



DSpace 7 ORCID Integration

**17th International Open Repositories
Conference**

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ORCID for users: a unique identifier and fundamental tool



ORCID provides researchers with a **globally unique iD** that can be used throughout their scholarly career.



In an international research environment, your ORCID distinguishes your research output from all other researchers to ensure **consistent and reliable attribution** of your work and **accurate measurement** of your research impact.

ORCID,
repositories
and
PIDs/CRIS: an
incredible
added value

Repository systems integrations with ORCID;

- add visibility to repository content and their authors
- facilitate collaboration and networking
- help organizations with institutional reporting systems and national assessment programs.

Why «so special»?

Repositories are an integral and essential part of the global research infrastructure and rely on a network of systems connected by identifiers, helping the global research community get the best value from this network.



The premises

- DSpace 7 up to 7.2 was only able to query the ORCID registry to lookup for authors
- DSpace-CRIS provides a full bi-directional integration with ORCID able to push & pull data via the member API
- DSpace governance: Steering & Leadership set these new features as a high priority
- 4Science donates what we did for ORCID integration in DSpace-CRIS, community funds are used to (partially) cover adaption and porting of such features



4Science and ORCID



Larger experience in the DSpace ORCID integration



Worked with ORCID API since v1.2



Now based on the ORCID API v3



4Science is a Certified Service Provider for DSpace-CRIS

+
•
◦ Speaking
about
the stage
we're at

- One of the largest contribution to DSpace 7: >20K line of code
- 10 PRs with discussion initiated on 8th February first PR opened on 22nd February
- Hard working on getting all the PRs reviewed and merged in 7.3!

Complete ORCID integration: features checklist

DSpace-CRIS state of-the-art

Use ORCID API v3 ✓	Manage sync preferences ✓	Link ORCID Account ✓	Login via ORCID ✓	Synchronization queue ✓	Push biography data ✓
Push publications ✓	Push projects / funding ✓	Link publications and fundings ✓	Push employments ✓	Push educations ✓	Push qualifications ✓
Search ORCID ✓	Pull biography ✓	Import publications ✓	Discover new publications (WebHook) ✓	Discover revoked authz ✓	

The functionalities we'll import

Use ORCID API v3 ✓	Manage sync preferences ✓	Link ORCID Account ✓	Login via ORCID ✓	Synchronization queue ✓	Push biography data ✓
Push publications ✓	Push projects / funding ✓	Link publications and fundings ✓	Show ORCID badge	Push employments	Push educations
Push qualifications	Search ORCID ✓	Pull biography	Import publications ✓	Discover new publications (WebHook)	Discover revoked authz

Creation of an user profile

The screenshot shows the DSpace 'Update Profile' page. A modal dialog box titled 'Profile tips' is open, providing instructions on how to handle existing profiles. The background page shows the 'Update Profile' section with a 'Researcher Profile' card and a '+ Create new' button.

Profile tips [X]

These are existing profiles that may be related to you. If you recognize yourself in one of these profiles, select it and on the detail page, among the options, choose to claim it. Otherwise you can create a new profile from scratch using the button below.

Person
Luca Giamminonni

None of these are mine **+ Create a new one**

This screenshot shows the 'Update Profile' page with the 'Researcher Profile' section highlighted. It displays the text 'Researcher profile not yet associated' and a '+ Create new' button.

Update Profile

Researcher Profile

Researcher profile not yet associated

+ Create new

Manage profile visibility

Update Profile

Researcher Profile

Researcher profile associated

Status: PUBLIC

+ Create new

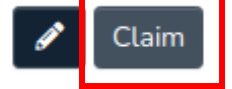
i View

🗑 Delete

Claim an existing profile

[Home](#) • [CRIS](#) • [Person](#) • [Luca Giamminonni](#)

Person:
Luca Giamminonni



[Full item page](#)

Access the ORCID settings


The screenshot shows the DSpace user profile page for Andrea Bollini. The page features a navigation bar with the DSPACE logo and links to Statistics, Communities & Collections, and All of DSpace. A breadcrumb trail indicates the path: Home • CRIS • Person • Bollini, Andrea. The main content area displays the user's name, a profile picture, and contact information. A red box highlights the 'ORCID' button, which is used to access the user's ORCID settings. The page also includes a search bar at the bottom and a 'Full item page' button.

DSpace Statistics Communities & Collections All of DSpace ▾

Home • CRIS • Person • Bollini, Andrea

Person:
Bollini, Andrea

ORCID ✎



Job Title
CTO

Last Name
Bollini

First Name
Andrea

Email Address
andrea.bollini@4science.it

[Full item page](#)

Search the repository ... [Search](#)

Link profile with ORCID

ORCID Authorizations



No ORCID iD associated yet. By clicking on the button below it is possible to link this profile with an ORCID account.

A dark blue button with a white link icon and the text 'Connect to ORCID ID'.

ORCID Authorizations

Granted authorizations

- Get your ORCID iD
- Read your information with visibility set to Trusted Parties
- Add/update your research activities
- Add/update other information about you

Missing authorizations

Great! This box is empty, so you have granted all access rights to use all functions offers by your institution.

A red button with a white disconnect icon and the text 'Disconnect from ORCID'.

ORCID synchronization preferences & queue

ORCID Synchronization settings

Enable 'Manual' Synchronization mode to disable batch synchronization, so you must send your data to ORCID Registry manually

Synchronization mode

Synchronization mode

Manual

Publication preferences

Disabled

All publications

Funding preferences

Disabled

All fundings

Profile preferences

Affiliation

Education

[Update settings](#)

ORCID Registry Queue

Now showing 1 - 5 of 43

		Description		
		What can we learn about the archaeological record combining quantitative analysis and ethnoarchaeology: issues from a work in progress		
		Origin and distribution of Daltonism in Italy		
		COVID-19 vaccine testing in pregnant females is necessary		
		A global survey of potential acceptance of a COVID-19 vaccine		
		Color blindness (daltonism) in the light of genetic studies		

« 1 2 3 4 5 6 7 8 9 »

Import publications from ORCID

Import a publication from an external source

0000-0003-3363-7801

Search Results

Now showing 1 - 2 of 2

-  The History of ORCID
-  Quantum Collisions and Confinement of Atomic and Molecular Species, and Photons: Select Proceedings of the 7th Topical Conference of ISAMP 2018 (Springer Proceedings in Physics)

[← Back to MyDSpace](#)



<https://sandbox.orcid.org/0000-0003-3363-7801>

Is this you? [Sign in to start editing](#)


Printable version


Published Name
Paula's Demo ORCID Record


Name
Paula Demain


Activities

[Collapse all](#)

> Employment (3)  Sort

> Education and qualifications (1)  Sort

> Membership and service (3)  Sort

∨ Works (2)  Sort

Quantum Collisions and Confinement of Atomic and Molecular Species, and Photons: Select Proceedings of the 7th Topical Conference of ISAMP 2018 (Springer Proceedings in Physics)

2019-09 | book
ISBN: [9789811399688](#)

[Show more detail](#)

Source: Paula's Demo ORCID Record

The History of ORCID

preprint
DOI: [10.23640/07243.9252988](#)

[Show more detail](#)

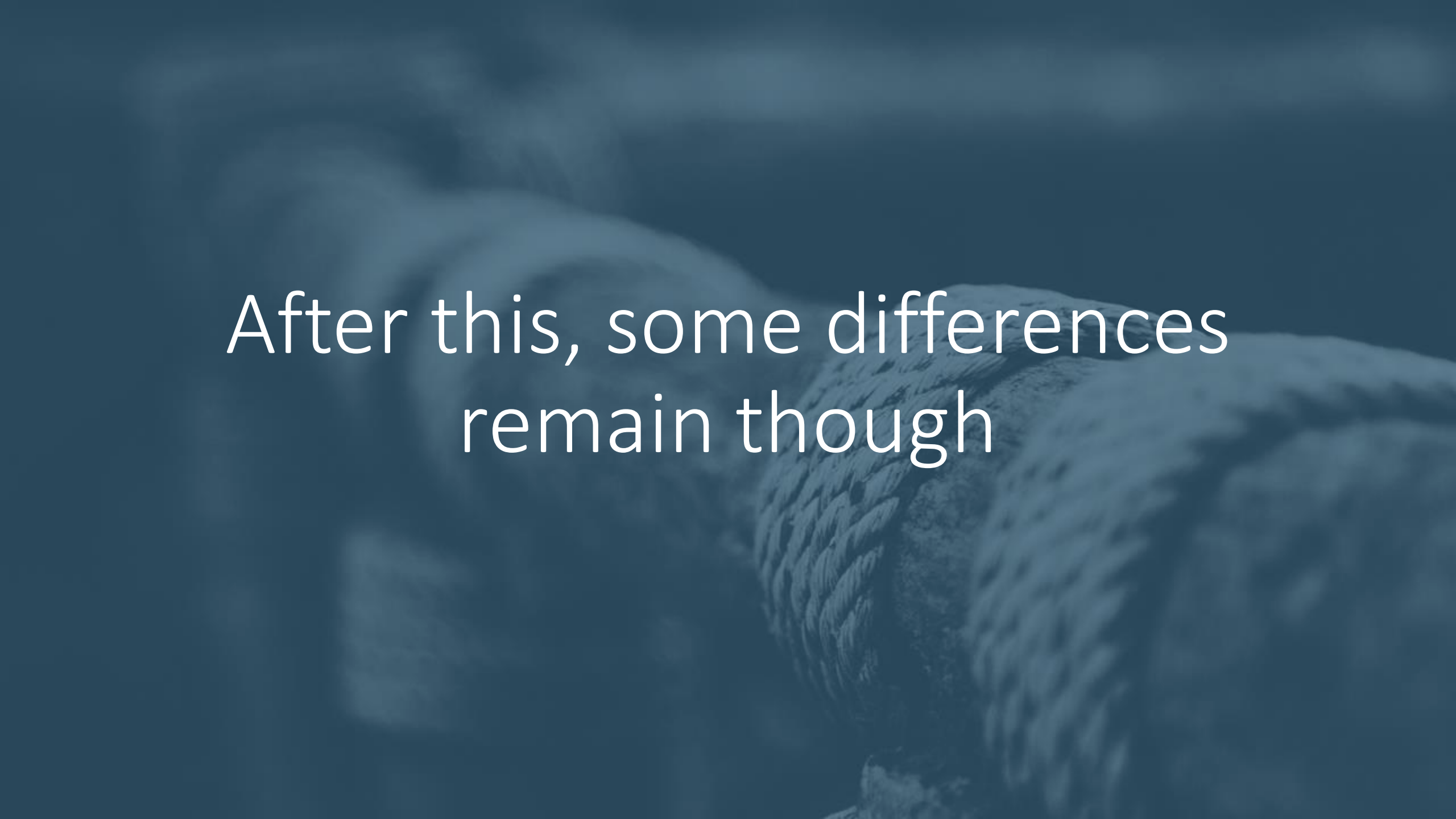
Source: Paula's Demo ORCID Record



Future improvement plans...

...there we are!

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After this, some differences
remain though

A closer look to the differences

These functionalities require
a proper hierarchical
metadata support

Push
employments

Push
educations

Push
qualifications

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See where this integration story goes

with us