



Research Organization Registry (ROR): Nutzen und Vorteile einer offenen Organisations-ID

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<https://doi.org/10.5281/zenodo.5205473>





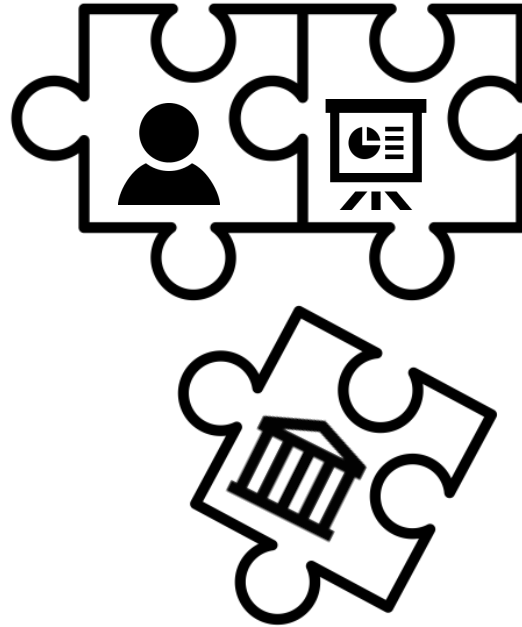
Herzlich Willkommen
Wie gut kennen Sie ROR?



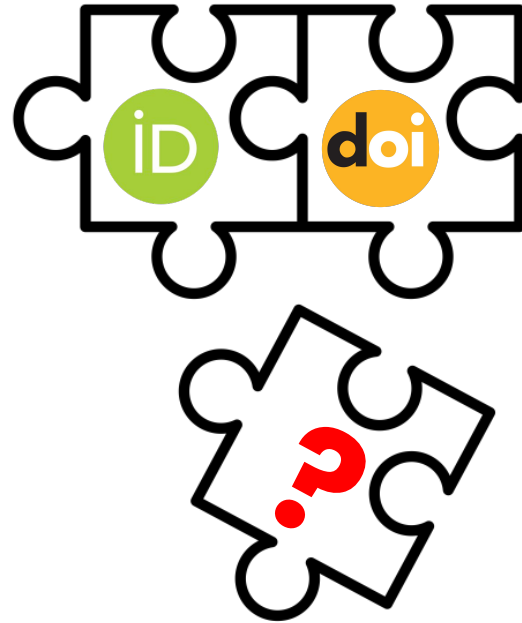
Agenda

1. Was ist ROR?
2. ROR in Deutschland
3. GRID-ROR-Übergang 
4. ROR-Kurations-Updates 
5. ROR-Support 
6. ROR in Crossref 

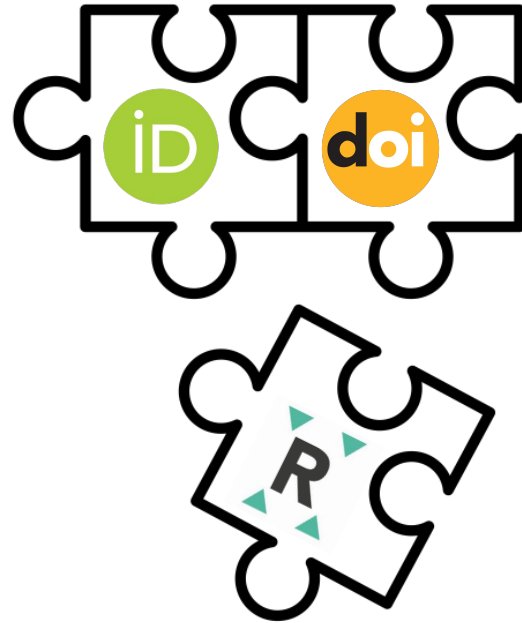
Das #PublicationsProzessPuzzle



Das Problem



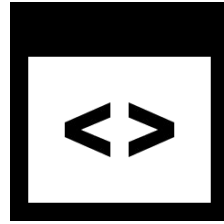
Die Lösung



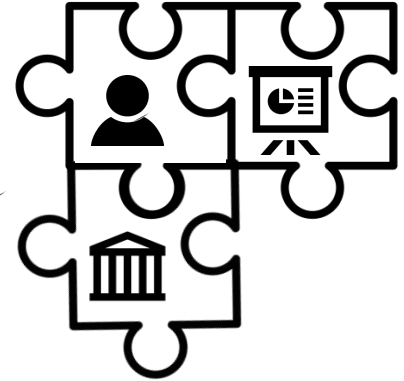
Das Ziel



ROR IDs für
institutionelle
Affiliation
sammeln



ROR IDs in wissenschaftliche
informationsInfrastrukturen
& Metadaten integrieren



Das Puzzle
vervollständigen

Das Research Organization Registry – ROR

- Ist ein **offenes (CC0) und nicht-kommerzielles Verzeichnis** von Organisations-IDs & Metadaten
- Ist fokussiert auf **Affiliationen** (d. h. Angabe der Institutionszugehörigkeit)
- Soll Forschungsergebnisse und Forschungsorganisationen verknüpfen
- Ist eine **Community-getriebene** Initiative

Aktuelles Service Model

- Verzeichnis von Organisations-IDs und Metadaten
- Offene Tools zur Nutzung des Verzeichnisses
 - API (Suche, Retrieval, Affiliation-Matching)
 - Website
 - Datendump (vierteljährlich)
 - Reconciler

Aktuelle Struktur

- ROR ist **keine Organisation** – es ist eine **Multi-Organisations-Kollaboration**
 - Operative Partnerorganisationen + Steuerungsgruppe
 - ROR-Mitarbeiterinnen sowie Personal aus den operativen Partnerorganisationen
- **Community-Arbeit** über “advisory groups”
 - Allgemeine “community group” – offen für alle
 - “Adoption group” – für Implementierungswillige
 - “Curation group” – Beratung zu Kurationsfragen

ROR Betriebsmodell

- Frühe Community-Arbeit und breite Akzeptanz
- Während der Start-up-Phase (2019-2022) setzen sich die Mittel von ROR aus Eigenmitteln der Partnerorganisationen, Projekt-Fördermittel und Community-Funding zusammen
- Optionale kostenpflichtige Service-Ebene ab 2022 (Verzeichnis-Metadaten werden immer offen und frei verfügbar sein)

ROR-Supporter in Deutschland

“We are research organizations, librarians, platform providers, metadata services, publishers, funders, and more. We support the ROR identifier and its future and we pledge to adopt and use ROR in our applications, tools, workflows, and communications.”

Bielefeld University

DataCite e.V.

Helmholtz Open Science Office

Karlsruhe Institute of Technology

PANGAEA

Saarland University and State Library

Technische Informationsbibliothek (TIB)

Universität Konstanz

Universitätsbibliothek der

Ludwig-Maximilians-Universität München

<https://tinyurl.com/ror-supporters>

Umfrage zum Bedarf und Nutzung von Organisations-IDs an Hochschulen und außeruniversitären Forschungseinrichtungen in Deutschland

Granularität

- ROR Affiliation-Usecase
- ROR Department Extension Group arbeitet an **Lösungen für Hierarchien**
Mitwirkende gesucht,
E-Mail an:
[Vessela Y Ensberg](#)



GRID-ROR- Übergang

ROR und GRID: Historischer Hintergrund

- Die Global Research Identifier Database wurde 2015 für Digital Science erstellt und die GRID-Daten wurden ebenfalls öffentlich zugänglich gemacht.
- Der seit langem bestehende Bedarf an offenen, von der Gemeinschaft betriebenen Identifikatoren für Organisationen führte zur ersten Planung für den Aufbau von ROR (2016–2018)
- ROR wurde 2019 mit GRID-Startdaten gestartet; Digital Science als Teil der ROR-Steuerungsgruppe
- ROR hat GRID-Updates synchronisiert und ROR-Updates über GRID koordiniert, während eine unabhängige Infrastruktur zur Unterstützung der Kuration aufgebaut wurde
- Plan: ROR als "Community Registry of Record".

GRID-ROR-Übergang: Was wir wissen

- GRID wird die **Bereitstellung der öffentlichen Daten ab Q4 2021 einstellen** und **keine Anfragen** aus der Community mehr entgegennehmen.
- **ROR wird weiterhin Rückmeldungen** der Gemeinschaft zu Ergänzungen/Änderungen von Datensätzen **erhalten**.
- ROR wird **eigene und unabhängige Verzeichnis-Updates** vornehmen
- ROR wird weiterhin mit der Community zusammenarbeiten, um das **Mapping von GRID zu ROR** zu unterstützen

GRID-ROR-Übergang: Was wir wissen

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GRID-ROR-Übergang: Was noch geklärt wird

- Langfristige Zukunft der öffentlichen GRID-IDs
- Genaues Datum der ersten unabhängigen Aktualisierung des ROR-Registers
- Letzte Synchronisierung von GRID und ROR
- Weitere Infos im [PID Forum](#), [ROR-Support](#) und [DINI-Blog](#)

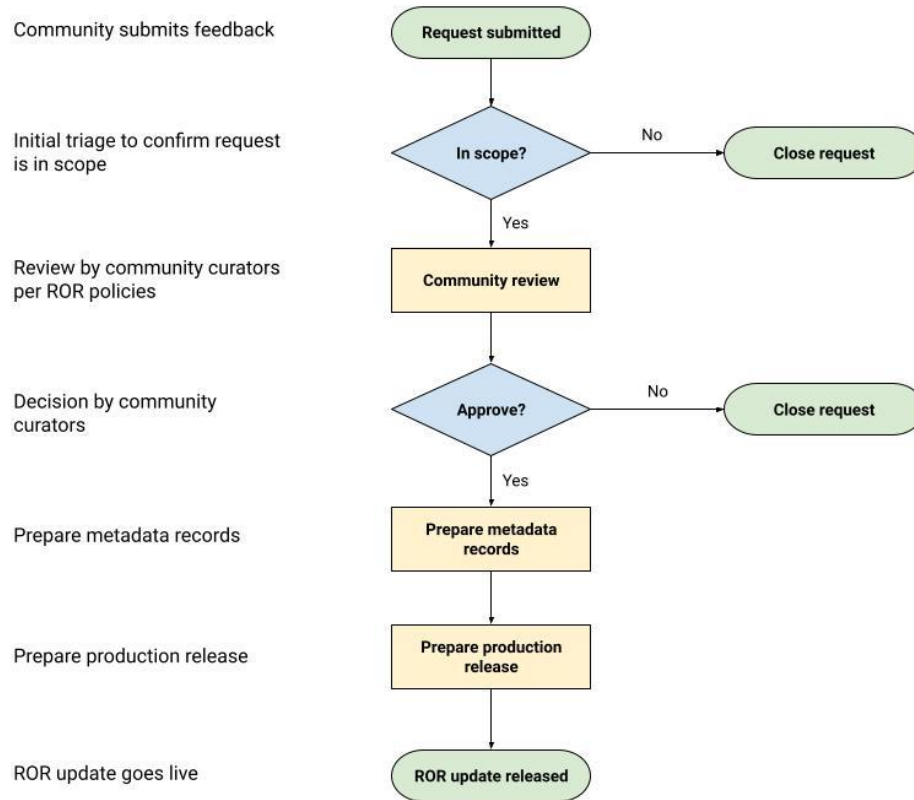


ROR-Kurations- Updates

ROR-Kuration: Aktueller Stand

- ♥ Feedbackformular für Ergänzungen und Aktualisierungen
- ♥ Board of Community Curation Advisors
- ♥ Zentrale Verarbeitung von Anfragen (GitHub)
- Dokumentation der Kuratierungsrichtlinien und -prozesse
- Dokumentation des ROR-Metadatenschemas
- Erstellung und Validierung von Metadaten
- Erstes unabhängiges Release

Kurations-Workflow



Derzeitiges Curation Board (weitere sind willkommen!)

- **Mike Conlon**, University of Florida / VIVO
- **Adrian Ho**, University of Kentucky Libraries
- **Nick Lundvick**, Argonne National Laboratory
- **Carly Robinson**, OSTI/DOE
- **Arthur Smith**, American Physical Society
- **Martin Spenger**, LMU Munich
- **Kelly Stathis**, Canadian Association of Research Libraries
- **Niklas Zimmer**, University of Cape Town

ROR-Updates in GitHub

Criteria for inclusion in ROR

ROR is a registry of top-level research organization affiliations. To be included in the registry, an

1. A **top-level entity**, meaning that it is:

- A standalone organization
- Sufficiently independent from other organizations it might be related to
- Not a subdivision within an organization

2. A **research organization**, meaning that it is involved in one or more of the following activities:

- Produces research
- Funds research
- Employs researchers
- Facilitates research
- Manages research
- Publishes research
- Educates researchers

3. Is or will be **used as an affiliation** in published research outputs

Requesting changes to ROR

Changes can be proposed by anyone via a [feedback form](#).

Rules for specific metadata elements

For a full list of metadata elements, see the schema documentation (links forthcoming).

* indicates a value is required

name *

The official name of the organization used for affiliation purposes (this may be different than the organization's legal name).

Only one name can be included in the primary name field. ROR metadata includes additional fields (`alias` , `labels` , `acronym`) for other versions of an organization's name so that these versions of the name can also be represented in the metadata record and so that the organization can be discoverable in the registry no matter which version of a name is input by a user in searches and API queries.

The primary name field defaults to English when an English version of an organization's name is available.

ROR metadata can support multiple languages and character sets. However, the primary name field uses Latin (Roman) characters only.

The primary data source for the organization name and formatting thereof is the organization's website.

alias and labels

Alias is used for one or more alternate forms of the organization name that may be used for affiliation purposes but are not considered the primary name according to official organization policy and/or for the purposes of ROR metadata handling. This field may include both current and historical name variants. ROR does not currently identify which aliases are current versus historical (this is something to address in future iterations of the ROR schema).

ROR-Updates in GitHub

Search or jump to... Pull requests Issues Marketplace Explore

ror-community / ror-updates

Code Issues 232 Pull requests Discussions Actions Projects 1 Wiki Security Insights

ROR Updates Updated 3 days ago

Filter cards Fullscreen Menu

22: To do (ready for review)

- Issues here are ready for curators to start reviewing at any time.
- Curator instructions:
 - Choose any issue that is not assigned to someone else.
 - Assign the issue to yourself so others know you are working on it.
 - When you are done reviewing, add a comment with your recommendation, unassign yourself, and move it to the next column based on your decision.

Added by mariagould

Project: Peruvian Institutions #233 opened by mariagould **Project**

Add a new organization to ROR: Maison des Sciences de l'Homme Mondes #209 opened by mariagould **level 1** **link** **new record** **org-requested**

Add a new organization to ROR: Digitalisation Centre of Western Australia #211 opened by mariagould **level 1** **link** **new record** **org-requested**

Add a new organization to ROR: Disabled Women in Africa #213 opened by mariagould **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: National and University Library in Zagreb #214 opened by mariagould **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: Polyneme LLC #217 opened by mariagould **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: Instituto Superior Tecnológico Bolivariano de Tecnología #220 opened by mariagould

5: Second review

- Issues here are undergoing a secondary review (on jaquar issues, or anything you want another consult on!)
- Curator instructions:
 - Choose any issue that is not assigned to someone else.
 - Assign the issue to yourself so others know you are working on it.
 - When you are done reviewing, add a comment with your recommendation, unassign yourself, and move it to the next column based on your decision.

Added by mariagould

Add a new organization to ROR: International Platform on Mental Health #212 opened by mariagould **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: Long Term Ecological Research Network #117 opened by mariagould **level 1** **link** **new record** **org-requested**

Add a new organization to ROR: Colcecia #221 opened by mariagould **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: Asociação Panamela para el Avance de la Ciencia #203 opened by mariagould **jaquar** **level 1** **new record** **org-requested**

1: Ready for sign-off

- Issues here are ready for final sign-off by curator lead

Added by mariagould

8: Needs discussion

- Issues here require further team discussion and potential consultation with requestors

Added by mariagould

Add a new organization to ROR: Institute of Nanoscience and Materials of Argan #195 opened by mariagould **level 1** **link** **new record**

Modify the information in an existing ROR record: Aragón Materials Science Institute (https://ror.org/031n2c920) #93 opened by arthursmith **level 2** **link** **update record**

Add a new organization to ROR: NEP - Threatened Species Recovery Hub #50 opened by mariagould **jaquar** **level 1** **new record**

Add a new organization to ROR: Phenomics Australia #51 opened by mariagould **level 1** **link** **new record**

Add a new organization to ROR: Population Health Research Network #32 opened by mariagould **jaquar** **level 1** **new record**

Add a new organization to ROR: Research Centre for Open Scholarly Metadata #63 opened by mariagould **level 1** **link** **new record**

Add a new organization to ROR: National Institute for the Defense of Competition and the Protection of Intellectual Property #253 opened by mariagould **level 1** **link** **new record**

135: Approved (ready for metadata prep)

- Requests here are approved and ready for metadata prep

Added by mariagould

Add record: T'Sou-ke First Nation #1 opened by mariagould **jaquar** **level 1** **new record**

Add a new organization to ROR: Inter-University Consortium for Political and Social Research (ICPSR) #90 opened by mariagould **jaquar** **level 1** **new record**

Add a new organization to ROR: New Digital Research Infrastructure Organization #36 opened by mariagould **level 1** **link** **new record**

Add a new organization to ROR: Center for Scientific Collaboration and Community Engagement #62 opened by mariagould **jaquar** **level 1** **new record**

Add record: Flathead National Forest #9 opened by mariagould **level 2** **link** **new record**

Update Lesia Ukrainka Eastern European National University https://ror.org/02zjp8848 #3 opened by mariagould **level 2** **link** **update record**

Modify US Forest Service (https://ror.org/04h3h5b09) #100 opened by mariagould **level 3** **link** **org-requested** **update record**

Modify Pacific Northwest Research Station (https://ror.org/0242y8b89) #111 opened by mariagould **level 3** **link** **org-requested** **update record**

Modify Rocky Mountain Research Station (https://ror.org/04347c0f0)

1: Ready for production release

- Metadata files are ready to be deployed on production

Added by mariagould

1: Done (released on production)

- These updates have been released on ROR production

Added by mariagould

21: Hold for later

- These requests will be reviewed and processed later

Added by mariagould

Project: Clusters of Excellence #232 opened by mariagould **Project**

Add a new organization to ROR: Continental Scientific Drilling Facility #181 opened by mariagould **hold for later** **level 1** **link** **new record**

Add a new organization to ROR: Association for Science #170 opened by mariagould **hold for later** **jaquar** **level 1** **new record** **org-requested**

Batch QA: Malformed ISNI #6 opened by mariagould **hold for later** **Project**

Update Woods Hole Oceanographic Institute https://ror.org/032bvt98 #11 opened by mariagould **needs discussion** **update record**

Update Ecole des Ponts ParisTech https://ror.org/02nrvw007 #5 opened by mariagould **hold for later** **needs discussion** **update record**

Investigate record: https://ror.org/0b2aa17 #7 opened by mariagould **hold for later**

Merge Open Geospatial Consortium records (https://ror.org/00fdxw93 and https://ror.org/0dnz0j1s) #143 opened by mariagould **hold for later** **merge records**

Redirect Instituto Superior de Contabilidade e Administracao do Porto (https://ror.org/0wg3s094

12: Declined requests

- These requests have not been approved because the requested changes (1) are out of scope, (2) duplicate an existing request, or (3) duplicate information already in ROR

Added by mariagould

Add a new organization to ROR: MatchOffice #225 opened by mariagould **jaquar** **level 1** **new record** **out of scope**

Add a new organization to ROR: NSF NOIRLab #76 opened by mariagould **already in ror** **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: I. CederSIS #119 opened by mariagould **level 1** **link** **new record** **org-requested** **out of scope**

Add a new organization to ROR: Mental Asylum of Education #187 opened by mariagould **jaquar** **level 1** **new record** **org-requested** **out of scope**

Add a new organization to ROR: Brandon Capital Partners #84 opened by mariagould **level 1** **link** **new record** **out of scope**

Add a new organization to ROR: RIR MEDIA #58 opened by mariagould **level 1** **link** **new record** **out of scope**

Add a new organization to ROR: Invisium #218 opened by mariagould **jaquar** **level 1** **new record** **out of scope**

Merge Open Geospatial Consortium records (https://ror.org/00fdxw93 and https://ror.org/0dnz0j1s) #143 opened by mariagould **hold for later** **merge records**

Redirect Instituto Superior de Contabilidade e Administracao do Porto (https://ror.org/0wg3s094

24: GRID40

- These requests have been duplicated in GRID release 40 (June 2023). They will be incorporated into ROR upon the final sync of the two registries

Added by mariagould

Add a new organization to ROR: Corporación Universitaria Comfacauca - Unicomfacauca #223 opened by mariagould **grid40** **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: Institut de recherches envers la Culture (IREC) #153 opened by mariagould **grid40** **level 1** **link** **new record** **org-requested**

Add a new organization to ROR: Corporación Universitaria Comfacauca - Unicomfacauca #190 opened by mariagould **grid40** **jaquar** **level 1** **new record** **org-requested**

Add a new organization to ROR: Мукачевський державний університет #189 opened by mariagould **grid40** **level 1** **new record** **org-requested**

Add a new organization to ROR: Cyber-Complex Foundation #178 opened by mariagould **grid40** **jaquar** **level 1** **new record** **org-requested**

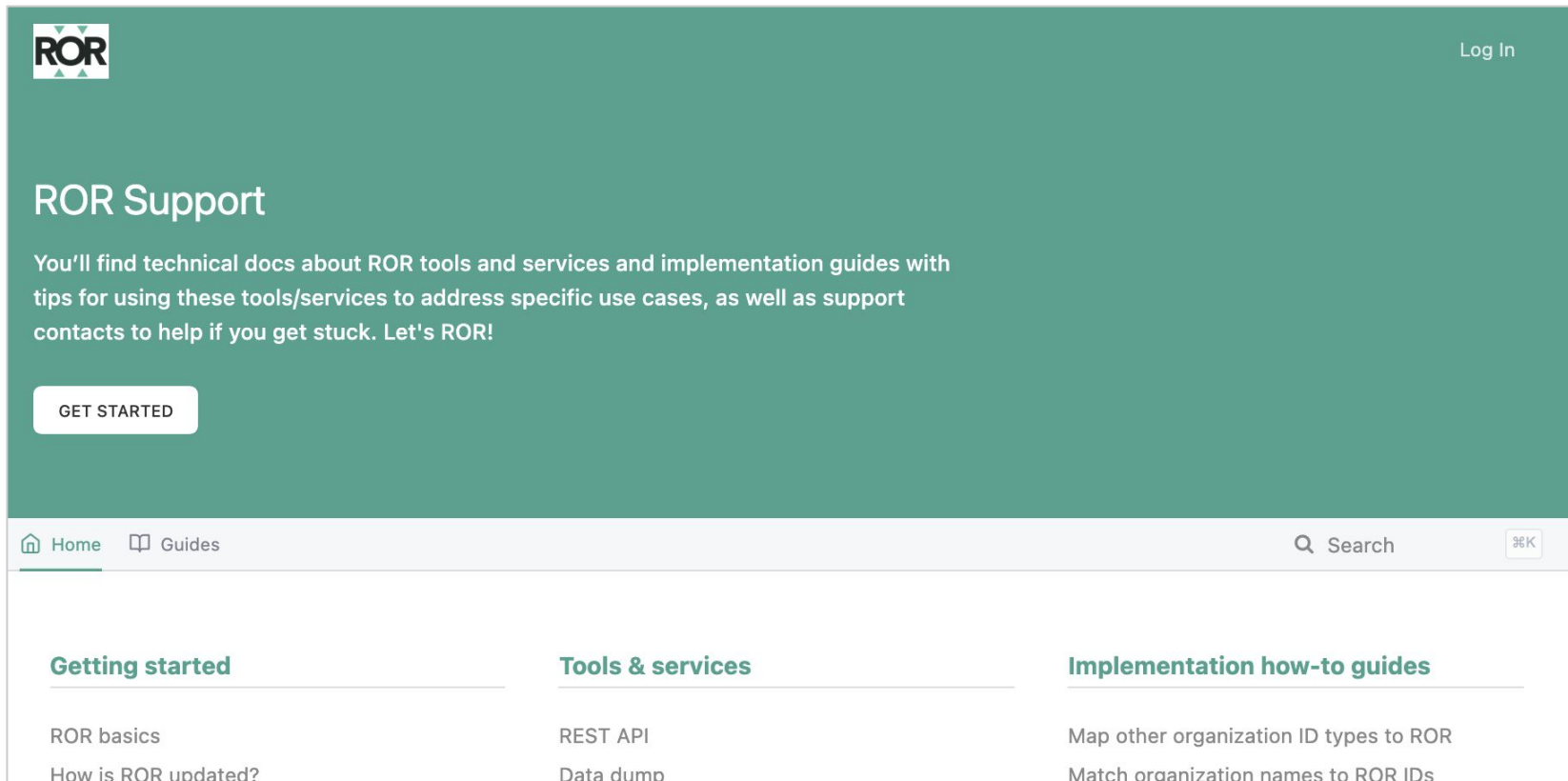
Add a new organization to ROR: (.) Research Institute of Ukrainian Studies Ministry of Education and Science of Ukraine #128 opened by mariagould **grid40** **level 1** **link** **new record** **org-requested**

Add a new organization to ROR: Lancel Laboratories #34 opened by mariagould **grid40** **jaquar** **level 1** **new record**



ROR-Support

ROR-Support-Website <https://ror.readme.io>



The screenshot shows the homepage of the ROR Support website. The header features the ROR logo on the left and a 'Log In' link on the right. The main content area has a large heading 'ROR Support' followed by a paragraph: 'You'll find technical docs about ROR tools and services and implementation guides with tips for using these tools/services to address specific use cases, as well as support contacts to help if you get stuck. Let's ROR!'. Below this is a white 'GET STARTED' button. A navigation bar at the bottom contains 'Home' and 'Guides' links, a search bar with a magnifying glass icon and a 'Search' button, and a keyboard shortcut icon. The main content is organized into three columns: 'Getting started' with links for 'ROR basics' and 'How is ROR updated?'; 'Tools & services' with links for 'REST API' and 'Data dump'; and 'Implementation how-to guides' with links for 'Map other organization ID types to ROR' and 'Match organization names to ROR IDs'.

ROR

Log In

ROR Support

You'll find technical docs about ROR tools and services and implementation guides with tips for using these tools/services to address specific use cases, as well as support contacts to help if you get stuck. Let's ROR!

GET STARTED

Home Guides Search Search

Getting started

- ROR basics
- How is ROR updated?

Tools & services

- REST API
- Data dump

Implementation how-to guides

- Map other organization ID types to ROR
- Match organization names to ROR IDs

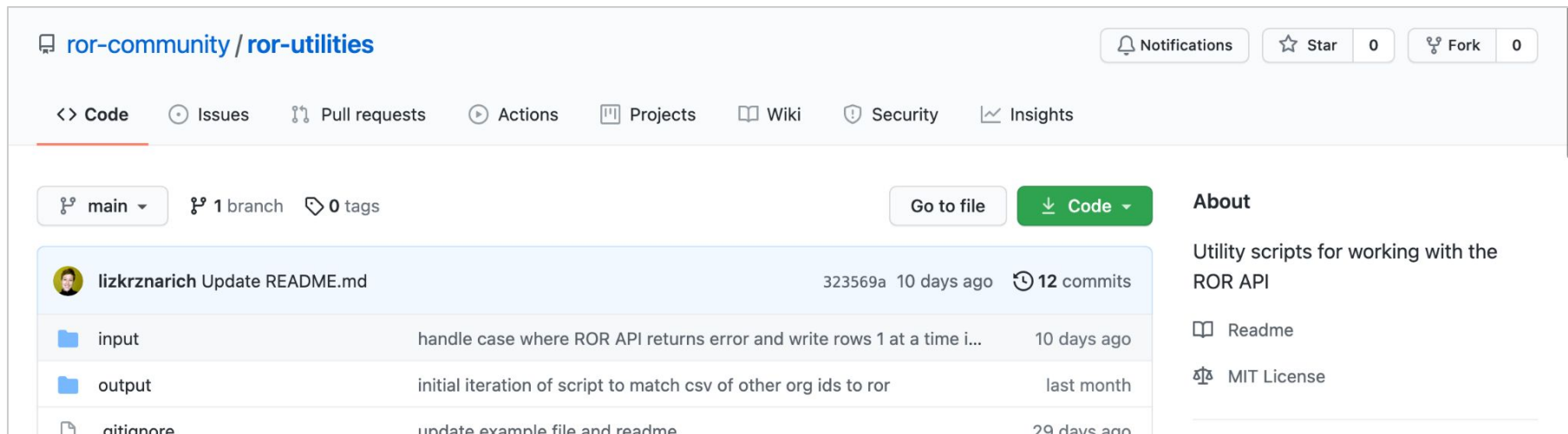
ROR-Support-Website <https://ror.readme.io>

- Work in Progress - weitere Seiten folgen!
- **Ihr Feedback ist herzlich willkommen!** Benutzen Sie den "Suggest edits"-Button für Vorschläge oder; E-Mail and info@ror.org mit allgemeinen Kommentaren / Vorschlägen

The screenshot shows the ROR website interface. At the top left is the ROR logo. In the top right corner, there is a 'Log In' link. Below the header is a navigation bar with 'Home' and 'Guides' (the latter is underlined). To the right of the navigation bar is a search bar with a magnifying glass icon and a 'Search' button. Below the navigation bar, the main content area is divided into two columns. The left column is titled 'GETTING STARTED' and contains a list of links: 'ROR basics' (highlighted with a green bar), 'How is ROR updated?', 'ROR data structure', and 'GRID/ROR Transition FAQ'. The right column is titled 'ROR basics' and contains a 'What is ROR?' section. In the top right corner of the main content area, there is a 'SUGGEST EDITS' button with a document icon, which is highlighted with an orange border. Below the 'SUGGEST EDITS' button is a 'TABLE OF CONTENTS' section with a hamburger menu icon and the text 'What is ROR?'. At the bottom of the page, there is a footer with the ROR logo on the left and the text '@ResearchOrgs' on the right.

Code-Beispiele [ror-community/ror-utilities](https://github.com/ror-community/ror-utilities)

- **Beiträge / Vorschläge sind willkommen!** Bitte machen Sie einen Pull-Request oder erstellen Sie einen Issue.
- Skript zum Matching von ROR und anderen Organisations-IDs



The screenshot shows the GitHub repository page for `ror-community/ror-utilities`. At the top, there are navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights. The repository name is `ror-community/ror-utilities`, with 0 stars and 0 forks. The main branch is `main`, with 1 branch and 0 tags. A commit by `lizkrznrarich` is highlighted, titled "Update README.md", with a commit hash of `323569a` and 12 commits. Below the commit, there are two folders: `input` and `output`. The `input` folder description is "handle case where ROR API returns error and write rows 1 at a time i..." and the `output` folder description is "initial iteration of script to match csv of other org ids to ror". There is also a file `.gitignore` with the description "update example file and readme". On the right side, there is an "About" section with the text "Utility scripts for working with the ROR API", a "Readme" link, and a "MIT License" link.

ROR-Implementierungen <https://ror.org/integrations>

Die ROR-ID ist nachweisbar in den Metadaten von

- DataCite
- Crossref
- ORCID

Active ROR Integrations

The screenshot shows the 'Active ROR Integrations' page. At the top, there are 'Filter', 'Sort', and a search icon. A filter menu is open, showing a search for 'Product/System' and a list of fields: Organization, Status, System type, Description, and URL. Below the filter, three integration cards are visible:

- ProposalCentral**: STATUS: Completed; SYSTEM TYPE: Funding; DESCRIPTION: ROR IDs are integrated into the research institution profiles of ProposalCentral - a research and grants management platform ...; URL: https://altum.com/newsroom-blo...
- BrCris**: ORGANIZATION: IBICT; STATUS: In progress; SYSTEM TYPE: CRIS; DESCRIPTION: We plan to display the ROR ID for institutions in the system.; URL: https://ibict.br
- British Library**: (partially visible)

ROR-Implementierungen <https://ror.org/integrations>

- **Fehlt Ihre Implementierung?**

Lassen Sie es uns wissen:

<https://airtable.com/shrQImqDpXie13ufz>

- **Möchten Sie Ihre Implementierung aktualisieren?**

Lassen Sie es uns wissen: info@ror.org



ROR in Crossref

ROR in Crossref

```
<contributors>
  <person_name sequence="first">
    <given_name>Josiah</given_name>
    <family_name>Carberry</family_name>
  <affiliations>
    <institution>
      <institution_name>Brown University</institution_name>
      <institution_id id_type="ror">https://ror.org/05gq02987</institution_id>
      <institution_id id_type="isni">0000000401234567</institution_id>
      <institution_id id_type="wikidata">Q11111111</institution_id>
      <institution_place country="US">Providence, RI</institution_place>
      <institution_department>Psychoceramics</institution_department>
    </institution>
  </affiliations>
  ...
```

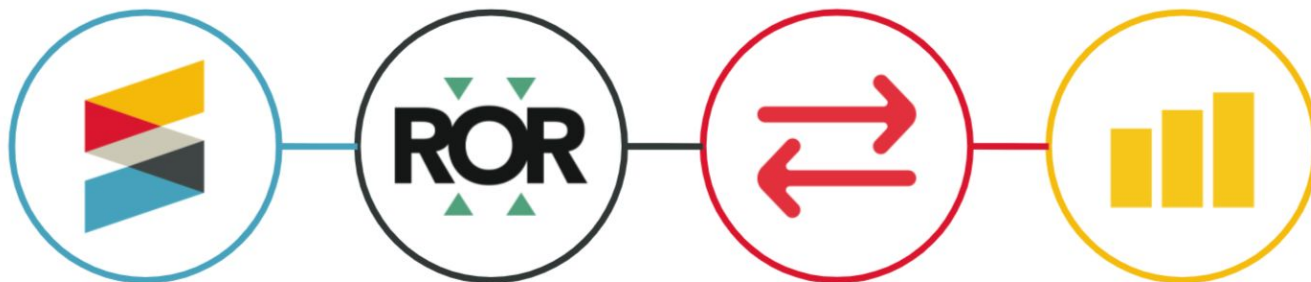
Wiederholbar, um mehrere Einrichtungen zu ermöglichen

ROR ist der empfohlene ID-Typ, aber auch andere IDs werden unterstützt.

ROR in Crossref

- ROR IDs werden seit Juli 2021 im Crossref Metadatenschema für alle “content types” unterstützt
- Derzeit wird ROR bei der Registrierung von Publikationen via XML unterstützt
- Unterstützung von ROR in weiteren Services (Participation Reports, REST API outputs)
- [Crossref/ROR Webinar 29.09.2021](#)
- Bei Fragen E-Mail an [Rachael Lammey](#)

ROR in Crossref



As a Crossref member, manage metadata for your articles, preprints, book chapters, grants, and more

Look up and identify affiliations from ROR, add to Crossref records to assert affiliation information

Crossref metadata is distributed along with ROR identifiers throughout the global scholarly ecosystem

Discover, track, and make connections between research objects in the context of affiliations

<https://www.crossref.org/blog/some-rip-roring-news-for-affiliation-metadata/>

Reminder: ROR community channels



[ROR Slack](#)



[Tech support discussion forum](#)



Adoption working group



[ROR Github](#)



[PID Forum ROR chat](#)



Noch mehr ROR

- [Organisations-IDs](#)
[29.9.2021, 13:30, OAT 2021](#)
- [Crossref/ROR Webinar](#)
[29.09.2021, 17:00](#)
- ORCID DE Online-Seminar
Organisations-IDs in
Affiliations-Richtlinien
Dezember 2021



Let's ROR-poll together:

Welche Themen rund um ROR würden Sie in einem weiteren Online-Seminar besuchen (Mehrfachauswahl)?

<https://ror.org>
info@ror.org

