

WELCOME



NEWS

OPENAIRE TECH CLINIC WEBINAR FOR OPENAIRE AMKE MEMBERS

21th June 2021



OpenAIRE Tech-Clinic webinars for OpenAIRE AMKE Members

New services integrated in the OpenAIRE infrastructure

OpenOrgs

21th June

10:00 - 11:00 (CEST)



NEW SERVICES INTEGRATED IN OPENAIRE INFRASTRUCTURE

 OpenOrgs Database



Claudio Atzori (CNR, Italy)



Gina Perone (CNR, Italy)

Housekeeping rules



The event will be **recorded**



Participants' microphones are **off**

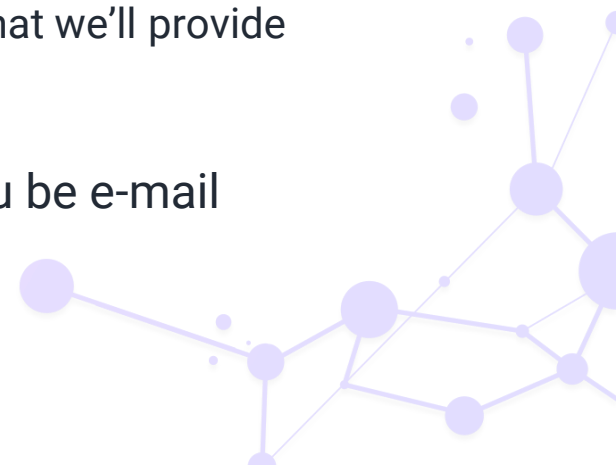


If you want to participate:

- **Use Chat** to introduce yourself, to interact with participants and write questions to the speakers, or the Q&A document that we'll provide
- **Raise hand** to speak



Presentations and recording will be shared with you by e-mail



Support and Training activities in OpenAIRE NEXUS

Support

Provide usage, technical, and legal support related to OpenAIRE-Nexus services

- Upgrade and combine the **existing support material** offered by the current services.
- Manage and update helpdesk service and materials (**FAQs, guides, ticketing**).
- Integrate the ticketing system with the **federated helpdesk** Framework provided by EOSC CORE.

Training

Organize, promote and support training targeting the use of OpenAIRE-Nexus services

- **Webinars** and **face-to-face training events**.
- **Training activity will be coordinated with the OpenAIRE NOADs network (AMKE SC)**.
- Connected and complemented with OpenAIRE **training (e-learning) platform**.
- Materials and courses available in the EOSC training catalogue (EOSC CORE).

Tech Clinics for
OpenAIRE AMKE
members every two
months

OpenAIRE portfolio services/products

PUBLISH

ZENODO

- Alex Ioannidis, Jose Benito Gonzalez Lopez (CERN)

EpiSciences

- Raphael Tournoy (CNRS)

Amnesia

- Manolis Terrovitis (Athena RC)

ARGOS

- Elli Papadopoulou, Georgios Kakaletis (Athena RC)

MONITOR

MONITOR

- Ioanna Grypari, Harrys Dimitropoulos (Athena RC)

OpenCitations

- Silvio Peroni (UNIBO)

ScholExplorer

- Sandro La Bruzzo (CNR-ISTI)

UsageCounts

- Dimitris Pierrakos (Athena RC)

OpenAPC

- Andreas Czerniak, Jochen Schirrwagen (Univ. of Bielefeld)

Open Science Observatory

- Ioanna Grypari, Natalia Manola (Athena RC)

DISCOVER

PROVIDE

- Pedro Principe (Univ. of Minho)

EXPLORE

- Katerina Iatropoulou (Athena RC)

CONNECT

- Alessia Bardi (CNR-ISTI)



Claudio Atzori, Gina Pavone

Institute of Information Science and Technologies

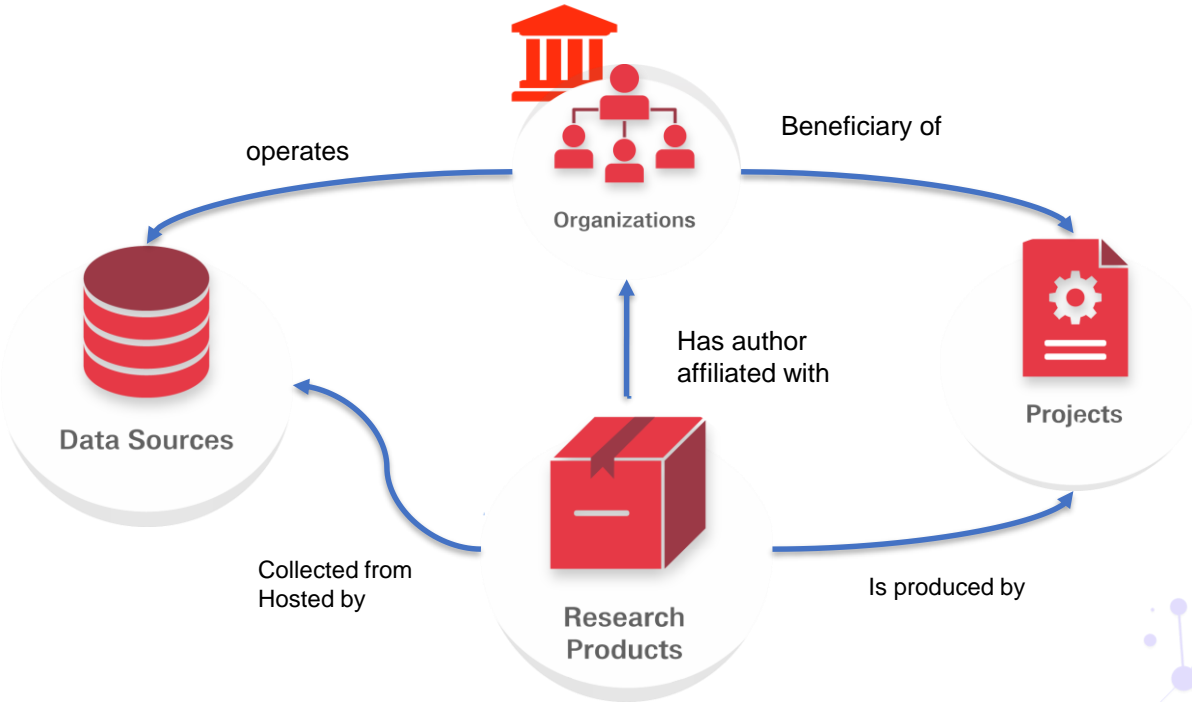
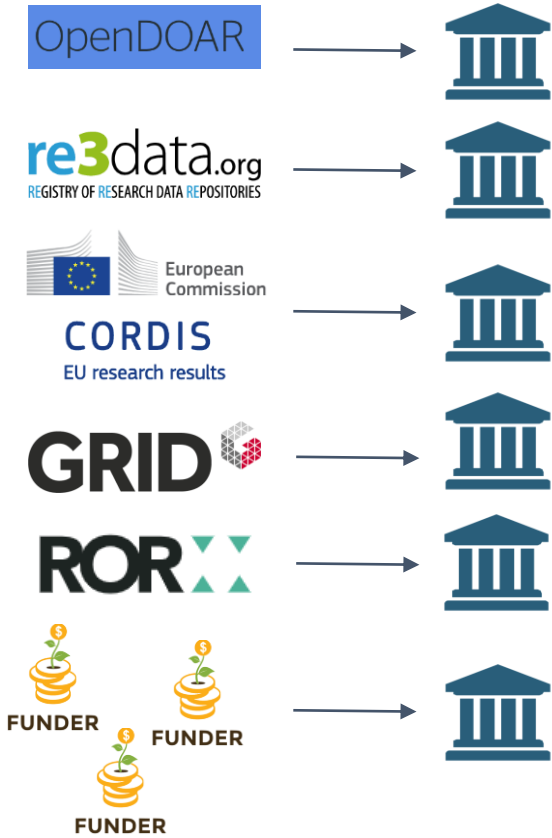
Consiglio Nazionale delle Ricerche - IT

Bridging registries of research organizations

supporting disambiguation and improving the quality of data

OpenAIRE Tech-Clinic 2021-06-21

Organizations in OpenAIRE



Problem statement [1] import phase

OpenDOAR



re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES



European Commission
CORDIS
EU research results



GRID



ROR



FUNDER
FUNDER
FUNDER



Organizations (mentions)

1. Responsible body for the management of a data provider
2. Project participant
3. Extracted from the article full-text as author affiliation

Lack of common identifiers!

OpenDOAR



re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES



European Commission



CORDIS
EU research results

GRID



ROR



FUNDER
FUNDER
FUNDER



Problem statement [2] disambiguation



Problem statement [3] quality / completeness

OpenDOAR



re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

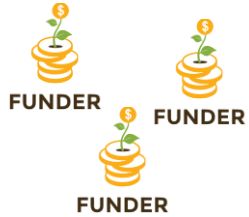


CORDIS
EU research results

GRID



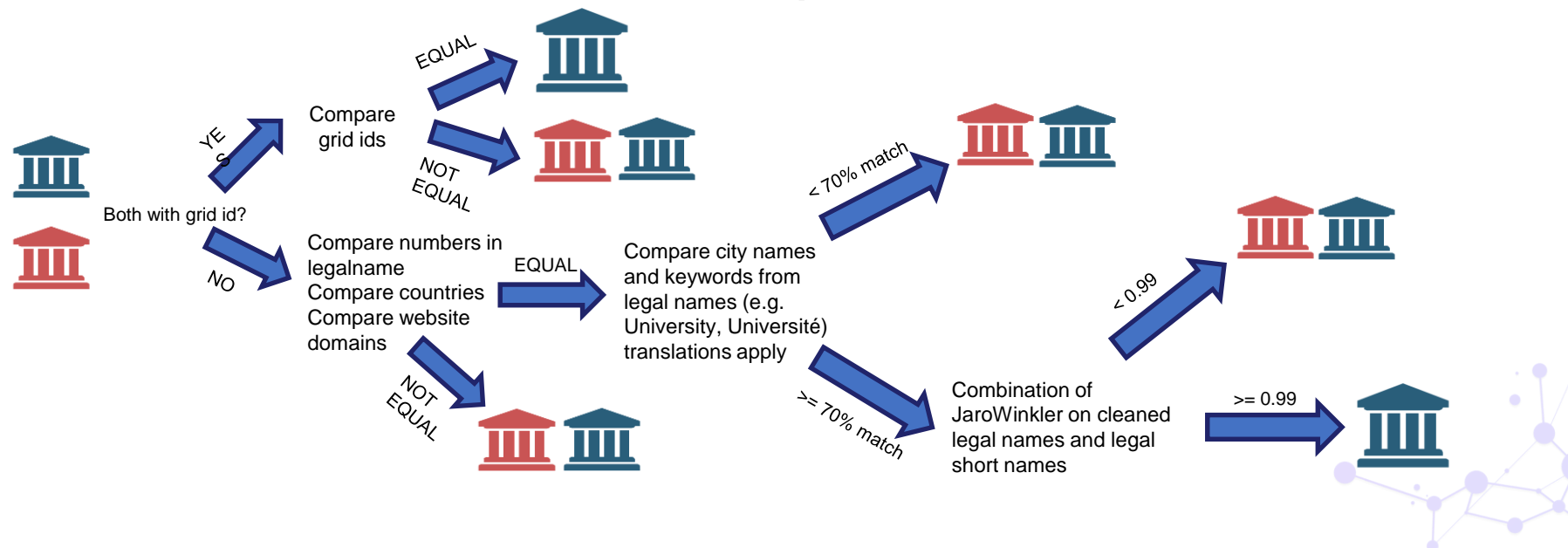
ROR



organization field completeness		
field	missing	% missing
legalname	254	0.1%
legalshortname	156,923	43.2%
alternativenames	319,825	88.0%
country	82,002	22.6%
websiteurl	142,047	39.1%
pid	184,536	50.8%

The duplicate identification algorithm in a nutshell

- **Group** organisations by legalname and by website URL (4 clustering functions)
- For each cluster we perform pairwise **comparisons** with early exit strategies.



Drawbacks



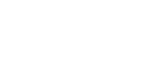
OpenDOAR



re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES



European Commission



CORDIS
EU research results

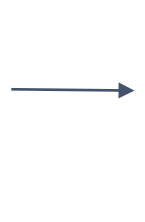
GRID



ROR



FUNDER FUNDER FUNDER



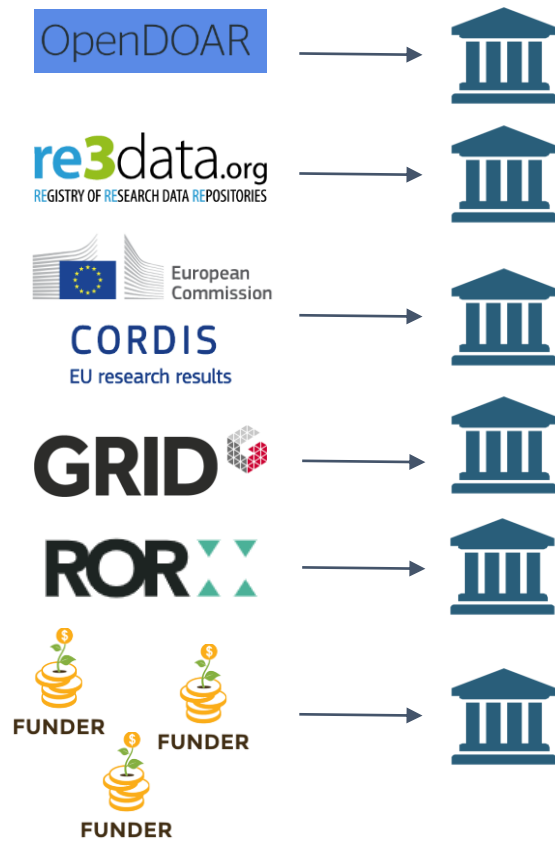
False positives

- Inaccurate statistics (e.g. for institutional and country monitors)
- Inaccurate search results (e.g. finding only the US Concordia University and not the Canadian one)

False negatives

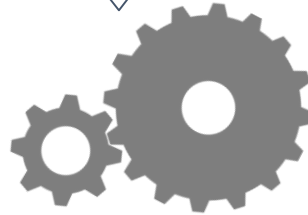
- One instance is linked to the papers, one to the project... but it is the same organization!

Data provision pipeline



Configuration

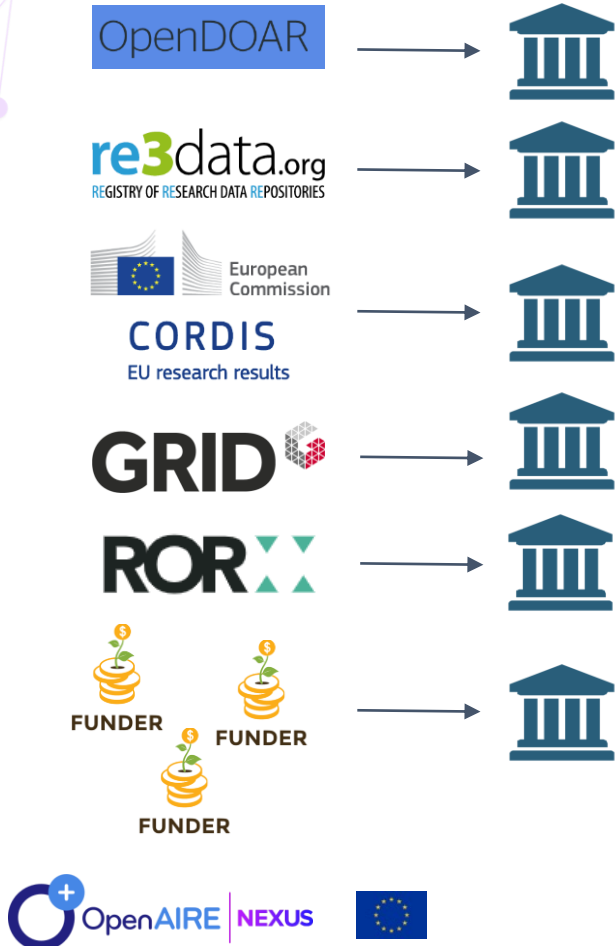
- comparators
- thresholds
- decision trees



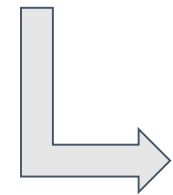
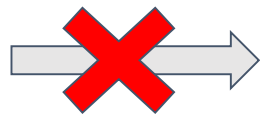
Deduplication
process



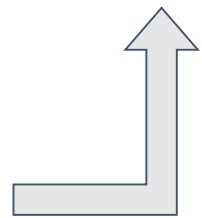
Data provision pipeline



Configuration
- comparators
- thresholds
- decision trees



OpenOrgs

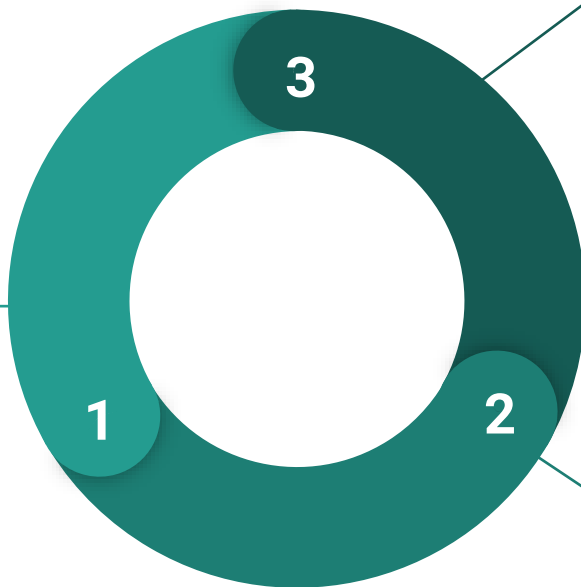


Data curators

OpenOrgs activity pillars

Automatic suggestion of duplicates

The process for the automatic identification of possible duplicates will periodically produce new suggestions for the data curators. This will happen when a new source of organization objects is registered in OpenAIRE (typically a new funder providing descriptions about projects and the relative beneficiaries)



Metadata curation

The quality of the data is a key aspect enabling the realization of data-centric services. In OpenOrgs data curators can enrich the metadata description of the organization entities, compensating the lack of information available from the sources and improving the discoverability / completeness of the organization records.

Management of duplicates

Deciding whether two or more digital representations are duplicates of the same object can be a task that only humans can carry out precisely. The OpenOrgs tool allows data curator to manage the ambiguities in the data lake of the organization mentions aggregated by OpenAIRE



User roles



Simple User

Scope limited to a set of countries

Metadata editing & enrichment

Creation of Org → To be approved by national admin/super admin

Approval of suggestions from the duplicate identification algorithm



National admin

Is a user (limited to a set of countries)

Approval of pending orgs → generates approved Orgs

Grant access to users for the Nation

Resolution of conflicts



Super admin

Is a National Admin for all countries

Grant access to National Admins



Main concepts

Approved org: is an organization that was confirmed by a curator. It is persisted with a stable identifier (OpenOrgs ID) and its metadata fields can be enriched / curated;

Pending (suggested) org: is an organization to be approved by the national admin; the approval produces an OpenOrgs ID.

- Suggested by the dedup algorithm
- Suggested by the user

Duplicate: possible duplication of the same organization, to be resolved by the user. It is created between an approved org and a raw org (an external org with no OpenOrg ID, ie coming from Corda, Re3data, ROR...).

- Suggested by the dedup algorithm
- Created by the user

Hidden org: is an organization that should not be shown in the OpenAIRE public portals

Conflict: when two or more “approved” orgs are:

- Identified as duplicates by de-duplication
- Created by users approving already existing organizations
- They can be resolved through dedicated user actions that set as hidden the conflicting orgs



Enrolling data curators

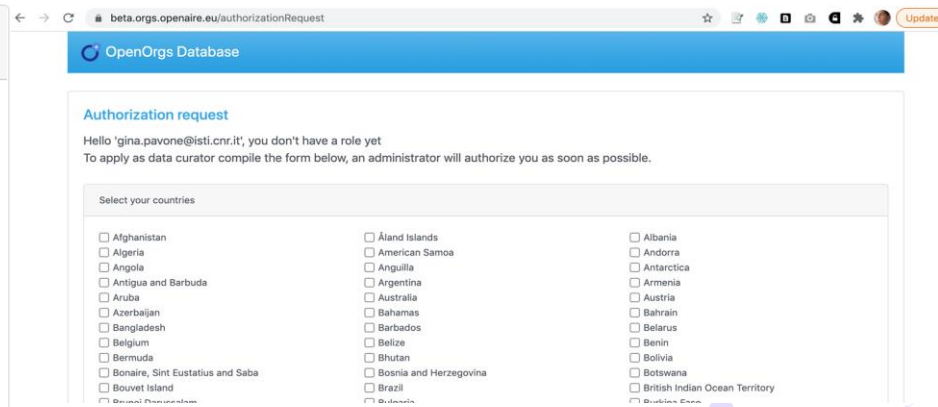
1. Create an OpenAIRE account @ <https://services.openaire.eu/uoa-user-management/register.jsp>
2. Sign in @ <https://beta.orgs.openaire.eu>
3. You may choose different countries that you want to curate
4. Get in contact with admins: **openorgs-admin@openaire.eu**

[Sign In](#) [Info](#)

Access Guide

To use this service you have to perform the following steps:

1. Register on the OpenAIRE portal.
2. Login using the OpenAIRE credentials
3. Compile the Authorization Request Form
4. An administrator will authorize you as soon as possible



The screenshot shows a web browser window with the URL beta.orgs.openaire.eu/authorizationRequest. The page title is "OpenOrgs Database". Below the title, there is a section titled "Authorization request" with a message: "Hello 'gina.pavone@isti.cnr.it', you don't have a role yet. To apply as data curator compile the form below, an administrator will authorize you as soon as possible." The main content area is titled "Select your countries" and contains a list of countries with checkboxes next to them. The countries listed are: Afghanistan, Algeria, Angola, Antigua and Barbuda, Aruba, Azerbaijan, Bangladesh, Belgium, Bermuda, Bonaire, Sint Eustatius and Saba, Bouvet Island, Brunei Darussalam, Åland Islands, American Samoa, Anguilla, Argentina, Australia, Bahamas, Barbados, Belize, Bhutan, Bosnia and Herzegovina, Brazil, Brunei, Albania, Andorra, Antarctica, Armenia, Austria, Bahrain, Belarus, Benin, Bolivia, Botswana, British Indian Ocean Territory, and British Overseas Territories.

Simple user operations

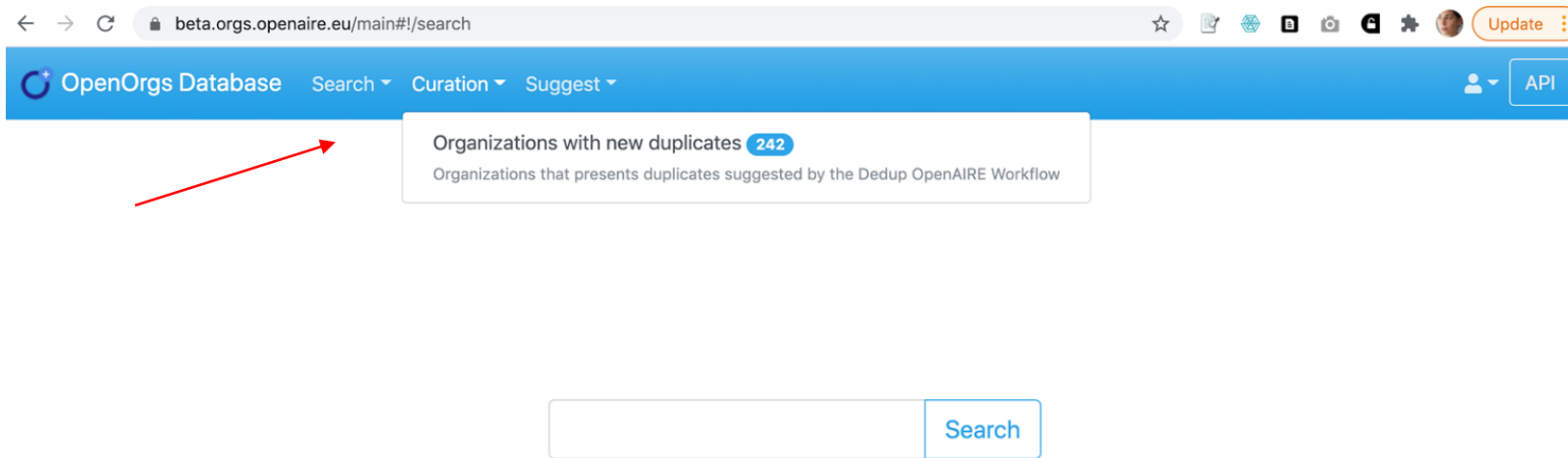
<https://beta.orgs.openaire.eu>

The screenshot shows the OpenOrgs Database website interface. The browser address bar displays the URL `beta.orgs.openaire.eu/main#!/search`. The website header includes the logo, navigation links for Search, Curation, and Suggest, and a user profile dropdown menu. The user profile dropdown menu is open, showing the following information:

- Logged as: gina.pavone@isti.cnr.it
- Role: Simple User
- Logout

A red arrow points to the user profile dropdown menu. Below the header, there is a search bar with a Search button.

Simple user task: resolution of duplicates



The screenshot shows the OpenOrgs Database website interface. The browser address bar displays the URL `beta.orgs.openaire.eu/main#!/search`. The navigation bar includes the OpenOrgs Database logo, a search bar, and menu items for Search, Curation, and Suggest. A red arrow points to the 'Curation' menu item, which has opened a dropdown menu. The dropdown menu contains the following text:

- Organizations with new duplicates **242**
- Organizations that presents duplicates suggested by the Dedup OpenAIRE Workflow

Below the navigation bar, there is a search input field and a 'Search' button.

Menu: Curation → Organizations with new duplicates.

An automated deduplication process has spotted similarities between two or more organizations and it suggests to confirm they are the same organization

Curation → organization with new duplicates













← → ↻ beta.orgs.openaire.eu/main#!/duplicates/IT ☆ 📄 🌐 📄 📷 📄 ⚙️ 👤 Update ⋮

OpenOrgs Database Search ▾ Curation ▾ Suggest ▾ API

Duplicates

Current country: IT ▾

Filter...

Organization	Place	# pending duplicates
Agenzia Regionale per la Protezione Ambientale	 Turin, IT	1
Alfasigma (Italy)	 Bologna, IT	1
Ambiente Italia (Italy)	 Milan, IT	2
AM Testing (Italy)	 Pisa, IT	2
Archivio di Stato di Venezia	 Venice, IT	1
Associazione della Croce Rossa Italiana	 Rome, IT	1
Associazione Italiana per la Ricerca Industriale	 Rome, IT	2
Azienda Mobilità e Trasporti	 Genoa, IT	1
Azienda Ospedaliero-Universitaria Careggi	 Florence, IT	1
Azienda Trasporti Milanesi (Italy)	 Milan, IT	1
Azienda Unità Sanitaria Locale 11 di Empoli	 Empoli, IT	1
Base Protection (Italy)	 Barletta, IT	1

Confirming identity between orgs

Polytechnic University of Milan



Registered organization

Name	<u>Polytechnic University of Milan</u>
Type	Education
Place	<u>Milan, IT</u>
Acronyms	
Also known as	Politecnico di Milano Polytechnikum Mailand Polytechnic University of Milan École polytechnique de milan
Urls	<u>http://www.polimi.it/en/</u>

Duplicates

Related organization	Acronym	Country	Source	
<u>Politecnico di MILANO</u> URL:		IT	Original Id: miur_____: :45646ba06dcfbb446dee13fdf2dfc053 Provenance: Ministero dell'Istruzione dell'Università e della Ricerca	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Politecnico di Milano URL: <u>http://www.polimi.it/</u>		IT	Original Id: opendoar_____: :Politecnico_di_Milano_IT Provenance: OpenDOAR	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Polytechnic University of Milan URL:		IT	Original Id: ukri_____: :84803376-D657-41A3-A5DB-E1341282462E Provenance: UK Research and Innovation	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>



Confirming identity between organizations

beta.orgs.openaire.eu/main#!/duplicates/IT

Registered organization

Name	<u>Polytechnic University of Milan</u>
Type	Education
Place	<u>Milan, IT</u>
Acronyms	
Also known as	Politecnico di Milano Polytechnikum Mailand Polytechnic University of Milan École polytechnique de milan
Urls	<u>http://www.polimi.it/en/</u>

Duplicates

Related organization	Acronym	Country	Source	
<u>Politecnico di MILANO</u> URL:		IT	Original Id: miur_____: 45646ba06dcfbb446dee13fdf2dfc053 Provenance: Ministero dell'Istruzione dell'Università e della Ricerca	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Politecnico di Milano URL: <u>http://www.polimi.it/</u>		IT	Original Id: opendoar_____: Politecnico_di_Milano_IT Provenance: OpenDOAR	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Polytechnic University of Milan URL:		IT	Original Id: ukri_____: 84803376-D657-41A3-A5DB-E1341282462E Provenance: UK Research and Innovation	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

Close Save changes

Deduplication errors

Agenzia Regionale per la Protezione Ambientale



Registered organization

Name	Agenzia Regionale per la Protezione Ambientale
Type	Government
Place	Turin, IT
Acronyms	ARPA
Also known as	Agenzia Regionale per la Protezione Ambientale Regional Environmental Protection Agency
Urls	https://www.arpa.piemonte.gov.it/english-version

Duplicates

Related organization	Acronym	Country	Source
<u>AGENZIA REGIONALE PROTEZIONE CIVILE-EMILIA ROMAGNA</u> URL:		IT	Original Id: corda_____: :998349803 Provenance: CORDA - COMmon Research DATA Warehouse










Summary of situation per organization

#Dups = orgs already marked as different, new duplicate suggestions and orgs already marked as the same

Organization name	Place	Acronyms	# Dups diff/sugg/sim	Type
Alcatel-Lucent (Italy)	 Vimercate, IT		- / - / -	Company
Alenia Aermacchi	 Varese, IT		- / - / 4	Company
Alessandro Manzoni Hospital	 Lecco, IT		- / - / 1	Healthcare
Alfasigma (Italy)	 Bologna, IT		- / - / 2	Company
Alitalia (Italy)	 Rome, IT		- / - / 1	Company
ALK-Abelló (Italy)	 Lainate, IT	ALK	- / - / 1	Company
Alleanza Contro il Cancro	 Rome, IT	ACC	- / - / 3	Nonprofit
Allegria	 Milan, IT		- / - / 1	Nonprofit
Alma Mater Studiorum, Università di Bologna	 Bologna, IT	UNIBO	2 / 2 / 10	Education
AlmavivA (Italy)	 Palermo, IT		- / - / 1	Company

There may be uncertainty

Duplicates				
Related organization	Acronym	Country	Source	
THE UNIVERSITY OF <u>THE WEST INDIES</u> URL:	UWI	 JM	Original Id: corda_____: :999860287 Provenance: OpenOrgs Database	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
THE UNIVERSITY OF THE WEST INDIES <u>U WI*</u> URL: http://www.sta.uwi.edu	UWI	 JM	Original Id: corda_____: :999871248 Provenance: CORDA - COmmon Research DAta Warehouse	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
THE UNIVERSITY OF THE WEST INDIES U WI* URL: http://www.sta.uwi.edu	UWI	 JM	Original Id: corda_h2020: :999871248 Provenance: CORDA - COmmon Research DAta Warehouse - Horizon 2020	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
The University of the West Indies URL:	The University of the West Indies	 JM	Original Id: doajarticles::The_University_of_the_West_Indies Provenance: DOAJ-Articles	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
University of the West Indies URL:		 JM	Original Id: nsf_____: :University_of_the_West_Indies Provenance: NSF - National Science Foundation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
University of the West Indies at Mona URL: http://www.mona.uwi.edu/		 JM	Original Id: opendoar_____: :University_of_the_West_Indies_at_Mona_JM Provenance: OpenDOAR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
University of the West Indies URL:		 JM	Original Id: ukri_____: :FD944103-8D9E-4A58-B8BC-79B246196C29 Provenance: UK Research and Innovation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Creation of a new org

- Simple user → suggests a new org
- National admin → creates

← → ↻ beta.orgs.openaire.eu/main#!/new 🔍 ☆ 📄 🌐 📄 📄 📄 📄 📄 📄

Metadata

Official name and type

name organization name... ✕ type type... ✕ EC flags

Geographical location

city country country... ✕ lat 0 lng 0

Other names and identifiers

Acronyms

new acronym... +

Aliases

name language

new alias... language... ✕ +

Identifiers

id type

new id... type... ✕ +

Urls

http://... +

Relations

Relations

Related organization Type

No relations

add a related organization... rel type... ✕ +

Suggest a new Organization



Metadata information

Official name and type:

- Name (mandatory)
- Type (mandatory)

(description of types: <https://www.grid.ac/pages/policies>)

Geographical location:

- City (not mandatory, recommended)
- Country (mandatory)
- Lat and long (not mandatory)

Other names and identifiers

Acronyms (not mandatory)

Aliases:

- Alternative names and language of the alternative name (not mandatory)

Identifiers:

Id and type (automated compilation)

Urls (not mandatory)

Relations:

- Related organizations and relation type: (<https://www.grid.ac/pages/policies>)

Ca Foscari University of Venice

ID: openorgs____:0000097956

Created at July 16, 2020 11:48:19 by import:grid.ac

Modified at July 16, 2020 11:48:19 by import:grid.ac

Metadata Management Duplicates Conflicts

Official name and type

name Ca Foscari University of Venice type Education

Geographical location

city Venice country Italy lat 45.4345 lng 12.3265

Other names and identifiers

Acronyms

new acronym... +

Aliases

name	language	
Università ca' foscari de venise	fr	
Università Ca' Foscari Venezia	it	
Università Ca' Foscari	UNKNOWN	
Ca Foscari University of Venice	en	
Univerza v Benetkah	sl	
Universität Venedig	de	

new alias... language... +

Identifiers

id	type	
0000 0004 1763 0578	ISNI	
https://ror.org/04yzxz566	ROR	
463087	OrgRef	
grid.7240.1	GRID	

Metadata curation

- **It is not necessary to complete all metadata information**
You can choose to complete as much of the metadata as possible, enter only what you feel is necessary, or simply approve organizations (without completing the metadata).
- It is up to you how much information to add depending on the individual case, or depending on the rules established at a national level.
- We can decide together which information should be managed at national level and which should have international consistency.
- We recommend to curate as best as possible the following fields:
 - **Name of the org:** UTF-8 encoded and Latin letters
 - **Other names:** if possible, add the name in English and the acronym
 - **Country** - when working with orgs that do not have an assigned country



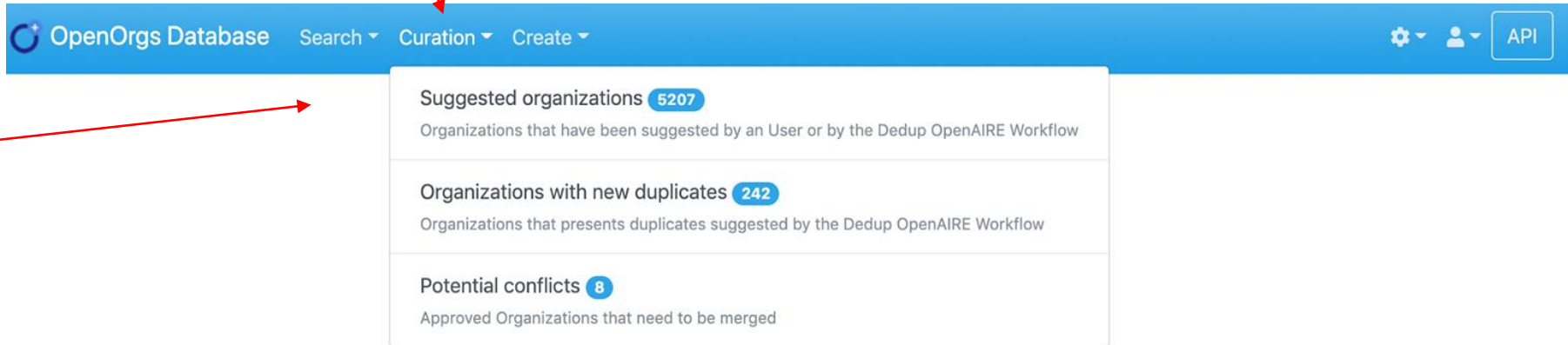
National admin operations

<https://beta.orgs.openaire.eu/>

Logged as:
noad-
it@openaire.eu
Role:
National Admin

Logout

National admin curation menu



The screenshot shows the 'OpenOrgs Database' interface. The top navigation bar is blue and contains the text 'OpenOrgs Database', 'Search', 'Curation', and 'Create'. On the right side of the bar are icons for settings, user profile, and an 'API' button. A dropdown menu is open under the 'Curation' tab, listing three categories:

- Suggested organizations** (5207)
Organizations that have been suggested by an User or by the Dedup OpenAIRE Workflow
- Organizations with new duplicates** (242)
Organizations that presents duplicates suggested by the Dedup OpenAIRE Workflow
- Potential conflicts** (8)
Approved Organizations that need to be merged

Red arrows point from the title to the 'Curation' dropdown and from the 'Suggested organizations' item to the left.

Menu: Curation → Suggested organizations:

Organizations to be confirmed by a curator. They will be persisted with a stable identifier (OpenOrgs ID) and it will be possible to enrich/curate their metadata fields.



Single organization page

Centro de Estudios en Biodiversidad

ID: pending_org_:f8a225eaf885b93498ea21b27057b3f3

Created at May 7, 2021 08:07:19 by dedupWf

Modified at May 7, 2021 08:07:19 by dedupWf

Metadata Management

Duplicates new

Note

History ↻

This organization is not yet subsumed by an OpenOrg. You can resolve this anomaly by:

- creating a new OpenOrg ID for this organization, or
- adding the organization as a duplicate of an existing OpenOrg

Official name and type

name Centro de Estudios en Biodiversidad

type UNKNOWN

EC flags

Curation → Suggested organizations → single org page

Suggested organizations:

- Metadata Management: to manage descriptive metadata information.
- Duplicates: where possible duplicates of the same organisation are suggested.
- Notes: something to remember
- History: activity log (action and who did it)



National admin → Editing of metadata

University of Rome I (La Sapienza)

ID: ukri_____:473F7B5C-70FE-4079-A7A4-9B33054D3495

Created at March 25, 2021 09:29:53 by dedupWf

Modified at March 25, 2021 09:29:53 by dedupWf

Metadata Management

Duplicates

This organization is not yet subsumed by an OpenOrg. You can resolve this anomaly by:

- creating a new OpenOrg ID for this organization, or
- adding the organization as a duplicate of an existing OpenOrg

Official name and type

name University of Rome I (La Sapienza)

type UNKNOWN

Geographical location

city

country Italy

lat 0.0

lng 0.0

Editing of metadata

← → ↻ beta.orgs.openaire.eu/main#!/edit/0/corda__h2020::938221540

OpenOrgs Database Search Curation Create

⚙️ 👤 API

ABACO SPA

ID: corda__h2020::938221540

Created at March 25, 2021 09:29:53 by dedupWf

Modified at March 25, 2021 09:29:53 by dedupWf

Metadata Management

Duplicates

This organization is not yet subsumed by an OpenOrg. You can resolve this anomaly by:

- creating a new OpenOrg ID for this organization, or
- adding the organization as a duplicate of an existing OpenOrg

Official name and type

name ABACO SPA

type ✓ UNKNOWN

EC flags

Archive
Company
Education
Facility
Government
Healthcare
Nonprofit
Other

Organization Type

Flags from the EC can help in determining the type of the org

The screenshot shows the OpenAIRE NEXUS interface for the organization 'AB.ACUS SRL'. The page includes metadata, a warning about OpenOrg subsumption, and sections for 'Official name and type', 'Geographical location', and 'Other names and identifiers'. A modal window titled 'European Commission Flags' is open, displaying a list of flags: legal-body, legal-person, non-profit, research-organization, higher-education, international-organization-Eur-interests, international-organization, enterprise, sme-validated, and nuts-code. A red circle highlights the 'EC flags' button in the 'Official name and type' section, with a red arrow pointing from it to the modal window.



Organization Type: not always an easy task

OpenOrgs Database Search Curation Create API

Cardiac and Vascular Surgery Fondazione Cardiologico Monzino IRCCS University of Milan

ID: snsf_____::Cardiac_and_Vascular_Surgery_Fondazione_Cardiologico_Monzino_IRCCS
Created at March 25, 2021 09:29:53 by dedupWf
Modified at March 25, 2021 09:29:53 by dedupWf

Metadata Management Duplicates

This organization is not yet subsumed by an OpenOrg. You can resolve this anomaly by:

- creating a new OpenOrg ID for this organization, or
- adding the organization as a duplicate of an existing OpenOrg

Official name and type

name	Cardiac and Vascular Surgery Fondazione Cardiologico Monzino IRCCS University of Milan	type	UNKNOWN	EC flags
------	----------------------------------------------------------------------------------------	------	---------	----------



National admin → approval of orgs

Curation menu → suggested Orgs → Pending Orgs

The screenshot displays the OpenOrgs Database interface. At the top, there is a blue navigation bar with 'OpenOrgs Database', 'Search', 'Curation', and 'Create' options. A user profile icon and 'API' are on the right. Below the navigation bar, the page shows metadata for an organization, 'Libera Università 'Vita Salute S.Raffaele' MILANO'. A warning message states: 'This organization is not yet submitted by an OpenOrg. You can resolve this anomaly by: creating a new OpenOrg ID for this organization, or adding the organization as a duplicate of an existing OpenOrg'. A dropdown menu is open, showing options: Archive, Company, Education (highlighted), Facility, Government, Healthcare, Nonprofit, Other, and UNKNOW (checked). A red circle highlights this menu. Below the warning, there are sections for 'Official name and type', 'Geographical location', and 'Other names and identifiers'. The 'Relations' section at the bottom contains a table with columns 'Related organization' and 'Type'. A red arrow points to the 'add a related organization...' link in this section. At the bottom left, a blue button labeled 'Approve as new Organization' is circled in red.

OpenOrgs Database Search Curation Create API

ID:
Created at by
Modified at by

Metadata Management Duplicates

This organization is not yet submitted by an OpenOrg. You can resolve this anomaly by:

- creating a new OpenOrg ID for this organization, or
- adding the organization as a duplicate of an existing OpenOrg

Official name and type

name Libera Università 'Vita Salute S.Raffaele' MILANO

Geographical location

city country Italy lat 0.0 lng 0.0

Other names and identifiers

Acronyms

new acronym...

Aliases

name language

new alias... language...

Identifiers

id type

new id... type...

Urls

http://...

Relations

Related organization	Type
add a related organization...	rel type...

Approve as new Organization

A use case from the OpenAIRE EXPLORER portal



Organization
UNIPD
University of Padua
[View all 12 versions](#)

Web page: <http://www.unipd.it/en/home-page>

Country: Italy

FUNDING / PROJECTS	CONTENT PROVIDERS	PUBLICATIONS	OTHER RESEARCH
9	3	91,200	329



Other versions of

Organization
UNIPD
University of Padua

12 ORGANIZATIONS, PAGE 1 OF 3

1 2 3 >

Organization
UNIPD (Universitat de Pàdua)
Country: Italy
Website URL: <http://www.unipd.it/en/home-page>

Organization
UNIPD (University of Padua)
Country: Italy
Website URL: <http://www.unipd.it/en/home-page>

Organization
UNIPD (University of Padua)
Country: Italy
Website URL: <http://www.unipd.it/en/home-page>

Organization
University of Padua
Country: Italy
Website URL: <https://www.unipd.it/>

Organization
University of Padua
Country: Italy

12 ORGANIZATIONS, PAGE 1 OF 3

1 2 3 >

Simple search by name, acronym or part of the name

University of Padua



Registered organization

Duplicates

Related organization	Acronym	Country	Source	
University of Padova URL:		IT	Original Id: chistera____: :bf3f5e92d101afe06f9f2ae1fdc6f0d4 Provenance: CHIST-ERA	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Università degli Studi di PADOVA URL:		IT	Original Id: miur_____: :bd694496f764d566b055c76a4040bf32 Provenance: Ministero dell'Istruzione dell'Università e della Ricerca	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
University of Padua URL: https://www.unipd.it/		IT	Original Id: opendoar____: :University_of_Padua_IT Provenance: OpenDOAR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
University of Padova URL: http://www.unipd.it		IT	Original Id: re3data____: :a5e8940188729f7f0fbe0d1ef21bc41e Provenance: Registry of Research Data Repository	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Universita degli Studi di Padova URL: http://www.unipd.it/		IT	Original Id: re3data____: :f90f258b83fe628a8651e0797c8fa5f5 Provenance: Registry of Research Data Repository	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Curation → suggested orgs

Beware not to create conflicts while approving new orgs

← → ↻ beta.orgs.openaire.eu/main#!/pendings/IT ☆ 📄 🌐 📄 📷 📺 ⚙️ 👤 API

OpenOrgs Database Search ▾ Curation ▾ Create ▾ ⚙️ 👤 API

Pending Organizations

Current country: IT ▾

Filter...

Organization name	Place	Acronyms	Type
8 B SRL	🇮🇹 -, IT		UNKNOWN
A2A CALORE & SERVIZI SRL	🇮🇹 -, IT	ACS	UNKNOWN
A2A RETI ELETTRICHE SPA	🇮🇹 -, IT		UNKNOWN
A2A SPA	🇮🇹 -, IT	A2A	UNKNOWN
A.ABETE SRL	🇮🇹 -, IT		UNKNOWN
A & A F. LLI PARODI SPA	🇮🇹 -, IT	A & A	UNKNOWN
AARHUS GEOFISICA SRL	🇮🇹 -, IT		UNKNOWN
AAT-ADVANCED ANALYTICAL TECHNOLOGIES	🇮🇹 -, IT	AAT	UNKNOWN
ABACO SPA	🇮🇹 -, IT		UNKNOWN
AB.ACUS SRL	🇮🇹 -, IT	ABACUS	UNKNOWN
AB.ACUS SRL	🇮🇹 -, IT	ABACUS	UNKNOWN
AB ANALITICA SRL	🇮🇹 -, IT	AB Analitica	UNKNOWN
ABB SPA	🇮🇹 -, IT	ABB	UNKNOWN
Abdus Salam ICTP	🇮🇹 -, IT		UNKNOWN
A. BENEVENUTA & C.S.P.A.	🇮🇹 -, IT		UNKNOWN
ABICH SRL	🇮🇹 -, IT		UNKNOWN

(All users) Curation → suggested orgs → select the approved org (here AB.ACUS SRL) → duplicates tab → approve the suggested duplicate (if right) and save → **link the additional duplicate by clicking on add**

The screenshot shows the OpenOrgs Database interface. At the top, there is a navigation bar with 'OpenOrgs Database', 'Search', 'Curation', and 'Create'. A notification box in the top right says 'beta.orgs.openaire.eu says Events updated !!!' with an 'OK' button. The main content area is titled 'AB.ACUS SRL' and includes metadata such as 'Name', 'Type', 'Place', 'Acronyms', 'Also known as', 'Urls', and 'Other identifiers'. A 'Current organization' section is visible, partially obscured by a loading spinner. Below this is a 'Duplicates' section with a table of related organizations. The 'add' button in the bottom right corner is circled in red, along with a confirmation dialog containing 'x', '?', and '✓' buttons.

beta.orgs.openaire.eu/main#!/edit/2/openorgs____:0000098407

OpenOrgs Database Search Curation Create

beta.orgs.openaire.eu says
Events updated !!!
OK

API

AB.ACUS SRL
ID: openorgs____:0000098407
Created at April 7, 2021 15:56:56 by noad-it@openaire.eu
Modified at April 7, 2021 15:57:34 by noad-it@openaire.eu

Metadata Management Duplicates Conflicts

Current organization

Name	AB.ACUS SRL
Type	Company legal person enterprise sme validated
Place	-, IT
Acronyms	ABACUS
Also known as	
Urls	http://www.ab-acus.com
Other identifiers	

Duplicates

Related organization	Acronym	Country	Source
AB.ACUS SRL URL: http://www.ab-acus.com legal person enterprise sme validated	ABACUS	IT	Original Id: corda____:999718578 Added by: noad-it@openaire.eu

add save

x ? ✓

Conflicts

OpenOrgs Database Search Curation Create API

Conflicts

Current country: IT

Filter...

Group 1

#1	European University Institute	Florence, IT	Education
#2	University Institute of European Studies	Turin, IT	Education

add resolve manually merge all all different

Suggested organizations **5204**
Organizations that have been suggested by an User or by the Dedup OpenAIRE Workflow

Organizations with new duplicates **242**
Organizations that presents duplicates suggested by the Dedup OpenAIRE Workflow

Potential conflicts **8**
Approved Organizations that need to be merged

National admin: Menu → Curation → Potential conflicts

When two or more “approved” orgs are:

- Identified as duplicates by de-duplication algorithm
- Created by users approving already existing organizations

They can be resolved through dedicated actions that set as hidden the conflicting orgs

Conflict resolution: all different

Conflicts

Current country: IT

Filter...

Group 1

#1	European University Institute	Florence, IT	Education
#2	University Institute of European Studies	Turin, IT	Education

add resolve manually merge all all different

Group 2

#1	T4tech (Italy)	Genoa, IT	Company
#2	SofTech (Italy)	Milan, IT	Company

add resolve manually merge all all different



Group 3

#1	Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise G. Caporale	Teramo, IT	Facility
#2	Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche	Perugia, IT	Facility
#3	Istituto Zooprofilattico Sperimentale della Sardegna	Sassari, IT	Facility

add resolve manually merge all all different

Conflict resolution: merge all



Group 5

#1	Carlo Forlanini Hospital	 Rome, IT	Healthcare
#2	Azienda Ospedaliera San Camillo-Forlanini	 Rome, IT	Healthcare

add resolve manually **merge all** all different



Conflict resolution: resolve manually

Group 5			
#1	Accademia Europea di Bolzano	 Bolzano, IT	Government
#2	ACCADEMIA EUROPEA DI BOLZANO	 -, IT	Education
<input type="button" value="add"/>	<input type="button" value="resolve manually"/>	<input type="button" value="merge all"/>	<input type="button" value="all different"/>



Resolve conflicts

Organizations

openorgs____:000010635

Name	Accademia Europea di Bolzano
Type	Government
Place	Bolzano, IT
Acronyms	EURAC
Also known as	Europäische Akademie Bozen European Academy of Bozen Accademia Europea de Bulsan Accademia Europea di Bolzano
Urls	http://www.eurac.edu/en/Pages/default.aspx
Other identifiers	0000 0001 1089 6435 (ISNI) Q1245390 (Wikidata) grid.418908.c (GRID) https://ror.org/01xt1w755 (ROR)

[select >>](#)

openorgs____:0000098362

Name	ACCADEMIA EUROPEA DI BOLZANO
Type	Education
Place	-, IT
Acronyms	
Also known as	Europäische Akademie Bozen
Urls	http://www.eurac.edu
Other identifiers	

[select >>](#)

New group

select main organization

#2 Synthema (Italy)

add resolve manually merge all

Group 3

#1 Istituto Sperimentale per la Zootecnia

#2 Istituto Sperimentale Agronomico

add resolve manually merge all

Group 4

#1 Istituto Ortopedico Galazzi

#2 Istituto Ortopedico Gaetano Pini

#3 Istituto Ortopedico Rizzoli

add resolve manually merge all

Group 5

#1 Accademia Europea di Bolzano

#2 ACCADEMIA EUROPEA DI BOLZANO

add resolve manually merge all

Group 6

#1 Azienda Ospedaliero Universitaria Pisana

#2 Azienda Ospedaliero-Universitaria Careggi

#3 Azienda Ospedaliera Universitaria Senese

#4 Meyer Children's Hospital

#5 Azienda Ospedaliero Universitario Mater D...

add resolve manually merge all

Group 7

#1 Carlo Forlanini Hospital

#2 Azienda Ospedaliera San Camillo-Forlanini

add resolve manually merge all

Pisa, IT Company

Rome, IT Facility

Bari, IT Facility

Milan, IT Healthcare

Milan, IT Healthcare

Bologna, IT Healthcare

Bolzano, IT Government

-, IT Education

Pisa, IT Healthcare

Florence, IT Healthcare

Siena, IT Healthcare

Florence, IT Healthcare

Catanzaro, IT Healthcare

Rome, IT Healthcare

Rome, IT Healthcare

Click to go back, hold to see history

Resolve conflicts

Organizations

no organization(s)

New group

Main organization

Name Accademia Europea di Bolzano

Type Government

Place Bolzano, IT

Acronyms EURAC

Also known as Europäische Akademie Bozen
European Academy of Bozen
Accademia Europea de Bulsan
Accademia Europea di Bolzano

Urls <http://www.eurac.edu/en/Pages/default.aspx>

Other identifiers 0000 0001 1089 6435 (ISNI)
Q1245390 (Wikidata)
grid.418908.c (GRID)
<https://ror.org/01xt1w755> (ROR)

Secondary organization 1

Name ACCADEMIA EUROPEA DI BOLZANO

Type Education

Place -, IT

Acronyms

Also known as Europäische Akademie Bozen

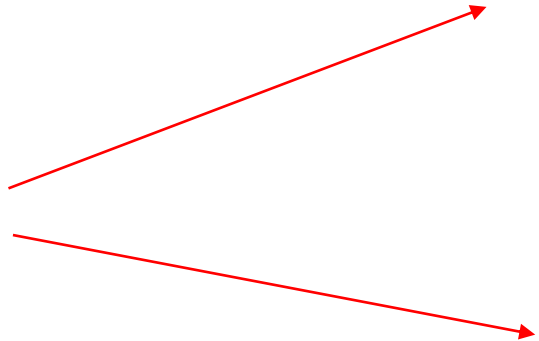
Urls <http://www.eurac.edu>

Other identifiers

reset

all different merge

Close






Open questions

- Do we need to standardize metadata curation across all users or just at a national level?
- Do we need to curate only research institutions or also companies?
- Orgs main name should be in English or in national language?
- Do we want to adopt national standards for organization names? (uppercase/lowercase letters, e.g. upper cases for each words that is not a preposition as in English; use of prepositions, etc.)
- Should we look up official names of organizations or do we stick to a standard we establish for OpenOrgs?





Next steps

- Continue the disambiguation task (Curation menu → Organizations with new duplicates)
 - Approve new orgs (Curation menu → Suggested orgs)
 - Resolve conflicts (Curation menu → Potential conflicts)
 - Finalise testing on beta
 - Have your say on open questions (in the feedback doc)
 - Give us feedback:
 - https://docs.google.com/document/d/19_kvibAkQpyAOw8LphnapzblwrV90LwkshsP_HSOWuQ/edit?usp=sharing
- 



Support

openorgs@openaire.eu

- Intended for registered users, internal communications

openorgs-admin@openaire.eu

- Intended to handle support requests, e.g. user registrations, assignment of countries. Open to all.



Thanks!

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Support: openorgs@openaire.eu and openorgs-admin@openaire.eu





THANK YOU