



UNLOCKING THE POWER OF ORCID INTEGRATIONS

31 OCTOBER 2018




Connecting Research
and Researchers

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ORCID.org

The background of the slide is a dark gray with a complex, abstract network of thin white lines and dots, resembling a molecular structure or a data network, which is more prominent on the right side.

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.



TOGETHER, WE CAN MAKE OUR VISION A REALITY!

WHAT IS ORCID?

- Open, not-for-profit organization
 - run by & for the research community
- Provider of unique researcher identifiers: ORCID iDs
 - reliably & clearly connect researchers with contributions & affiliations
- Integration point for ORCID iDs
 - +500 systems integrated: grant applications, manuscript submission, CRIS, repositories, & more!



WHY ORCID?

- Solves the name ambiguity issue
- Connects researchers with their contributions & affiliations
- Provides open tools (API) to enable transparent & trustworthy connections between organizations & researchers
- Researcher control & consent

| ORCID iD | First/given name | Last/family name | Other names |
|---|------------------|------------------|--|
| https://orcid.org/0000-0001-6256-5355 | Volodymyr | Melnyk | |
| https://orcid.org/0000-0002-8488-678X | Volodymyr | Melnyk | |
| https://orcid.org/0000-0003-2313-3220 | Volodymyr | Melnyk | |
| https://orcid.org/0000-0002-4470-4339 | Volodymyr | Melnyk | |
| https://orcid.org/0000-0003-0212-283X | VOLODYMYR | MELNYK | |
| https://orcid.org/0000-0003-2252-940X | Volodymyr | Melnyk | |
| https://orcid.org/0000-0002-7123-1418 | Volodymyr | Melnyk | |
| https://orcid.org/0000-0003-4645-8239 | Volodymyr | Melnyk | |
| https://orcid.org/0000-0002-5972-9301 | Volodymyr | Melnyk | Володимир Мельник, Volodymyr Melnyk |
| https://orcid.org/0000-0003-4788-546X | Volodymyr | Melnyk | |



ORCID BY THE NUMBERS

932 members from 44 countries

+500 member integrations

+5 million active researcher identifiers

+2 million records with connected information

+60 publishers signed open letter

+13 million unique DOIs

Consortia in

- Italy
- Denmark
- Germany
- Portugal
- Belgium
- Netherlands
- UK
- Finland
- Sweden
- Norway
- United States
- Canada
- Brazil
- South Africa
- Taiwan
- Australia
- New Zealand
- Israel



THE ORCID API

ORCID offers several APIs that allow your systems to connect to the ORCID Registry to exchange data:

| API | Features |
|---|--|
| Public API Freely available to anyone | <ul style="list-style-type: none">• Authenticate: Get a user's authenticated ORCID iD• Read (Public): Search/retrieve public data |
| Member API ORCID member organizations (<i>Sandbox test environment freely available to anyone</i>) | <ul style="list-style-type: none">• Read (Limited): Search/retrieve limited-access data• Add: Post new items to a record• Update: Edit or delete items you previously added |
| Premium Member API Premium ORCID member organizations | <ul style="list-style-type: none">• Webhooks: Receive notifications of updates• Customised monthly reports (including email stats)• Access to monthly public data file |



<https://members.orcid.org/api/orcid-api-comparison>

RELIABLE CONNECTIONS

- Control how your organization name is expressed in systems your researchers use
- Include unique organization identifier
- CONNECT authoritative affiliation information to researcher records



IMPROVE DATA QUALITY

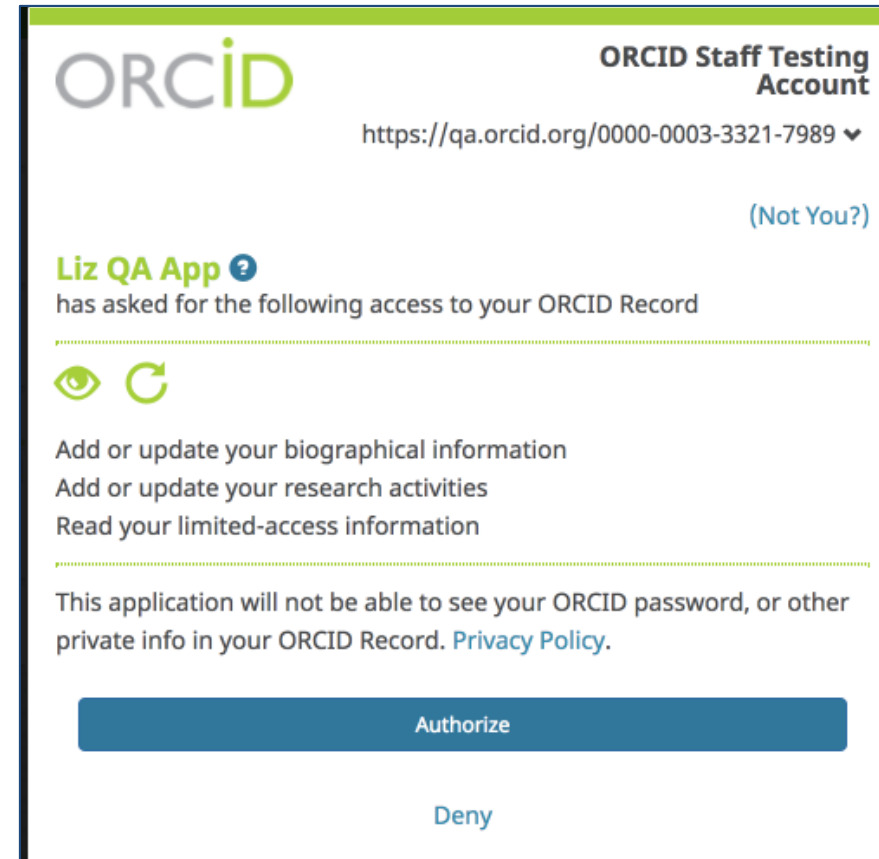


Use data from
ORCID records to
populate forms
and automate
reporting.

Improve data
quality and reduce
reporting burden

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



IMPLEMENT ORCID IN 4 STEPS:

1. PLAN

- Which system(s) would you like to connect to ORCID? Where does ORCID fit within your existing systems & workflows?
- Are you already using any of the [vendor systems that support ORCID?](#)
- What information do you want to obtain from/add to your researchers' records?
- What resources do you need? Who is the right people to involve?
- How to communicate your implementation?



IMPLEMENT ORCID IN 4 STEPS:

2. BUILD

- Check our [technical documentation](#)
- Request [Sandbox](#) / [Production](#) credentials
- Decide how you will use the API and [permissions](#) needed
- [Test & demonstrate your implementation](#)



IMPLEMENT ORCID IN 4 STEPS:

3. COMMUNICATE

- Outreach resources: members.orcid.org/outreach-resources
- ORCID Help: orcid.org/help
- [Video tutorials](#)



Member
Support Center

ORCID Main Site

Research Funders Research Organizations Publishers Resources

ORCID-enabled systems ▾

Outreach resources ▾

Resources

OUTREACH RESOURCES

Contents

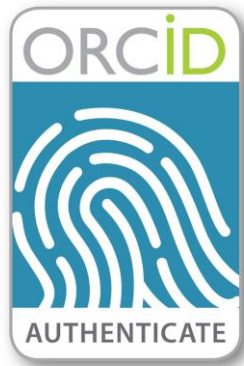
1. Three-phase ORCID communications toolkit
2. Phase 1: Building anticipation
3. Communications tools for phase 1 (anticipation)
4. Phase 2: Engagement with ORCID (action)
5. Communications tools for phase 2 (action)
6. Phase 3: Ongoing ORCID brand recognition, and reinforcing key messages (awareness)
7. Communications tools for phase 3 (awareness)
8. Resources toolkit
9. Other resources you may find useful



IMPLEMENT ORCID IN 4 STEPS:

4. LAUNCH

- Let everybody know! (Newsletter, social media, etc.)
- Obtain your Collect & Connect badges!



Apollo, Cambridge's Institutional Repository – ORCID integration

[10.17863/CAM.31774](https://doi.org/10.17863/CAM.31774)

Dr Agustina Martínez-García
Repository Integrations Manager
Office of Scholarly Communication
am857@cam.ac.uk



'Unlocking the power of ORCID integrations',
31st October 2018

Outline

- Overview of systems at Cambridge
- ORCID integration
- Benefits & Issues
- Next steps

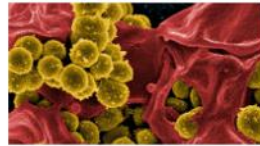
Background: Apollo

Apollo - University of Cambridge Repository

This repository holds the research output of members of the University of Cambridge. It is delivered and managed by the University Library's [Office of Scholarly Communication](#) team.



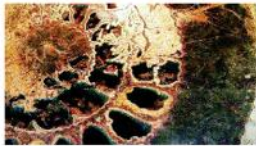
School of Arts and Humanities



School of Clinical Medicine



School of Technology



School of the Biological Sciences



School of the Humanities and Social Sciences



School of the Physical Sciences



Colleges



Other Communities

Share your
research

- Apollo holds the University's research outputs
- Available since 2003
- Runs on the DSpace repository platform (open source)

<https://www.repository.cam.ac.uk>

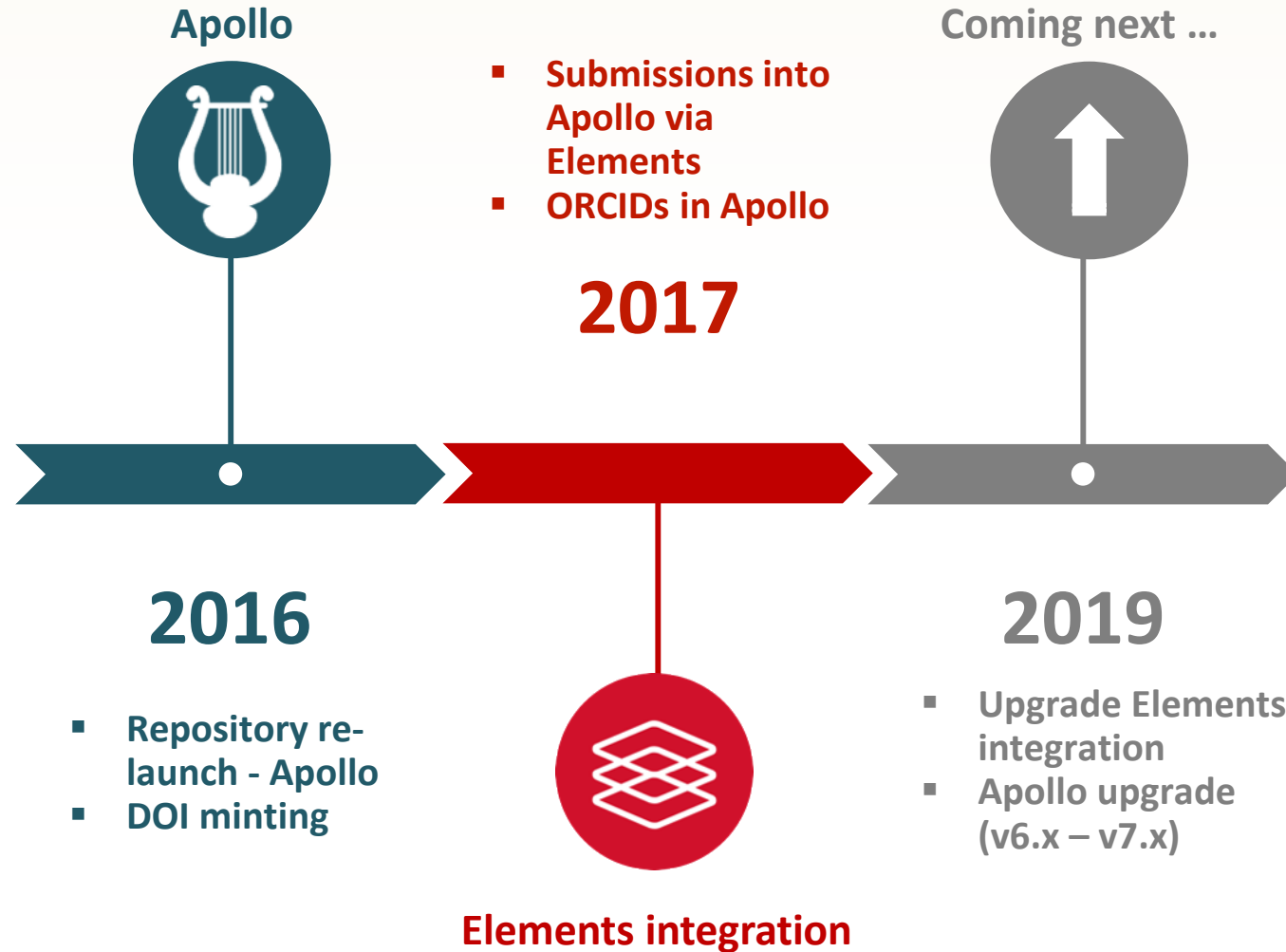
Background: Symplectic Elements

The screenshot displays the 'Elements v5.10' internal system interface. At the top, there's a navigation bar with links: Home, Menu, Research Admin, Module Admin, and System Admin. The University of Cambridge logo is in the top right. The main content area shows a journal article record for 'Circulating concentrations of vitamin D in relation to pancreatic cancer risk in European populations.' by van Duijnhoven FJB, Jenab M, Hveem K, Siersema PD, Fedirko V, Duell EJ, Kampman E, Halfweg A, van Kranen HJ, van den Ouweland JMW. The article is from 'Int J Cancer' 142(6):1189-1201, 15 Mar 2018. Below the article title, there are sections for 'Altmetrics' (showing a score of 2), 'Citation Metrics' (with RCR, Dimensions, EPMC, Scopus, WoS), and 'Journal Rankings' (for 'International Journal of Cancer' with SNIP 1.86 and SJR 2.85). There's also a 'Full text' section with an 'Apollo' repository link and a 'Data sources' section listing 'Dimensions for Universities' and 'Europe PubMed Central'. On the right side, there are 'Actions' (Mark as Favourite, Add to Workspace), 'Reporting Date' (15 Mar 2018), and a 'History' section showing a list of events like 'Removed relationship of type', 'Created OA policy exception', 'Manual source added', and 'Deposit to repository completed'.

- Elements (v5.10)
- Internal system in use since 2010
- Linked data
 - ~ 6K active users
 - ~250K publications
 - ~14K grants
 - ~14K professional activities

<https://elements.admin.cam.ac.uk>

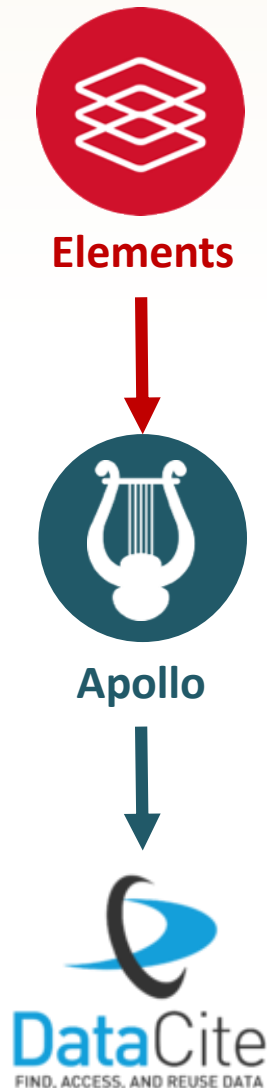
Repository upgrade/integration projects



Populating ORCID records with repository content via DataCite's 'auto-update' feature

- Why this approach?
 - ORCID repository module limitations
 - Using ORCID API v1
 - No write to / read from ORCID registry
 - Simply used to disambiguate author names using ORCID's public API

Integration points



Elements → Repository

- Read from ORCID via API v2
- Via Repository Tools 1 (RT1) connector
- Repository – CRIS metadata crosswalks

Repository → DataCite

- DOI registration module
- Custom DataCite crosswalks
 - Submit nameIdentifiers

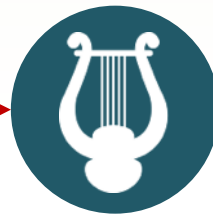
Populating ORCID iDs via DataCite

1. Authors' ORCID iDs

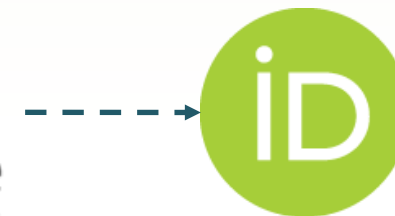
Via the repository feed



Elements



Apollo



3. ORCID iDs


Works pushed by DataCite

2. DOI registration

nameIdentifiers sent to DataCite
i.e. ORCID information



Some examples

 Apollo

Search Apollo

Advanced search

Browse

All of Apollo

- > Communities & Collections
- > Authors
- > Titles
- > Keywords
- > Type


This Collection

- > Authors
- > Titles
- > Keywords
- > Type

My Account

- > My Exports
- > Logout
- > Profile
- > Submissions


Effective strategies for managing your research data (advanced session)



View / Open Files

- Published version (PDF, 10Mb)

Authors

-  Cadwallader, Lauren

Publication Date

2018-09-05

Type

Presentation

Metadata

[Show full item record](#)

Citation

Cadwallader, L. (2018). *Effective strategies for managing your research data (advanced session)* [Presentation file]. <https://www.repository.cam.ac.uk/handle/1810/279682>

Abstract

This course gives a brief recap on RDM and then covers managing personal and sensitive data in the context of the new GDPR legislation, why it is a Good Thing to share your data, and how to do this most effectively in terms of describing your data, deciding where to share it, and using licences to control how your data is used by others. You will even get to write your own Data Management Plan (DMP): these help you manage your data throughout a project and after it has ended and are increasingly required as part of a grant or fellowship application. You will also learn about the range of support services available to you within the University for managing your data.

Keywords

research data management

Identifiers

This record's DOI:
<https://doi.org/10.17863/CAM.27050>

Rights

Attribution 4.0 International

Licence URL:
<http://creativecommons.org/licenses/by/4.0/>

Some examples

5,494,159 ORCID IDs and counting. [See more...](#)

Lauren Cadwallader

ORCID ID

<https://orcid.org/0000-0002-7571-3502>

Print view

> Employment (2)

> Education and qualifications (1)

Works (16 of 16) Sort

Effective strategies for managing your research data (advanced session)

Apollo - University of Cambridge Repository

2018-09-06 | other

DOI: [10.17863/CAM.27050](https://doi.org/10.17863/CAM.27050)

Source: DataCite Preferred source

Building a Research Data Management Training Community

Apollo - University of Cambridge Repository

2018-09-05 | other

DOI: [10.17863/CAM.26517](https://doi.org/10.17863/CAM.26517)

Source: DataCite Preferred source

Research data supporting "Doubts about How the Middle Horizon Collapsed (ca. A.D. 1000) and Other Insights from the Looted Cemeteries of the Lower Ica Valley, South Coast of Peru"

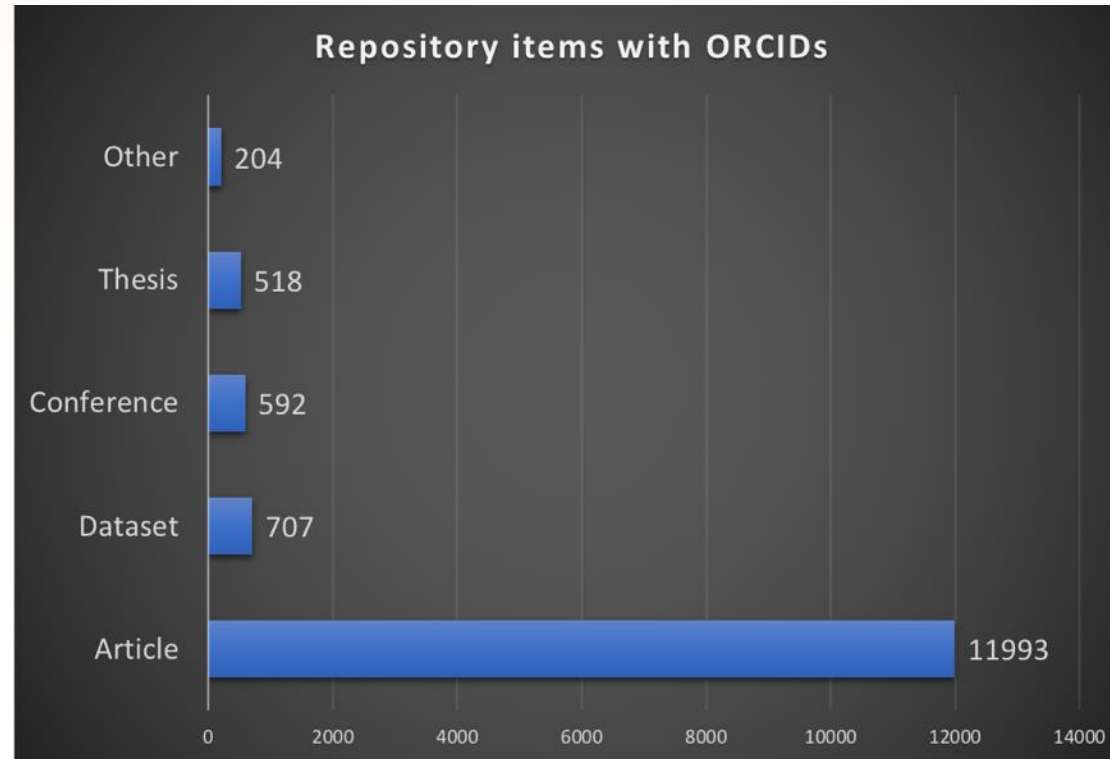
Apollo - University of Cambridge Repository

2018-05-10 | data-set

DOI: [10.17863/CAM.22272](https://doi.org/10.17863/CAM.22272)

Source: DataCite Preferred source

ORCID iDs in Apollo – some numbers



- Top 3 records

[10.17863/CAM.25228](https://doi.org/10.17863/CAM.25228) (444 ORCID*s*)

[10.17863/CAM.27831](https://doi.org/10.17863/CAM.27831) (377 ORCID*s*)

[10.17863/CAM.17973](https://doi.org/10.17863/CAM.17973) (110 ORCID*s*)

Benefits after integration

For researchers

- 'One-stop shop' – interact with a single system
- 'Auto-claim' publications via ORCID

Technical resources

- Soft integration
- Only custom metadata crosswalks required

Enhanced visibility of outputs in Apollo

- Richer publications metadata
- Populated ORCID records

Remaining challenges

- Duplicated entries in ORCID records
 - Publisher DOI versus Repository DOI
 - Potential fix for this: upgrade repository's DataCite crosswalks to correctly use 'alternate identifiers'
- Non-intuitive, multi-step process for researchers
 - Authorise their ORCID in the CRIS system (pull records)
 - Authorise DataCite in ORCID iD (push records)

What we would like to see next

- Full integration in the CRIS system
 - Easier process for granting rights
 - Ability to assert researchers affiliation within the ORCID registry
 - Write to / read from the ORCID registry

Thanks!

The ORCID integration at LMU Munich

Unlocking the power of ORCID integrations

Volker Schallehn
University Library of LMU Munich

LMU Munich



Martin Kraft [CC-BY-SA-3.0]

- Founded in 1472
- 18 Faculties
- > 50.000 Students
- 760 Professors
- 5.400 Academic staff members

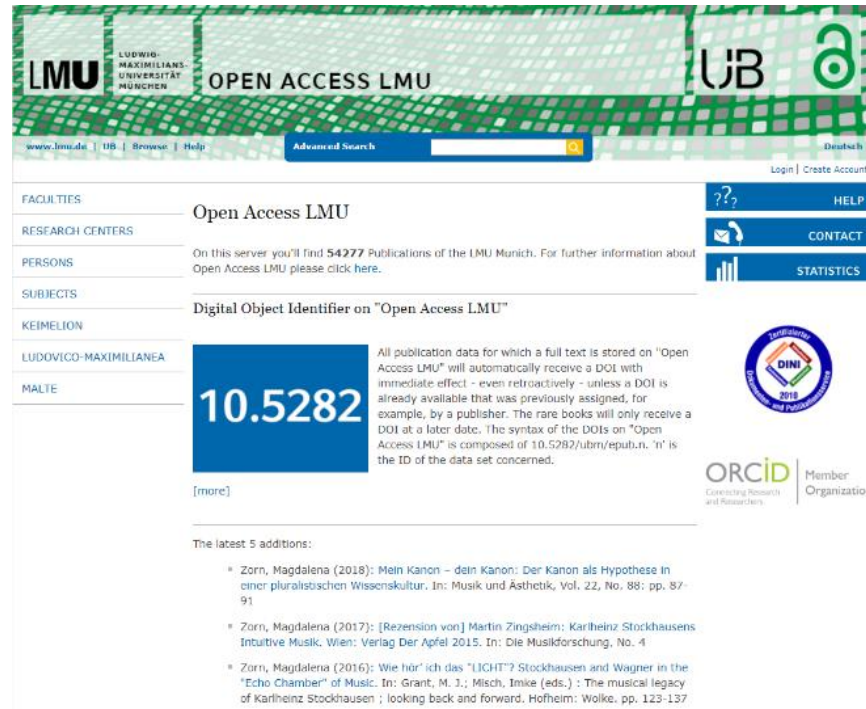
University Library of LMU Munich



- **4 Repositories (EPrints software)**

- **Open Access LMU (<https://epub.ub.uni-muenchen.de/>)**
- Dissertations (<https://edoc.ub.uni-muenchen.de/>)
- Open Data LMU (<https://data.ub.uni-muenchen.de/>)
- Munich Personal RePEc Archive (<https://mpra.ub.uni-muenchen.de/>)

Open Access LMU



LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN OPEN ACCESS LMU UB

www.lmu.de | UB | Browse | Help Advanced Search Deutsch Login | Create Account

Open Access LMU

On this server you'll find **54277** Publications of the LMU Munich. For further information about Open Access LMU please click here.

Digital Object Identifier on "Open Access LMU"

10.5282

All publication data for which a full text is stored on "Open Access LMU" will automatically receive a DOI with immediate effect - even retroactively - unless a DOI is already available that was previously assigned, for example, by a publisher. The rare books will only receive a DOI at a later date. The syntax of the DOIs on "Open Access LMU" is composed of 10.5282/ubm/epub.n, 'n' is the ID of the data set concerned.

HELP CONTACT STATISTICS

DINI

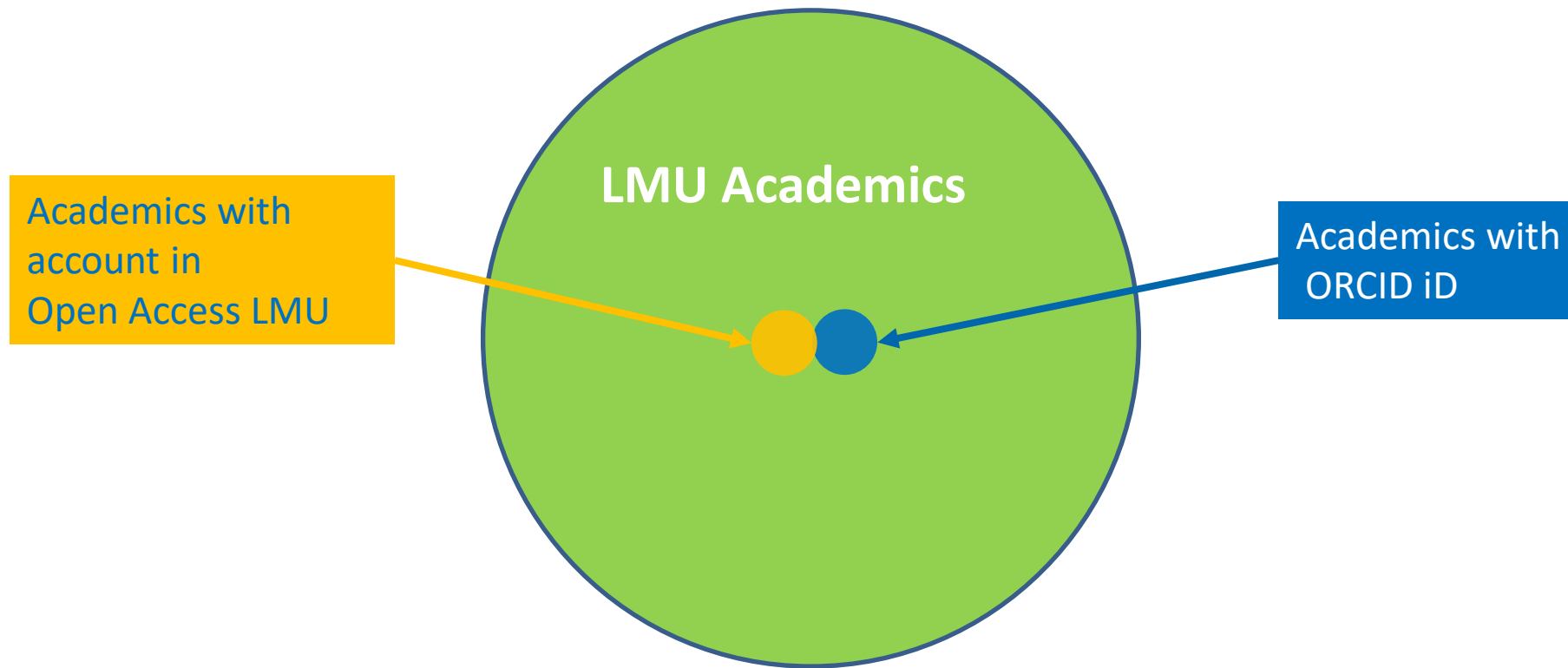
ORCID Member Organization

The latest 5 additions:

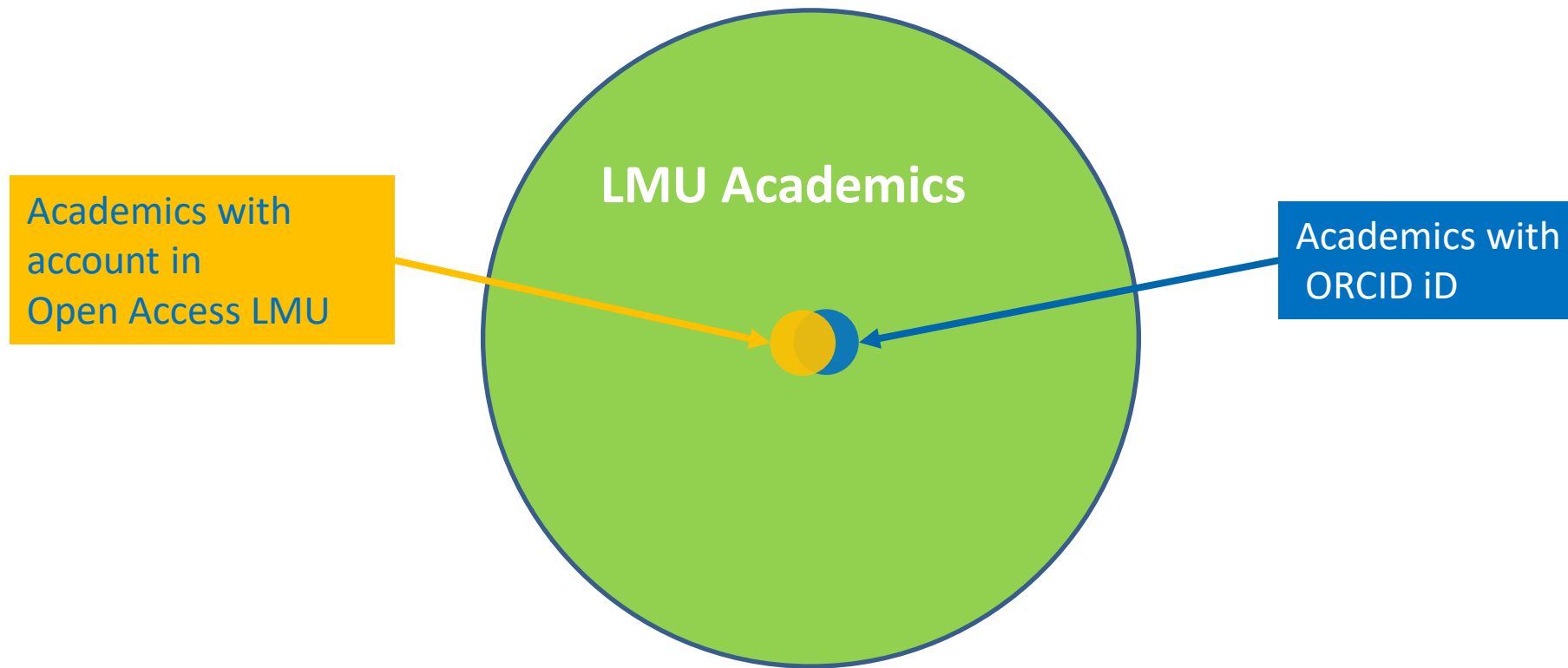
- Zorn, Magdalena (2018): Mein Kanon – dein Kanon: Der Kanon als Hypothese in einer pluralistischen Wissenskultur. In: Musik und Ästhetik, Vol. 22, No. 88: pp. 87-91
- Zorn, Magdalena (2017): [Rezension von] Martin Zingsheim: Karlheinz Stockhausens Intuitive Musik. Wien: Verlag Der Apfel 2015. In: Die Musikforschung, No. 4
- Zorn, Magdalena (2016): Wie hör' ich das "LICHT"? Stockhausen and Wagner in the "Echo Chamber" of Music. In: Grant, M. J.; Misch, Imke (eds.): The musical legacy of Karlheinz Stockhausen ; looking back and forward. Hofheim: Wolke, pp. 123-137

- ~ 25.000 publications with fulltext
- 665 registered users from LMU Munich
- 600 academics from LMU Munich with ORCID iD
- **15 academics with ORCID iD also have an account at Open Access LMU**

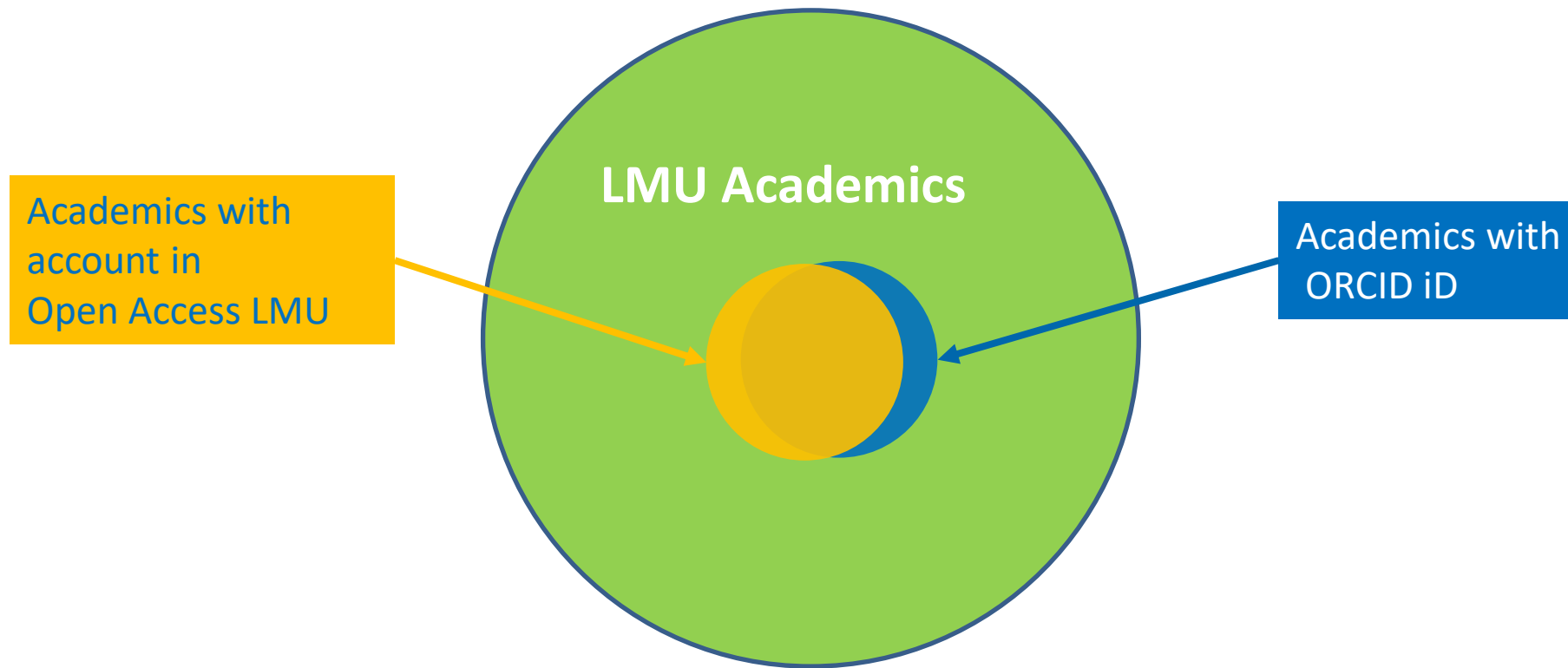
Status quo at completion of implementation



Next stage I



Next stage II







Communication for ORCID iD @ LMU

- Mailing to all academics with ORCID iD
 - Advantages of having the publication list at „Open Access LMU“
- Mailing to all academics with Open-Access-LMU-Account, but with no ORCID iD
 - Advantages of having an ORCID iD
- Mailing to all other academics at LMU Munich (faculty by faculty)



- EPrints: <http://www.eprints.org/>
- Two ORCID Pugins for EPrints software
 - 1) Designed by Peter West: <https://github.com/eprintsug/orcidt2>
 - 2) Designed by EPrints Services:
 - https://github.com/eprints/orcid_support
 - https://github.com/eprints/orcid_support_advance
- Open Access LMU uses 2)

OPEN ACCESS LMU

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[Advanced Search](#)

[Deutsch](#)

[Manage deposits](#) | [Logged in as Volker Schallehn](#) | [ORCID Permissions](#) | [Manage records](#) | [Profile](#) | [Manage shelves](#) | [Saved searches](#) | [Review](#) | [Reports](#) | [Admin](#) | [Edit page phrases](#) | [Logout](#)

[FACULTIES](#)

[RESEARCH CENTERS](#)

[PERSONS](#)

[SUBJECTS](#)


[KEIMELION](#)

[LUDOVICO-MAXIMILIANEA](#)

[MALTE](#)

ORCID details for Volker Schallehn

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

 [orcid.org/0000-0001-6228-1344](#)

The permissions to access your ORCID record that you have granted to Open Access LMU 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 Open Access LMU
- Retrieve details from your ORCID profile restricted to trusted parties only

These permissions are due to expire on Sun Oct 17 09:43:21 2038 CEST.

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

We will only use these granted permissions as indicated below. To change how we use these conditions please contact open-access@ub.uni-muenchen.de


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 permissions.

☒ **Connect to ORCID**
Allows Open Access LMU to link your ORCID id with your Open Access LMU record. This is the minimum permission required and is therefore uneditable

☒ **Create and update activities on your ORCID record**
Allows Open Access LMU 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 Open Access LMU.

Upon allowing this permission, Open Access LMU 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 Open Access LMU to retrieve details from your ORCID profile that are restricted to your trusted parties only

 [Create or Connect your ORCID ID](#)

[Disconnect from ORCID](#)

eprints@ Open Access LMU

www.eprints.org

The screenshot shows the Open Access LMU eprints website. The header features the LMU logo (LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN), the text "OPEN ACCESS LMU", and the UB logo. Below the header is a navigation bar with links: www.lmu.de, [UB](#), [Browse](#), [Help](#), [Advanced Search](#) (with a search input field), and [Deutsch](#). A user is logged in as Volker Schallehn, with links to [Manage deposits](#), [ORCID Permissions](#), [Manage records](#), [Profile](#), [Manage shelves](#), [Saved searches](#), [Review](#), [Admin](#), [Reports](#), [Edit page phrases](#), and [Logout](#). The main content area has a left sidebar with links: [FACULTIES](#), [RESEARCH CENTERS](#), [PERSONS](#), [SUBJECTS](#), [KEIMELION](#), [LUDOVICO-MAXIMILIANEA](#), and [MALTE](#). The main content area displays an "ORCID Dashboard" with the following items:

- ORCID Dashboard
 - All users with and without ORCIDs
 - orcid.org Name Mismatch
 - Creators with ORCIDs
 - Users with ORCIDs

The screenshot shows the eprints@ Open Access LMU website. The header features the LMU logo (LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN), the text 'OPEN ACCESS LMU', and the UB logo. Below the header is a navigation bar with links: www.lmu.de, [UB](#), [Browse](#), [Help](#), [Advanced Search](#) (with a search input field), and [Deutsch](#). A user is logged in as Volker Schallehn, with links for [Manage deposits](#), [ORCID Permissions](#), [Manage records](#), [Manage shelves](#), [Profile](#), [Saved searches](#), [Review](#), [Admin](#), [Reports](#), [Edit page phrases](#), and [Logout](#).

On the left, a sidebar lists categories: FACULTIES, RESEARCH CENTERS, PERSONS, SUBJECTS, KEIMELION, LUDOVICO-MAXIMILIANEA, and MALTE.

The main content area is titled 'Export to orcid.org for Volker Schallehn'. It shows the user's ORCID ID: orcid.org/0000-0001-6228-1344. Below this, it says 'Select records to export to your orcid.org profile'. There are two buttons: 'Export' and 'Select/Unselect all'.

A list of records is shown, with one record selected (indicated by a checkmark in a box):

| Record | Action |
|---|-------------------------------------|
| Schallehn, Volker (2016): Bibliotheken als Open-Access-Publikationsdienstleister. Ende der klassischen Arbeitsteilung: Das Verhältnis zwischen Wissenschaft, Verlagen und Bibliotheken ändert sich gerade. In: Akademie aktuell. Zeitschrift der bayerischen Akademie der Wissenschaften, Vol. 56, No. 1: pp. 59-61 [PDF, 1MB] | <input checked="" type="checkbox"/> |

Below the record, there is an 'Export' button.

Ressources for ORCID @ LMU Munich

- Conceptual design and technical implementation (5% of 1 FTE)
- Ongoing Communication and individual support (5% of 2 FTE)
- 7 months from getting the credentials of the sandbox account until finishing the technical implementation

Lessons learned

1. You can expect the implementation to take longer than planned
2. Besides the technical implementation, communication is the most important point
3. You must ensure that the required personnel resources are available

Thank you very much for your attention!

Volker Schallehn

University Library of LMU Munich

Departement of Electronic Publishing

+49-89-2180-2144

volker.schallehn@ub.uni-muenchen.de