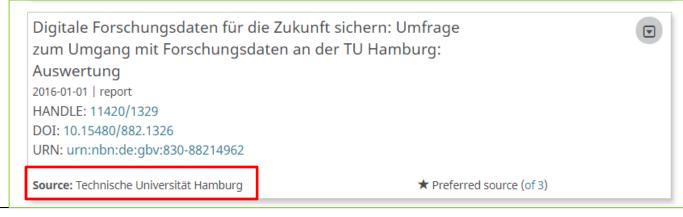
- AUTHENTICATION is quick, easy & accurate
- Request & obtain permission to read / write to the ORCID record (trusted parties)
- Sign in + Authorize> ORCID API pushes the iD to your system





Interoperability in action







ACTIVITIES IN ORCID RECORDS

AFFILIATIONS

Number of affiliation items... 7,205,795

Number of affiliation items by type...

- -EDUCATION (3,538,844)
- -EMPLOYMENT (3,164,165)

Affiliation items by visibility...

- -LIMITED (411,898)
- -PRIVATE (333,362)
- -PUBLIC (6,460,535)

WORKS

Number of works... 45,052,228

Works by visibility...

- -LIMITED (1,223,033)
- -PRIVATE (2,033,664)
- -PUBLIC (41,796,209)



How to integrate with ORCID?

- 1. PLAN
- 2. BUILD/TEST
- 3. COMMUNICATE





Why integrate with ORCID?

- RELIABLE CONNECTIONS
- IMPROVE DATA QUALITY
- REDUCE THE BURDEN

When institutions integrate, connect, and share data, everybody wins.



MORE INFORMATION/RESOURCES

- Technical documentation
 - https://members.orcid.org/
 - https://members.orcid.org/api
 - o https://members.orcid.org/api/getting-started
- Vendor-enabled systems
 - https://members.orcid.org/api/vendors/

https://support.orcid.org/



DSpace-CRIS: the free open-source Research Information Management System fully integrated with ORCID

Andrea Bollini www.4science.it

ORCID Webinar, Better together
19 September 2019



DSpace-CRIS

DSpace-CRIS is an "extended" version of DSpace, the most adopted repository platform in the world.

It has a powerful and flexible data model to describe not just publications, but all the entities that populate the research environment and their meaningful relationships.

https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Home (documentation)

https://dspace-cris.4science.it/ (demo)



Open solution for research information management

DSpace-CRIS is **free**, **open source**, compliant with **open** standards, open protocols, open technologies.

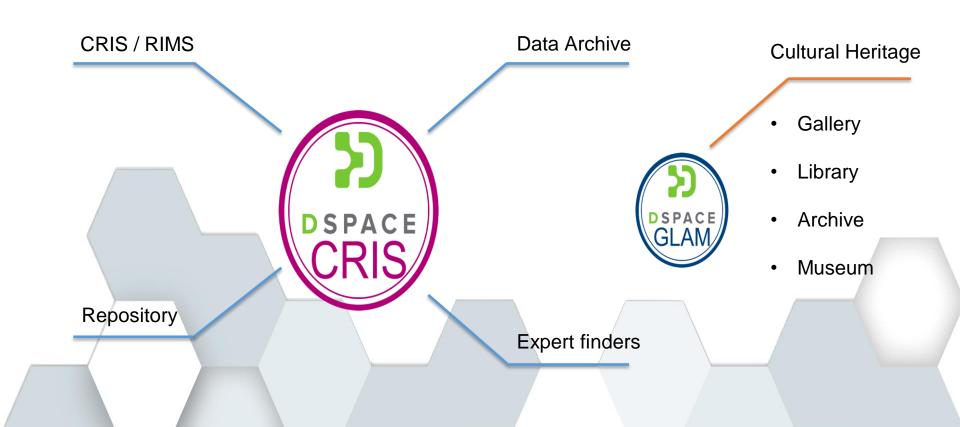
It provides institutions with a sustainable and effective tool to manage research information such as: researchers' profiles, department pages, project grants & awards, research outputs, patents, theses, metrics, reports, statistics, etc.

Now adopted in 6 continents:

https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Users



One solution for multiple communities

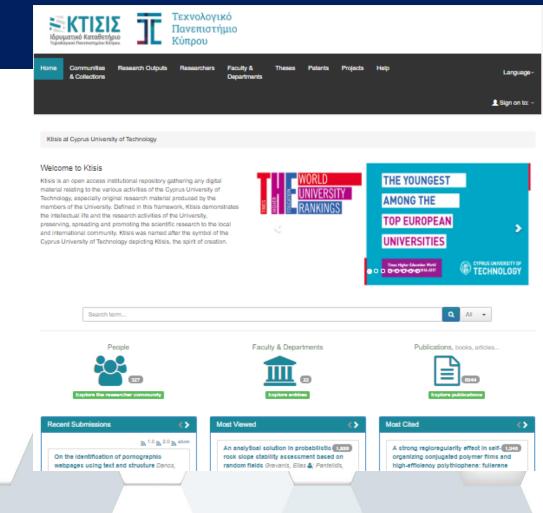




Information space

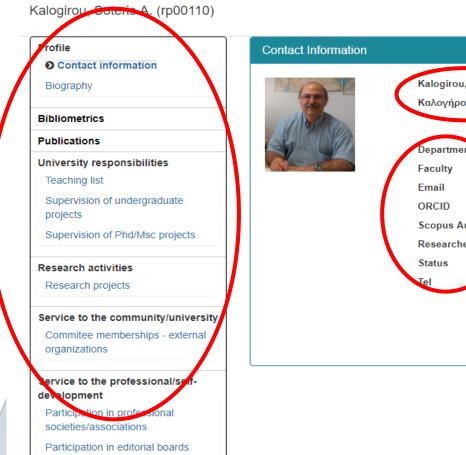
- Researcher profiles
- Organisations
- Projects / Fundings
- Publications
- Research Data
- Communities services
- Awards







Detailed Researcher's profiles





Network Lab

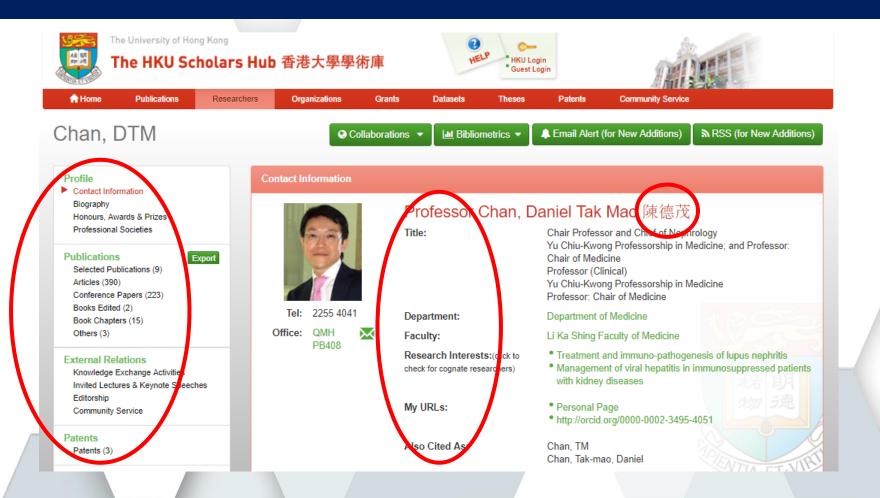
IIII View Statistics

Email Alert

RSS Feed



Detailed Researcher's profiles





ORCID Integration



COLLECT ORCID iDs

Support collecting authenticated ORCID iDs and permission to update users' ORCID records. Also 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.



DISPLAY ORCID iDs

Support displaying ORCID iDs wherever user/contributor information is displayed. ORCID iDs that have not been authenticated by their owner should be displayed slightly differently from those that have been authenticated.



EXCHANGE DATA WITH ORCID

Support pulling and pushing information to and from ORCID, including publications, affiliations, and other info when available.



CONFIGURATION OPTIONS

Allow administrators to configure ORCID features to meet their local needs. Also provide testing and logging features, and documentation.



INCLUDE IDS IN MACHINE-READABLE OUTPUTS

Support exposing ORCID iDs in metadata outputs, such as OAI-PMH XML, wherever possible

Meadows, A., et al. (2019) Recommendations for Supporting ORCID in Repositories, https://doi.org/10.23640/07243.7777274.v3





Public API – Login via ORCID

A local Researcher Profile can be immediately created capturing information from ORCID

Log In to DSpace	
New user? Click here to register. Please enter your e-mail address and password into the form below.	Use your ORCID or create a new one
E-mail Address:	ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized. Click on the ORCID logo to signin with your existent record or create a new one.
Password:	
Have you forgotten your password? Log In	Register or Connect your ORCID iD



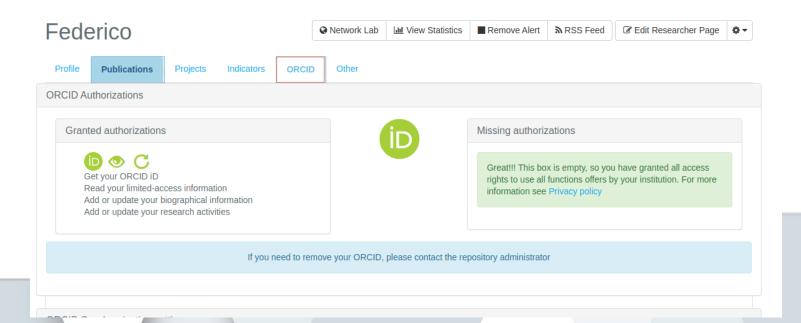
Public API – Connect profile

The researcher can connect his local profile with ORCID or create a new one. This is the only way to get an ORCID, it cannot be input manually!



Public API – Connect profile

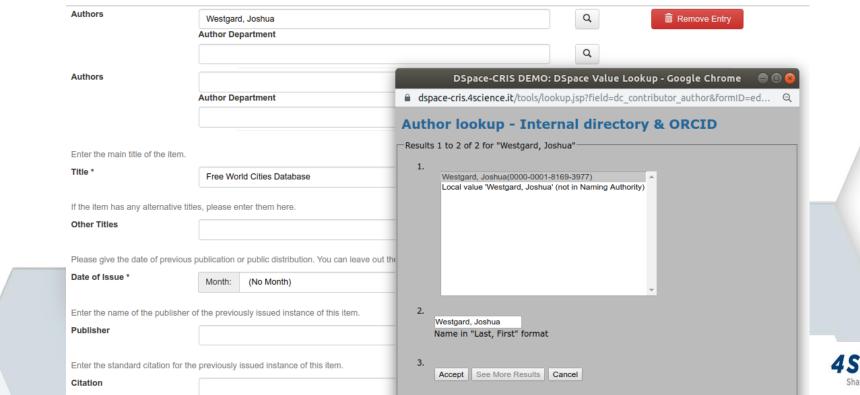
Connected profile shows the granted authorization and provide instruction / option to disconnect





Public API - Registry lookup

During the submission process a librarian can identify the authors in the ORCID registry or the system can use the information if provided by the external datasource (pubmed, scopus, etc.)



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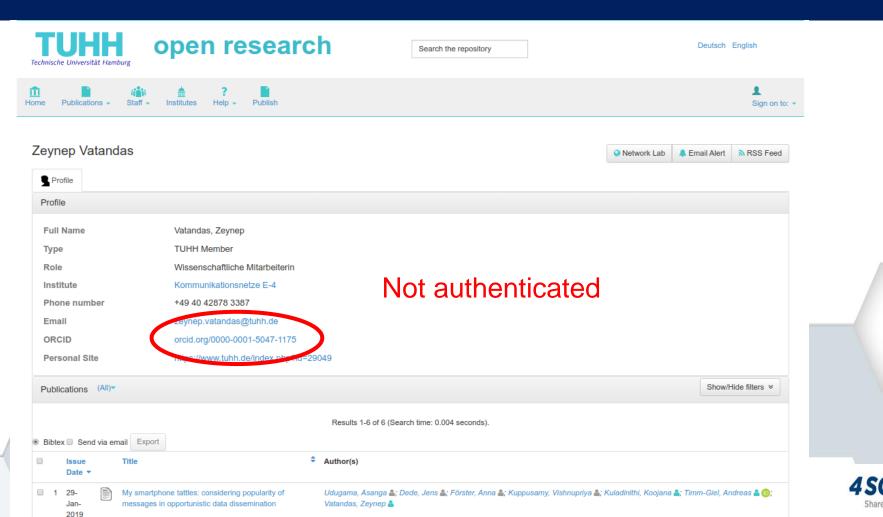
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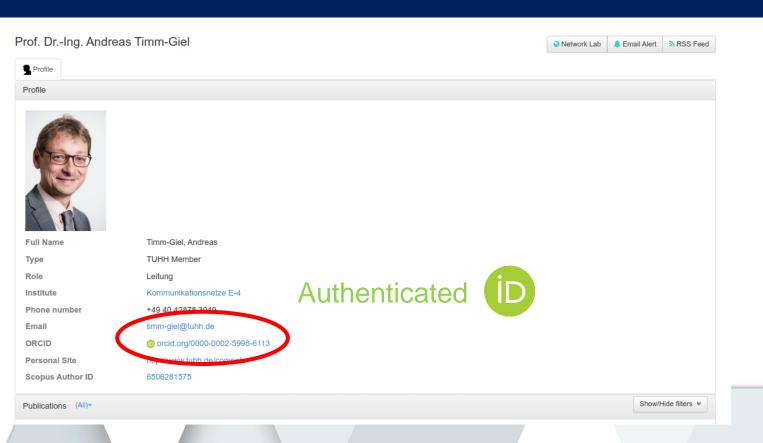




Public API – Display of ORCID IDs

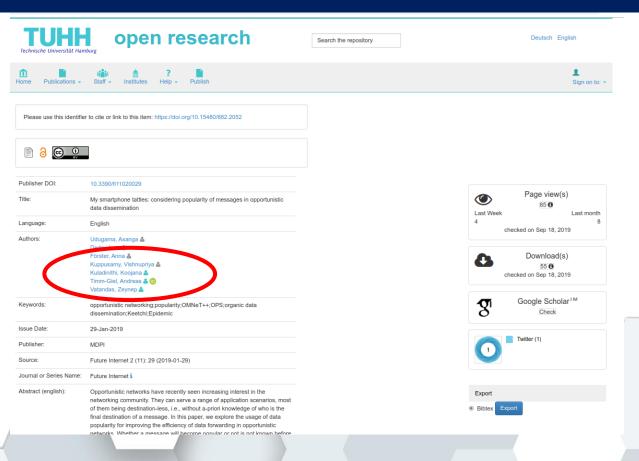


Public API – Display of ORCID IDs





Public API – Display of ORCID IDs



Authors with an authenticated ORCID have the ORCID badge



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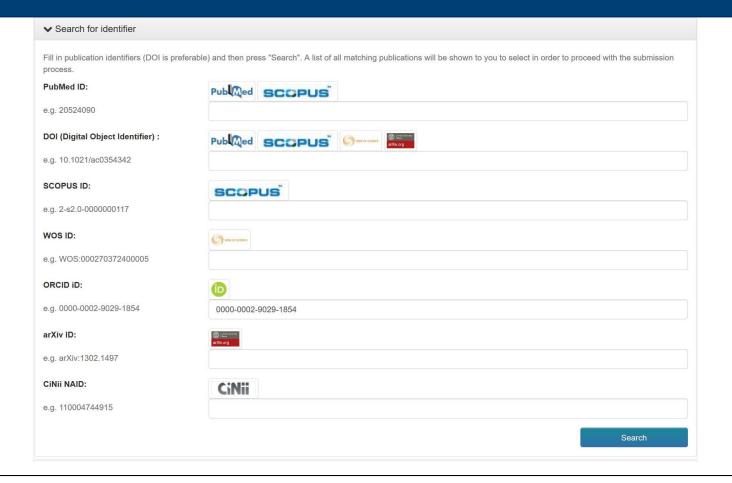


Public API – Pull of information

- Initialize new local profiles upon login and user request;
- Create a local profile for identified author;
- Update local profiles with ORCID: academic society, thematic
 repository or track progress of former phd students, etc.

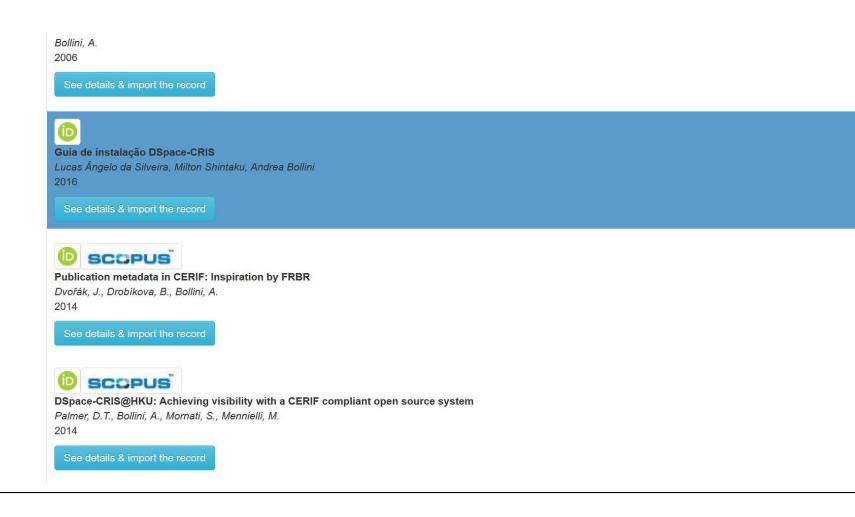


Import publications from ORCID





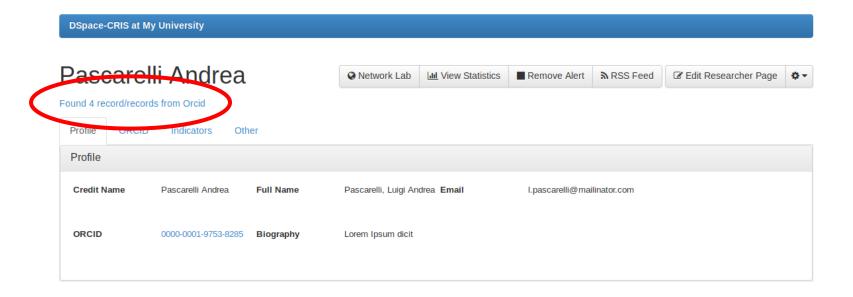
Import publications from ORCID





Premium Member API - WebHook

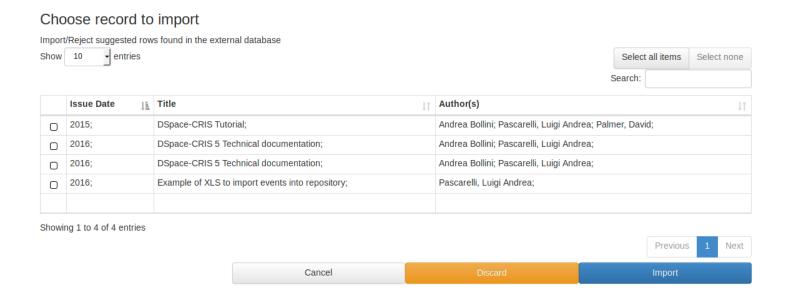
Premium ORCID member can register webhooks to be automatically notified about changes to ORCID profiles of their interest.





Premium Member API - WebHook

The researcher can complete the import or discard suggestion

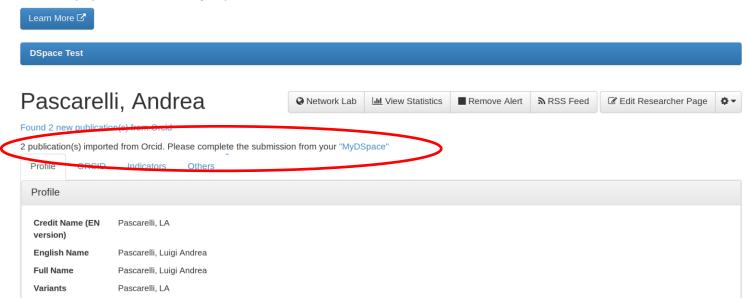




Premium Member API - WebHook

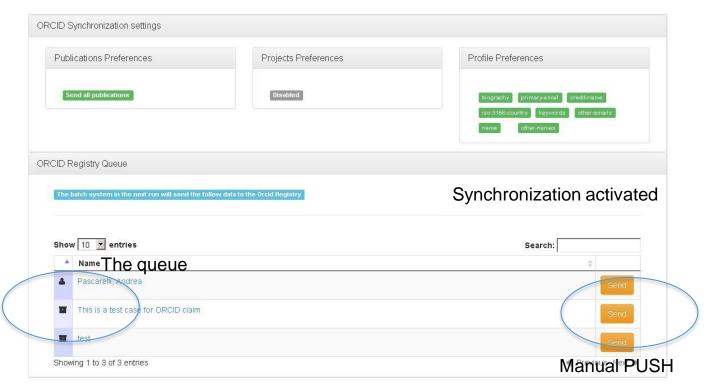
DSpace-CRIS consists of a data model describing objects of interest to Research and Development and a set of tools to manage the data. Standard DSpace is used to deal with publications and data sets, whereas DSpace-CRIS involves other CRIS entities: Researcher Pages, Projects, Organization Units and Second Level Dynamic Objects (single entities specialized by a profile, such as Journal, Prize, Event etc; because any profile can define its own set of properties and nested objects)







Member API - Push information



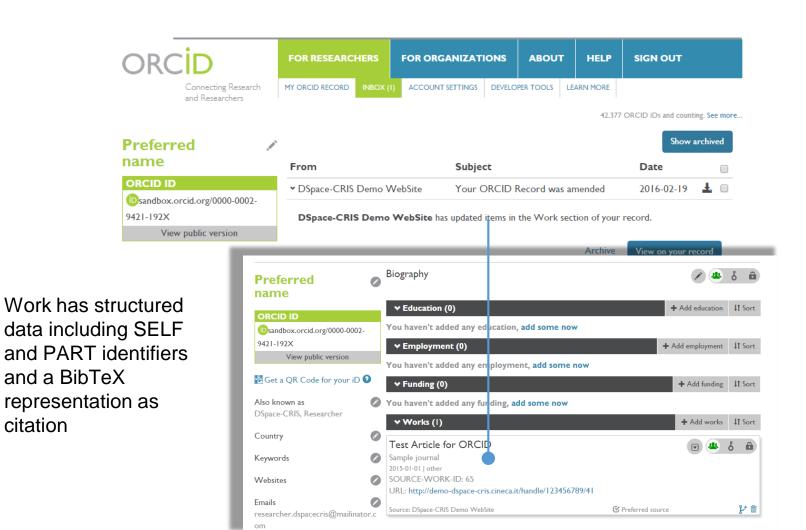
Person data including employment and education

Fundings

Works

PUT codes are stored to manage update







citation

ORCID Integration



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Suggest publication import from ORCID (WebHook)

Public API | Wiember API | Premium Wiember API

Sandbox | Production

Grant scope

Mapping from – to ORCID for

biography data, work, funding, employment,

education

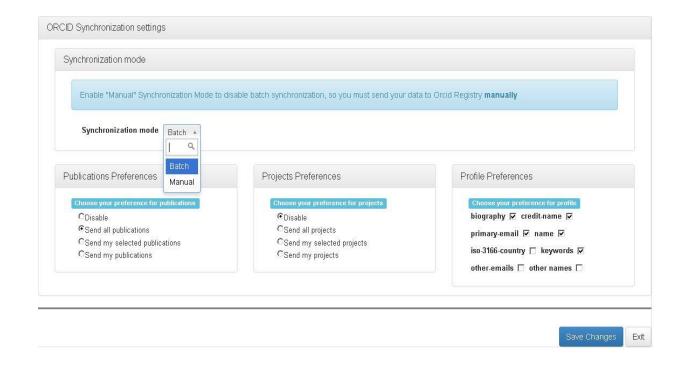
Synchronization mode: automatic, manual

Documentation

 https://wiki.duraspace.org/display/DSPACECRIS/ORCID+Int egration



Researcher Synchronization preferences





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OAI-PMH – OpenAIRE Guidelines



ORCID IDs can be included in any format exposed over OAI-PMH



DSpace-CRIS supports out-of-box the following guidelines where the ORCID IDs are exposed

- Guidelines for DataArchive based on DataCite schema
 4
- Guidelines for CRIS Manager based on CERIF*

^{*} Under review, to be merged in the official branches in few weeks



Signposting



Signposting is an approach to make the scholarly web more friendly to machines, exposing relations as Typed Links in HTTP Link headers

The following patterns are supported in DSpace-CRIS:

- Author: links to authors ORCID or VIAF records
- Identifier: link to ORCID from DSpace-CRIS researcher pages, link to the Handle/DOI from the landing page or fulltext (PDF, etc.)
- Publication Boundary: links to the actual fulltext from the landing page

https://wiki.duraspace.org/display/DSPACECRIS/Signposting



Thanks for your attention!

Andrea Bollini

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skype: a.bollini

linkedin: andreabollini

orcid: 0000-0002-9029-1854

www.4science.it



Better Together: EPrints Rory McNicholl (CoSector) & Will Fyson (EPrints Services)





ORCID Support Plugins

ORCID integration with EPrints comes in two flavours:

- ORCID Support
 - Non-members framework for ORCID
 - Adds ORCID fields to user profiles and EPrints metadata
 - Provides basic reporting
- ORCID Support Advance
 - Membership API Create and Connect Button
 - Imports and Exports
 - Award-winning plugin with the UK ORCID Consortium





Welcome to The EPrints Bazaar

The Software Portal for the EPrints Community



The software available through the Bazaar has been supplied by the Community and for the Community. The contributions have been made by both established software suppliers and independant individuals alike.



Branding - Jatayu (Free)

Implementation

Latest Additions and Updates Altmetric Auto-generated Subjects Green Spring Theme Grown Tags REF CC REF CC REF Support REF Support RIOXX2

Both the plugins are available from the EPrints Bazaar

ORCID Support (Basic)

- Basic functionality for non-members
- Bespoke ORCID field for validating ORCIDs
- Basic reporting on ORCID uptake
- Feeds through to REF submissions (for UK users)



■ Tools

Fyson, William (D), Coles, Simon and Frey, Jeremy

ORCID: https://orcid.org/0000-0001-6867-453

ORCID Support Advance

- Requires ORCID Membership
- Create or Connect your ORCID iD
- Manage permissions for reading and writing
- Enhanced reporting

Users with an ORCID

10 users

- 0000-0002-4062-8914
- · Retrieve your ORCID id granted
- Create and update details of your research activities granted
- Retrieve details from your ORCID profile restricted to trusted parties only granted

Mr EP Services

- 0000-0001-6867-4536
- · Retrieve your ORCID id granted
- Create and update details of your research activities granted
- · Retrieve details from your ORCID profile restricted to trusted parties only granted

- · 0000-0003-2830-819X
- Retrieve your ORCID id granted
- Create and update details of your research activities granted
 Retrieve details from your ORCID profile restricted to trusted parties only granted

Monica Duke

- · Retrieve your ORCID id granted
- · Create and update details of your research activities granted

[®] Manage ORCID Permissions

ORCID details for ULCC Admin

For more information about connecting to ORCID, click here.

(b) https://orcid.org/0000-0001-7918-6597

The permissions to access your ORCID record that you have granted to LSTM Online Archive via the ORCID system are listed here:

- · Retrieve your ORCID id only
- Create and update details of your research activities (publications, and education or employment) already added to your ORCID record by LSTM
- Retrieve details from your ORCID profile restricted to trusted parties only

These permissions are due to expire on Tue Jun 21 11:11:50 2039 BST.

Please Note: You can remove the granted permissions at any time from within your ORCID account or by changing the selected permissions below and

We will only use these granted permissions as indicated below. To change how we use these conditions please contact Library@lstmed.ac.uk

Select the permissions you would like to grant to the repository below. Once selected, click the 'Create or Connect your ORCID iD' button to update your

✓ Connect to ORCID

Allows LSTM Online Archive to link your ORCID id with your LSTM Online Archive record. This is the minimum permission required and is therefore

Allows LSTM Online Archive to add details of your publications to your ORCID record and update the details of publications which have already been added to your ORCID record by LSTM Online Archive.

Upon allowing this permission, LSTM Online Archive will also attempt to update your employment or education activities. Please see Updating Employment/Education Activities for more information.

Retrieve restricted details from your ORCID profile

Allows LSTM Online Archive to retrieve details from your ORCID profile that are restricted to your trusted parties only



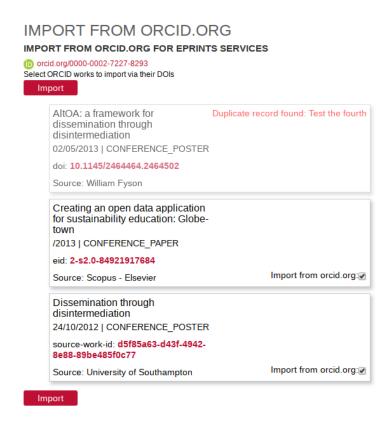
Disconnect from ORCID

 ~15 institutions using the plugin, from here to Australia!

ORCID Support Advance

Import Works

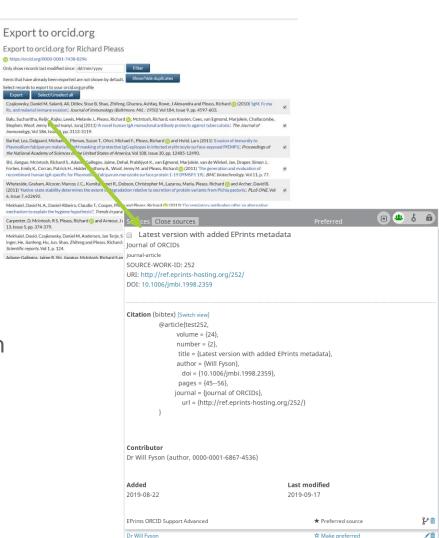
- Displays ORCID works from your orcid.org profile
- Choose which ones to import to your user work area
- Hides works already in the repository to avoid duplicates
- Admins can import on behalf of other users



ORCID Support Advance

Export Works

- Displays EPrints associated with your ORCID
- Choose which ones to export to your orcid.org profile
- Updates works previously exported with new versions
- Admins can export on behalf of other users



Future Work

- Improve import further!
 - Enhancing ORCID import with DOI/BibTeX import for more metadata
- Automatic import/exports
 - Export when records are made live
 - Import on a routine basis
- Remove works from orcid.org previously exported from a repository
- Support external co-author ORCIDs
 - ORCIDs need to be verified we're looking into support verification from sources beyond the repository
- Integration with UK ORCID Consortium COrDA project
 - A community dashboard collating ORCID data