

Understanding and using the ORCID Integration in DSpace and DSpace-CRIS



DSpace
<https://dspace.lyrasis.org/>



ORCID
<https://orcid.org>

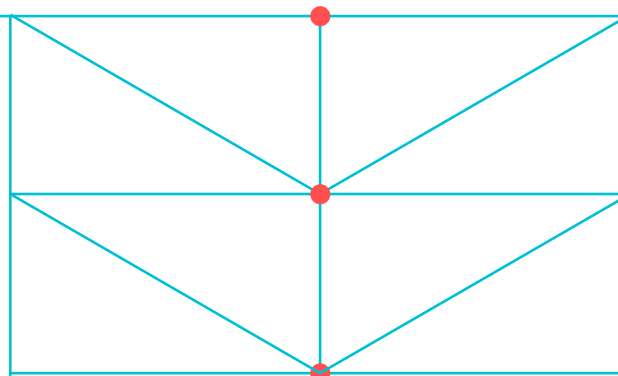


DSpace-CRIS
<https://4science.com/dspace-cris/>

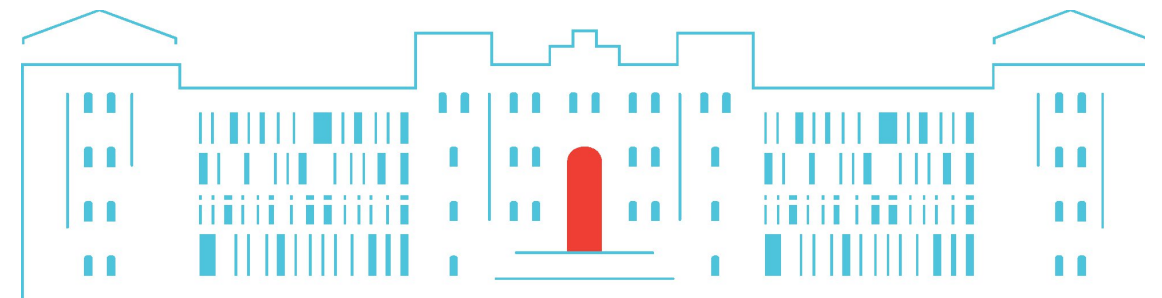


TUHH Open Research (TORE)
<https://tore.tuhh.de>

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Technische
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05.06.2024



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Open Repositories 2024, Gothenburg, 04.-06.06.2024

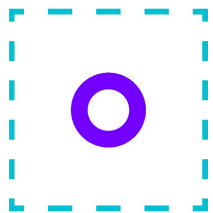
DOI [10.15480/882.9600](https://doi.org/10.15480/882.9600)

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Agenda

- About DSpace and DSpace-CRIS
- Basics about the ORCID integration
- ORCID-Login
- ORCID Synchronisation settings
- Pushing items to ORCID
- Item Display (ORCID Badge)
- What's next



About DSpace

TUHH

- Very popular and widely used repository software
- Over 2.400 known instances all over the world (source: opendoar.org)
- Worldwide community
- Engaged Service Providers like 4Science, Atmire, The Library Code
- Development coordinated by Lyrasis



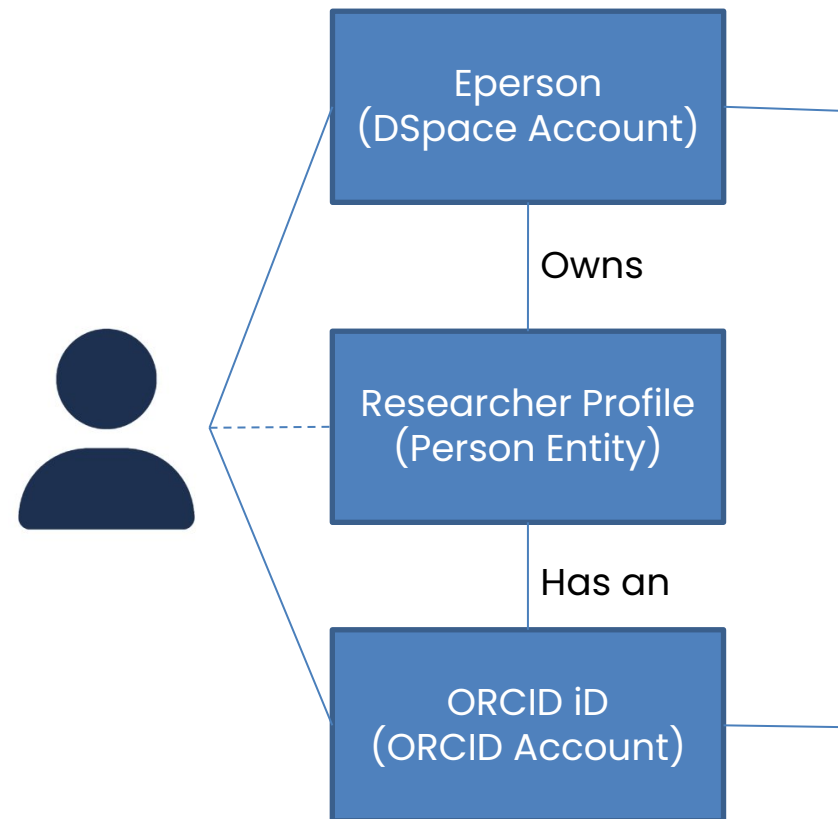
About DSpace-CRIS

- 4Science is a company located in Italy
- Developers of DSpace-CRIS
- DSpace-CRIS is an extension to DSpace, which introduced CRIS capabilities (like entities) to generic DSpace
- DSpace-CRIS contains a full ORCID integration for many years
- Most of the integration components have been ported to DSpace 7.3 by 4Science



Basics about the ORCID integration in DSpace

- In DSpace a user may have an account (eperson)
- Persons (not accounts) may be represented by a researcher profile
- The account may have a researcher profile (is owner of)
- The researcher profile can be connected to an ORCID iD
- Login is using the eperson, not the researcher profile
- Relations to publications are using the researcher profile, not epersons



ORCID Login

Search ? User Profile

- Log in with TUHH Account
- Log in with ORCID**
- Email address
- Password
- Login for Externals

New user? Click here to register.
Have you forgotten your password?

iD

Sign in to ORCID

Don't have your ORCID iD yet? [Register now](#)

Email or ORCID iD

For example: joe@institution.edu or 0000-1234-5678-9101

Password

Sign in to ORCID

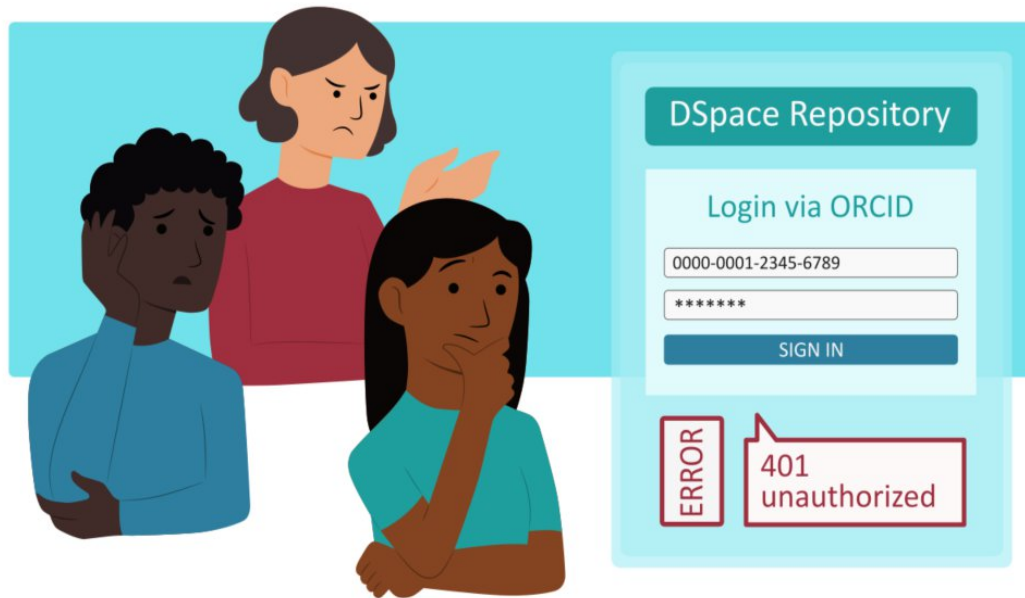
[Forgot your password or ORCID ID?](#)

OR

- Sign in through your institution
- Sign in with Google



Improved ORCID Login



- Subject to a project conducted by TUHH in cooperation with 4Science
- Funded by ORCID Inc. via Global Participation Fund Cycle 1 (01.02.2023–31.01.2024)
- Integrated and implemented in DSpace-CRIS (since 2023.02.00)
- Login can deal with private eMail addresses (on ORCID side)
- Allowing users that doesn't release their email address via ORCID to login
- Avoiding duplication of account if the ORCID email \neq DSpace account email



Improved ORCID Login

The screenshot shows the TUHH Open Research website header with navigation links: COMMUNITIES & COLLECTIONS, PUBLICATIONS, RESEARCH DATA, PEOPLE, INSTITUTIONS, PROJECTS, and STATISTICS. Below the header, the text reads "Information needed to complete the login process". The form contains the following fields:

- ORCID:** 0009-0004-5013-5197
- Last name:** Goldahrens
- First name:** Testing Olli
- Email:** testingolligoldahrens@mailinator.cor

A message box states: "It seems that you have not yet an account in this system. If this is the case, please confirm the data received from ORCID and a new account for you. Otherwise, if you already have an account in the system, please update the email address to match the one already in use in the system or use a different method to associate your ORCID to your existing account."

At the bottom, there are two options: "Confirm or update email" with a text input field containing "testingolligoldahrens@mailinator.cor" and a "Confirm this email" button, and "Connect to an existing user" with a dark blue button.

- If no email address is provided from ORCID (as it's set to private), DSpace-CRIS will ask for the email
- Even if an email is provided, it can be changed on DSpace side if the user wants or needs to do that (confirmation email is sent to that address)
- ORCID login can be bound to an existing user on DSpace side (login on DSpace required, but no special confirmation email)



Researcher Profile



COMMUNITIES & COLLECTIONS PUBLICATIONS RESEARCH DATA PEOPLE INSTITUTIONS PROFILE

HOME > UPDATE ACCOUNT

Update Account

Researcher Profile

Researcher profile associated

Status: **PUBLIC**

View

Delete

Oliver Goldschmidt
o.goldschmidt@tuhh.de

Profile

My TORE

Subscriptions

- An eperson in DSpace may have a researcher Profile associated
- Associated profile will be shown after login under ,Profile'
- Switch to set the profile private or public
- View Button to get directly to researcher profile



ORCID settings page on Researcher Profile Level


Oliver Goldschmidt

Export Statistics Subscribe ...

Options
 Edit all the details
 Edit
 Administer
 Create new version
 Show all metadata (technical view)
 Open ORCID setting page

Feedback

Basic Data Person

Name	Goldschmidt, Oliver
Namensvarianten	Marahrens, Oliver Marahrens, Oliver Christian Goldschmidt, Oliver Christian
Funktion	Mitarbeiter
Institut	Universitätsbibliothek TUB 
Typ	Staff

Contact



DSpace Communities & Collections All of DSpace Statistics

Home • Repositorio Universitario • Autores • Demo Submitter

Person: Demo Submitter

Name
Demo Submitter

Full item page

- DSpace-CRIS: After login the ORCID settings page is available from the `...` menu on the Researcher Profile Page
- DSpace: After login the ORCID settings page is available from the „iD“ button on the Researcher Profile Page
- This option is only visible to the owner of the profile (when the account you logged in matches the owner of the profile)



ORCID Authorizations

Before establishing the connection: ORCID Authorizations



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

Connect to ORCID ID

After establishing the connection: 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.

Disconnect from ORCID



ORCID settings page

ORCID Synchronization settings

Synchronization mode

Please select how you would like synchronization to ORCID to occur. The options include "Manual" (you the system will send your data to ORCID via a scheduled script).

Synchronization mode

Manual

- Choose Synchronisation mode to push items (Automatic | Manual)
- Choose preferences for supported data types to push

Publication preferences

Select whether to send your linked Publication entities to your ORCID record's list of works.

- Disabled
- All publications

Funding preferences


Select whether to send your linked Project entities to your ORCID record's list of funding information.

- Disabled
- All fundings

Profile preferences

Select whether to send your biographical data or personal identifiers to your ORCID record.

- Affiliation
- Education
- Biographical data
- Identifiers
















 Update settings



ORCID Registry Queue (Pushing items)

ORCID Registry Queue

Now showing 6 - 10 of 14

Type	Description	Action
	Prüfung und Erweiterung der technischen Grundlagen des Dokumentenservers OPUS zur Zertifizierung gegenüber der DINI anhand der Installation an der TU Hamburg-Harburg	 
	Projekt DISCUS (Developi	 
	DISCUS (De	 
		 
		 

- Items get listed in this queue once they are created or modified in DSpace
- Items stay in this queue unless they are successfully pushed or deleted manually from the list
- Automatic or manual push is set with the synchronization mode setting



Supported item types to push

TUHH



Publications	X	X	X
Research Data		X	X
Patents		X	
Fundings/Projects	X	X	
Biographical Data	X	X	
Employments		X	
Educations		X	
Qualifications		X	

Item Display (ORCID Badge at person references)

Research Data Open Access

Enhancing 3D reconstruction accuracy of multi-voltage FIB tomography images using multimodal machine learning

(2023-11-09) Sardhara, Trushal ; Shkurmanov, Alexander 
 Li, Yong ; Riedel, Lukas ; Shi, Shan ; Cyron, Christian J. 
 Aydin, Roland ; Ritter, Martin 

This dataset contains simulated multi-voltage FIB tomography data of hierarchical nanoporous gold, trained machine learning model weights and segmentation results of synthetic and real hierarchical nanoporous gold data. For more information, please refer to the published research article: Enhancing 3D reconstruction accuracy of multi-voltage FIB tomography images using multimodal machine learning.

























^ Collapse

Data Type: Dataset

 63  32

Basic Data Research Data

Type
Version
Date Issued
Creator

Dataset
1.0.0
2023-11-09
 Sardhara, Trushal   Kontinuums- und Werkstoffmechanik M-15 
 Shkurmanov, Alexander   Betriebseinheit Elektronenmikroskopie M-26 
 Li, Yong   Werkstoffphysik und -technologie M-22 
 Riedel, Lukas   Werkstoffphysik und -technologie M-22 
 Shi, Shan   Integrated metallic Nanomaterialssystems M-EXK4 
 Cyron, Christian J.   Kontinuums- und Werkstoffmechanik M-15 
 Aydin, Roland   Machine Learning in Virtual Materials Design M-EXK5 
 Ritter, Martin   Betriebseinheit Elektronenmikroskopie M-26 
 English

- Any person with an authenticated ORCID connection will be displayed with the iD badge
- Available in result lists, on item pages etc.



What's next about the ORCID integration?

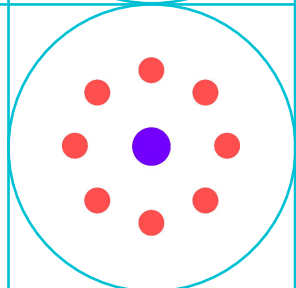
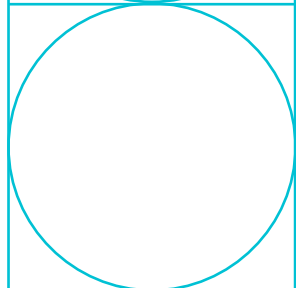
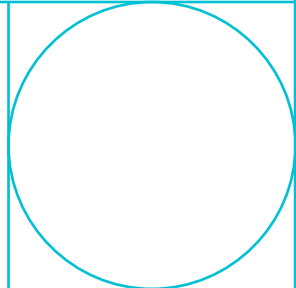
Project to improve ORCID integration in DSpace

- conducted by Lyrisis
- implemented by 4Science
- funded by ORCID Inc. via Global Participation Fund
- will focus on fixing some open tickets in DSpace dealing with ORCID
 - porting improvements in login to DSpace
 - integrate ORCID into DOI registration at DataCite
 - integrate ORCID into OAI-PMH crosswalks

Thank you for your
attention!

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Hamburg