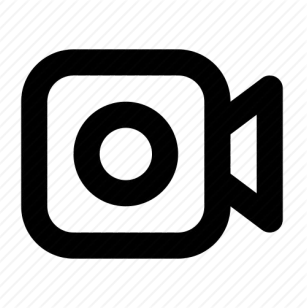
DSpace 7.0, OpenAIRE Guidelines, CRIS and ORCID

Open Science Fair 2019, September 16-18, Porto, Portugal

João Mendes Moreira		2E13-6710-9928		0000-0002-9081-2728
Paulo Lopes		4317-2B5C-51C5		0000-0002-5550-3268
Dimitris Pierrakos				0000-0001-6788-4128
Michele Mennielli				0000-0002-4968-906X

Video recording



During part of this session, a film crew from OpenAIRE will record some general images:

- Shots from speakers, audience participation and projected presentations;
- NO SOUND RECORD.

The film crew will make sure not to interrupt the session or in any manner distract the participants attention.

If you do not want to be filmed please let us know.

Workshop Agenda

- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

Workshop Agenda

- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

Agenda

Why How What

Agenda

Why

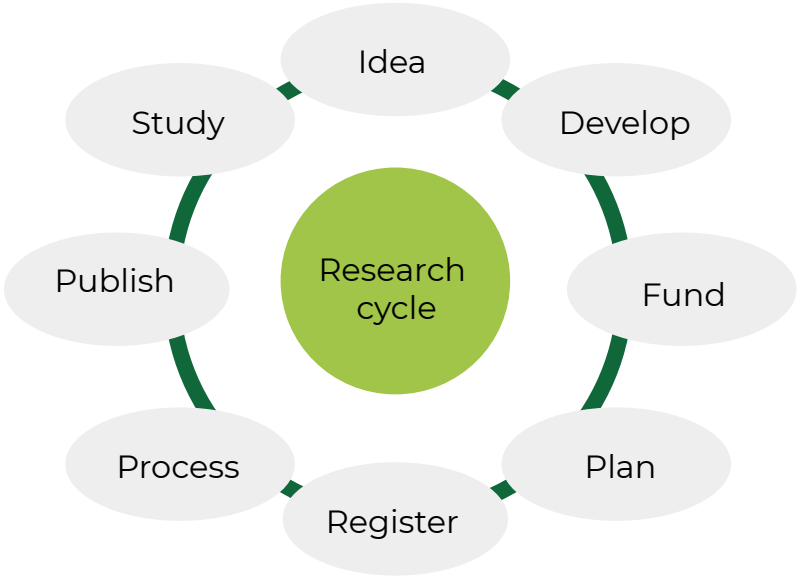
How

What

?

Why?

Research



Funding, surveys, reports, evaluation, etc.

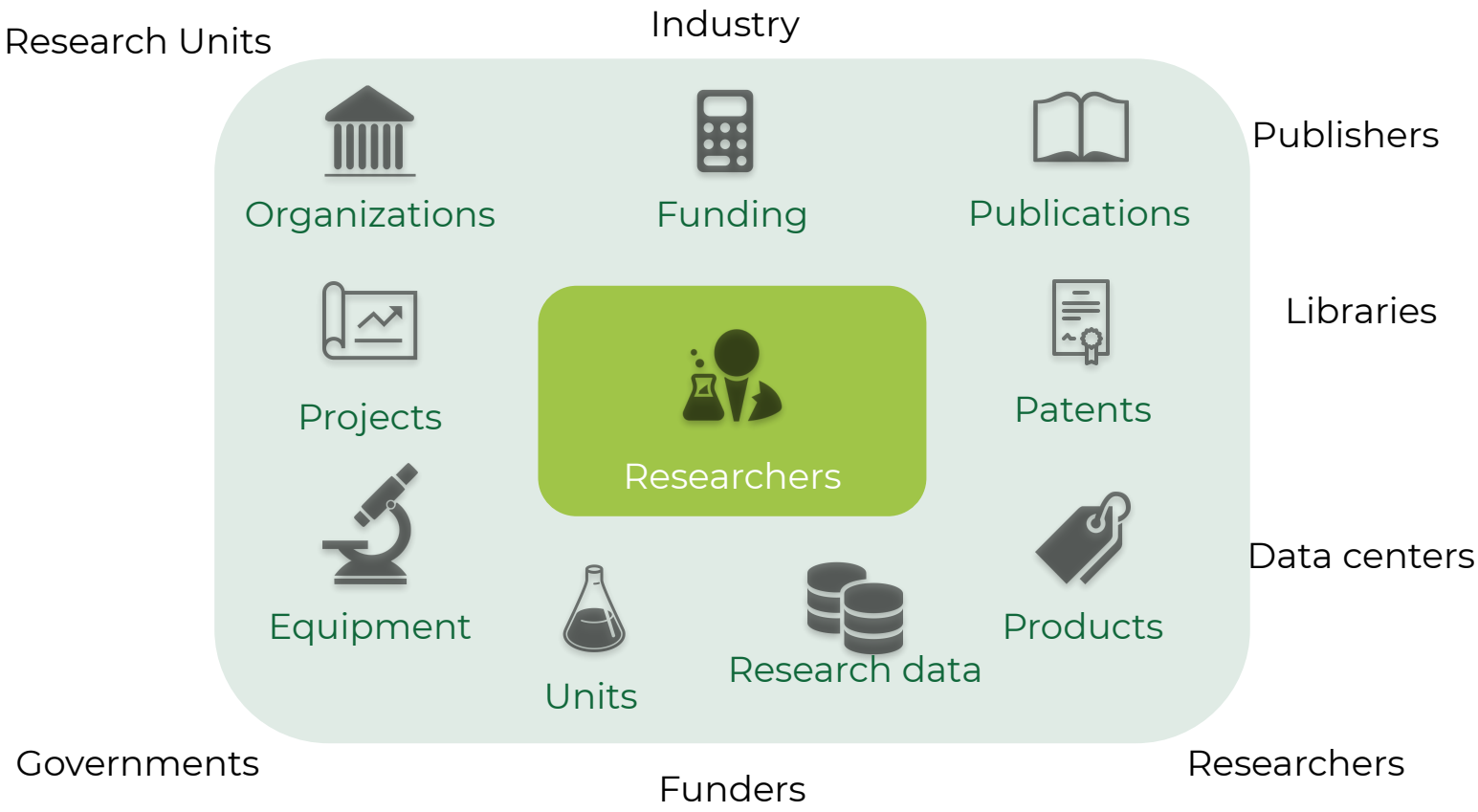
Education

Evaluation, censuses, surveys, accreditation, juries, etc.

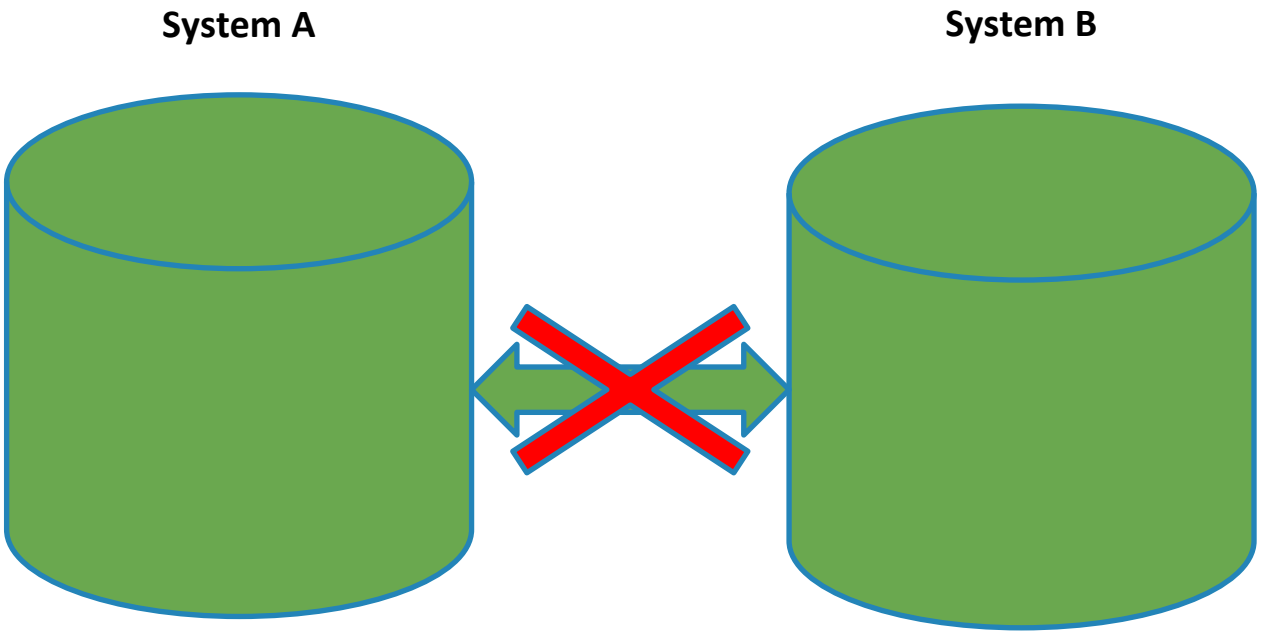
Register multiple times

?

Why?



The problem



Unnecessary effort, incomplete and unreliable information!

Agenda

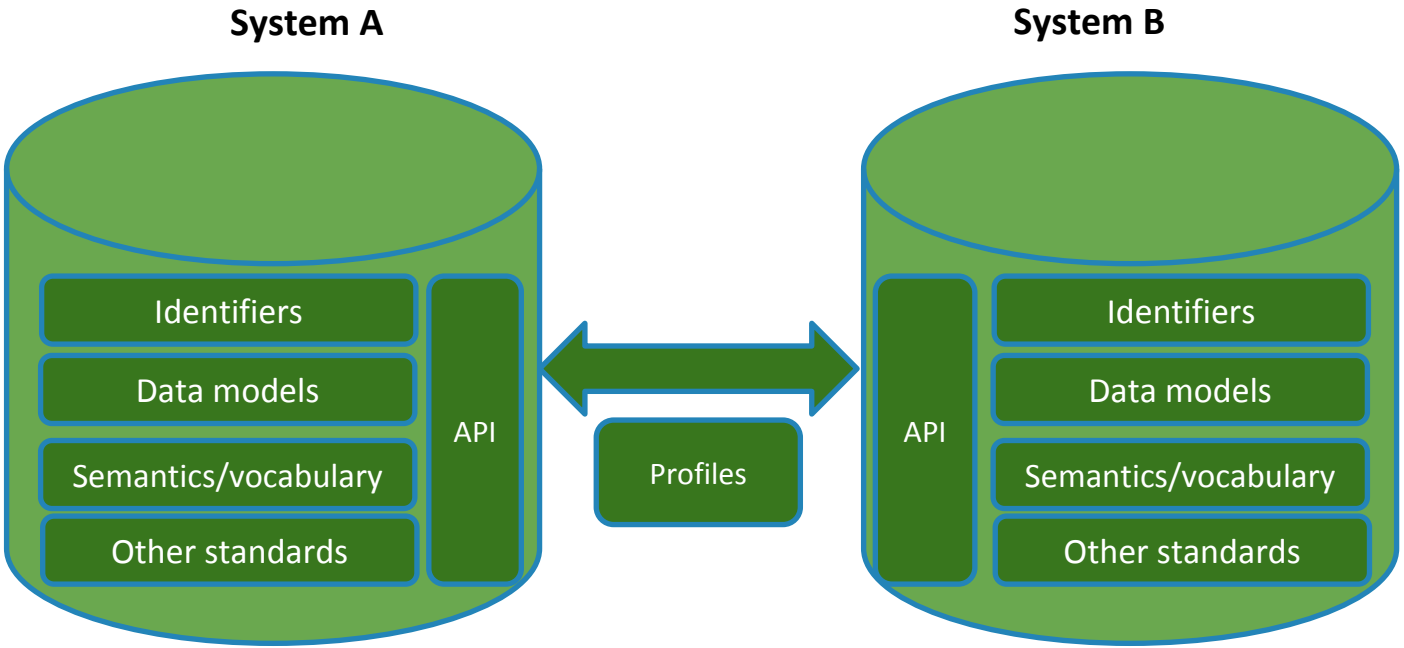
Why

How

What

Interoperability

Como ?

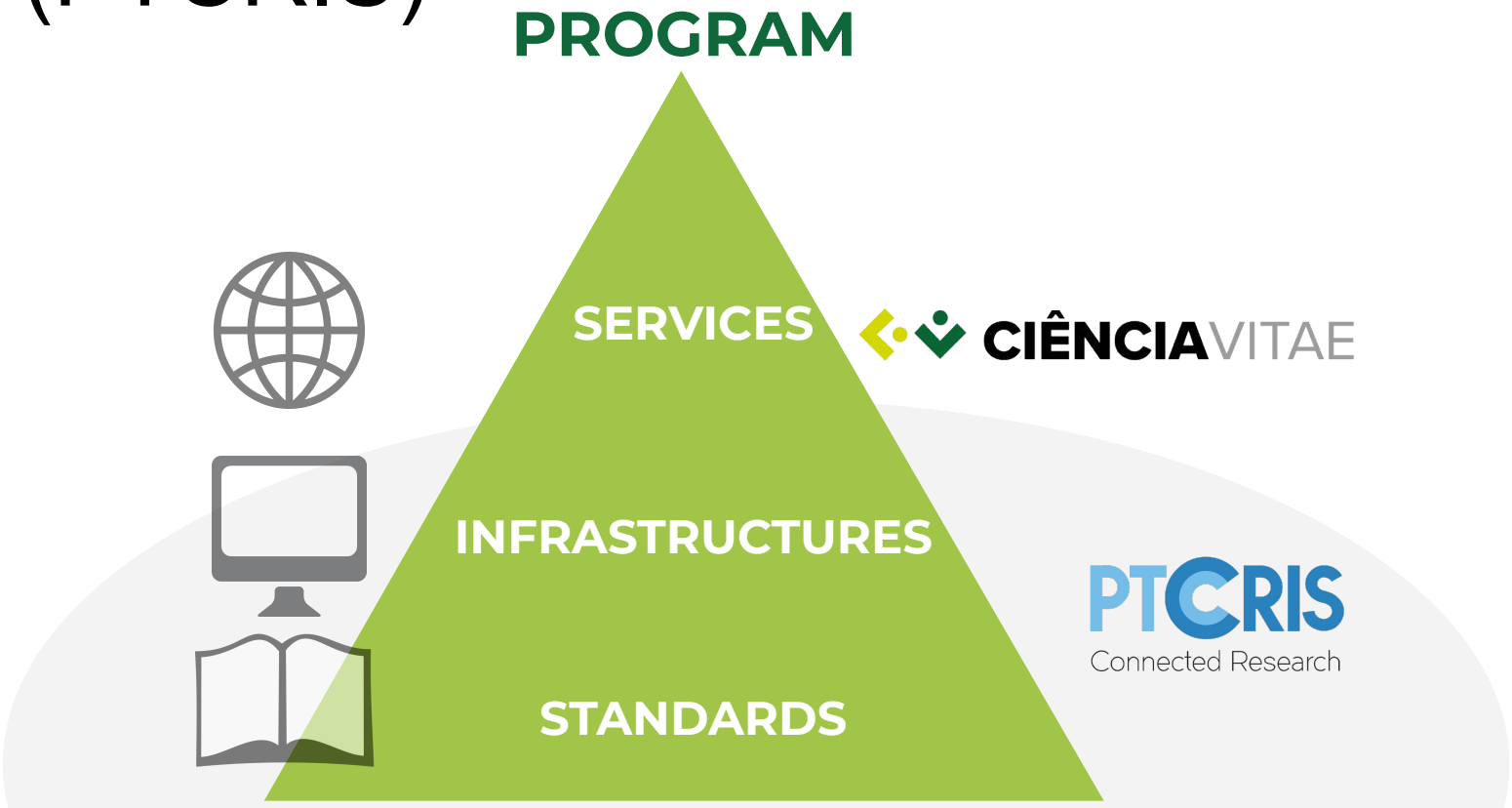


Governmental Program

How?

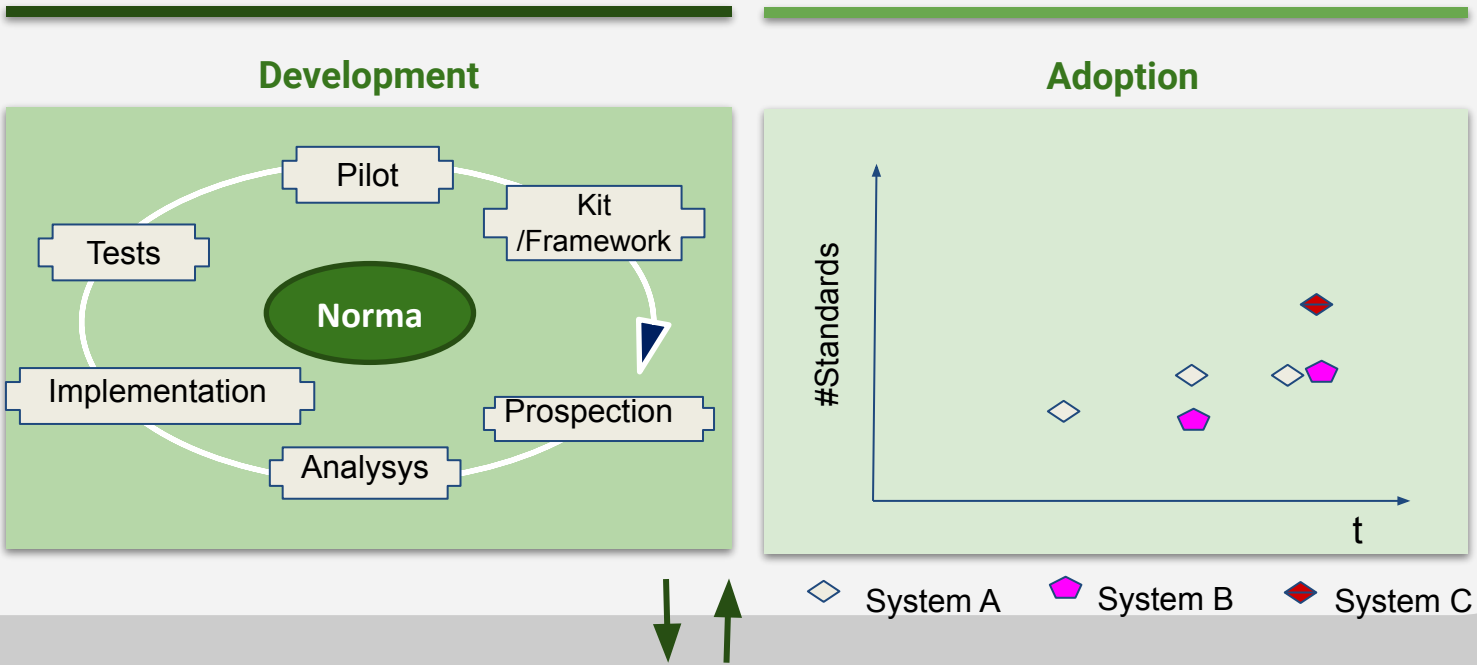
Standards and Infrastructures (PTCRIS)

How?



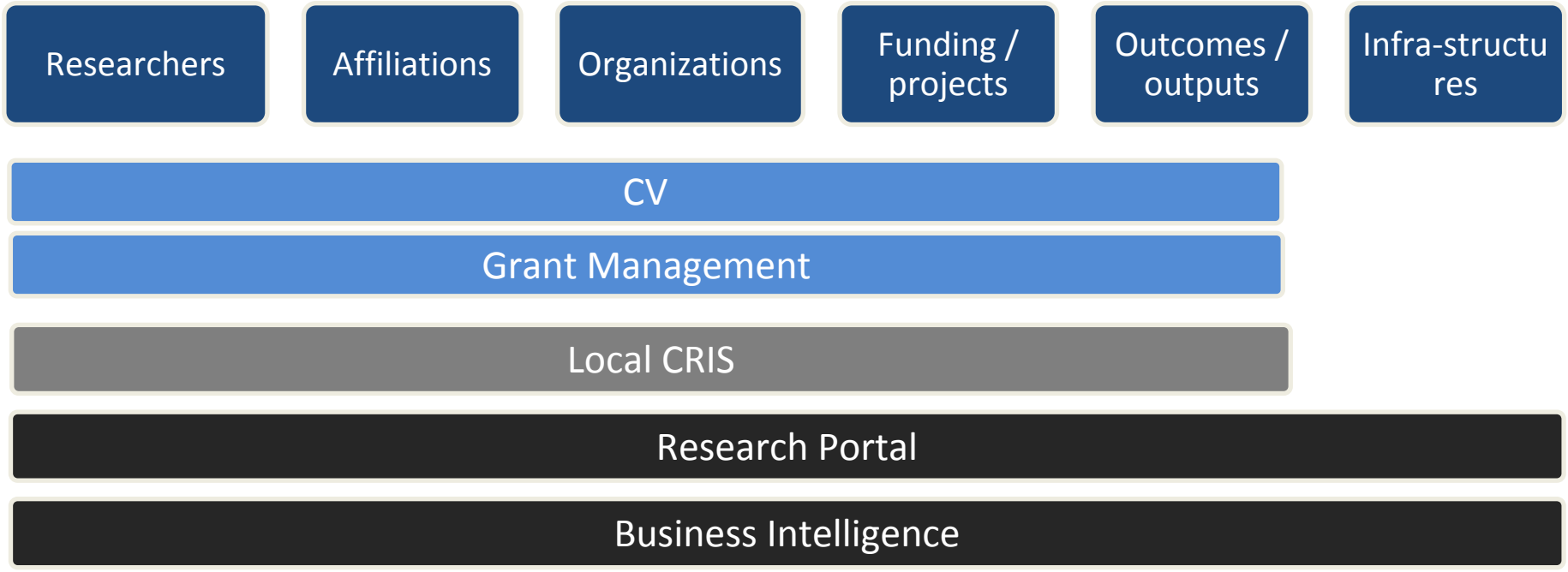
PTCRIS: Regulatory framework

Como ?



National ecosystem of science and technology

Ecosystem of Science and Technology



SoS = System Systems = ecosystem

Agenda

Why

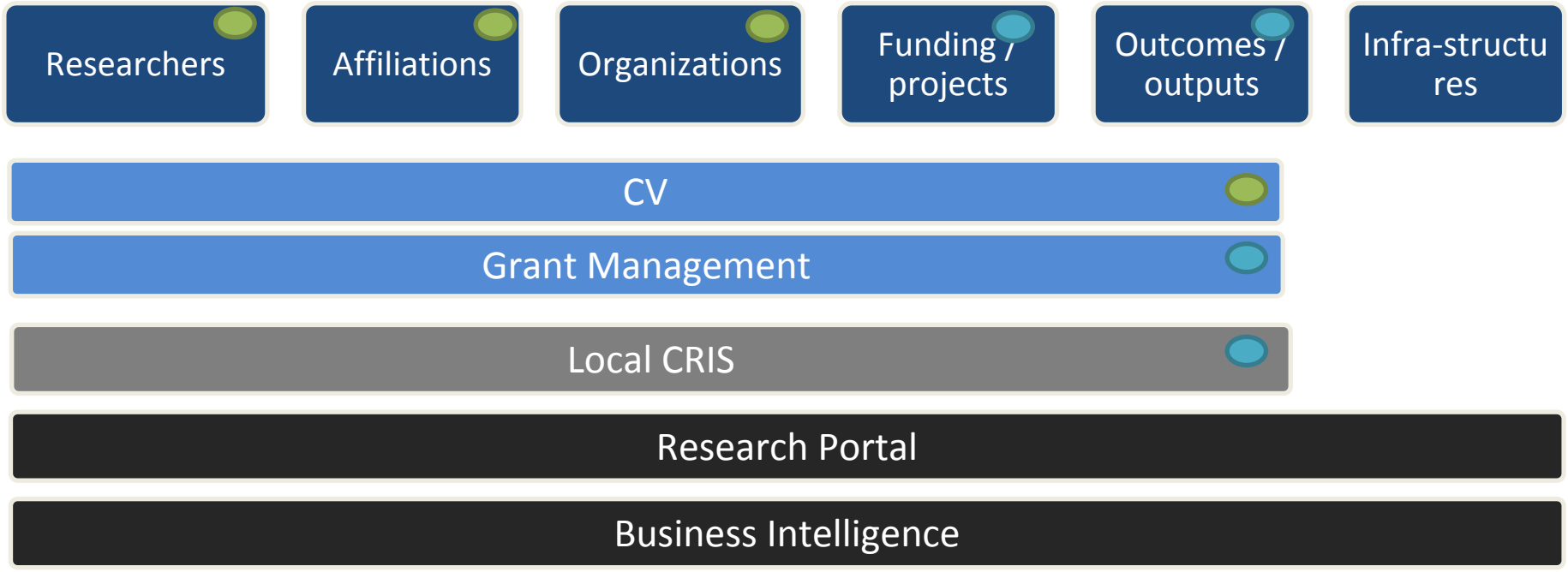
How

What

PTCRIS: Regulatory framework

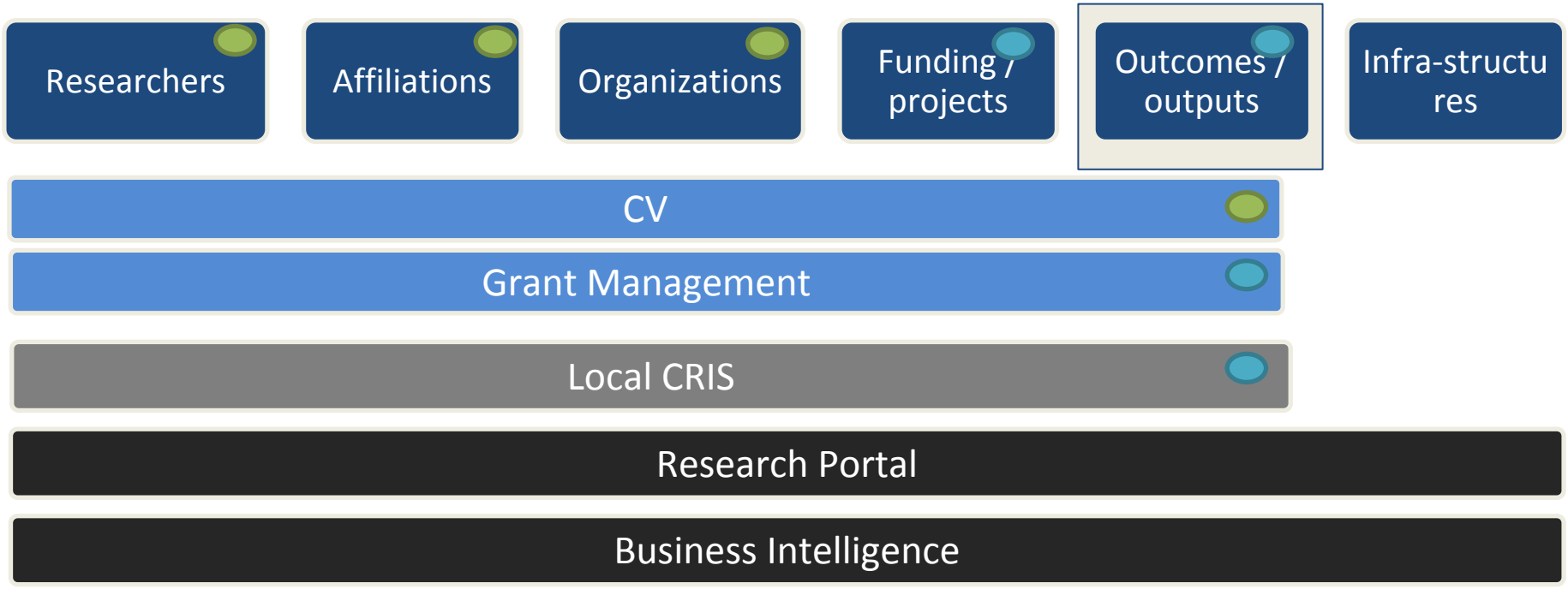
PIDs	Data Model	Semantics	Profiles
Ciência ID	CERIF	PTCRIS-CV	PTCRIS-CV
ORCID		COAR	OpenAIRE
ISNI Ringgold			
DEGREE			

Ecosystem of Science and Technology



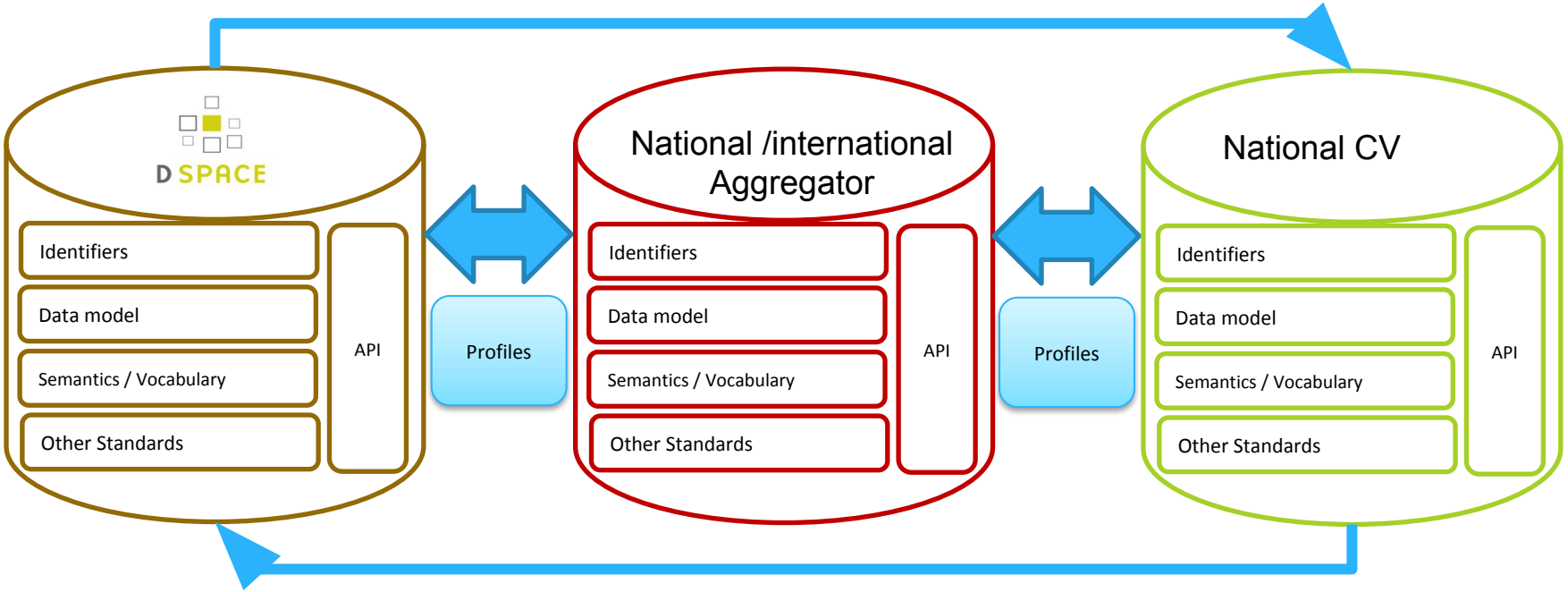
SoS = System Systems = ecosystem

Ecosystem of Science and Technology



SoS = System Systems = ecosystem

The research information management ecosystem and IR



Potential use Cases

1. CLAIM

User
Author
Works

2. DEPOSIT

Deposits on repositories from external systems (CRIS)

3. SYNC

Metadata sync across systems

4. AUTHORITY CONTROL

Authority control for CRIS entities (authors, organizations; funding)

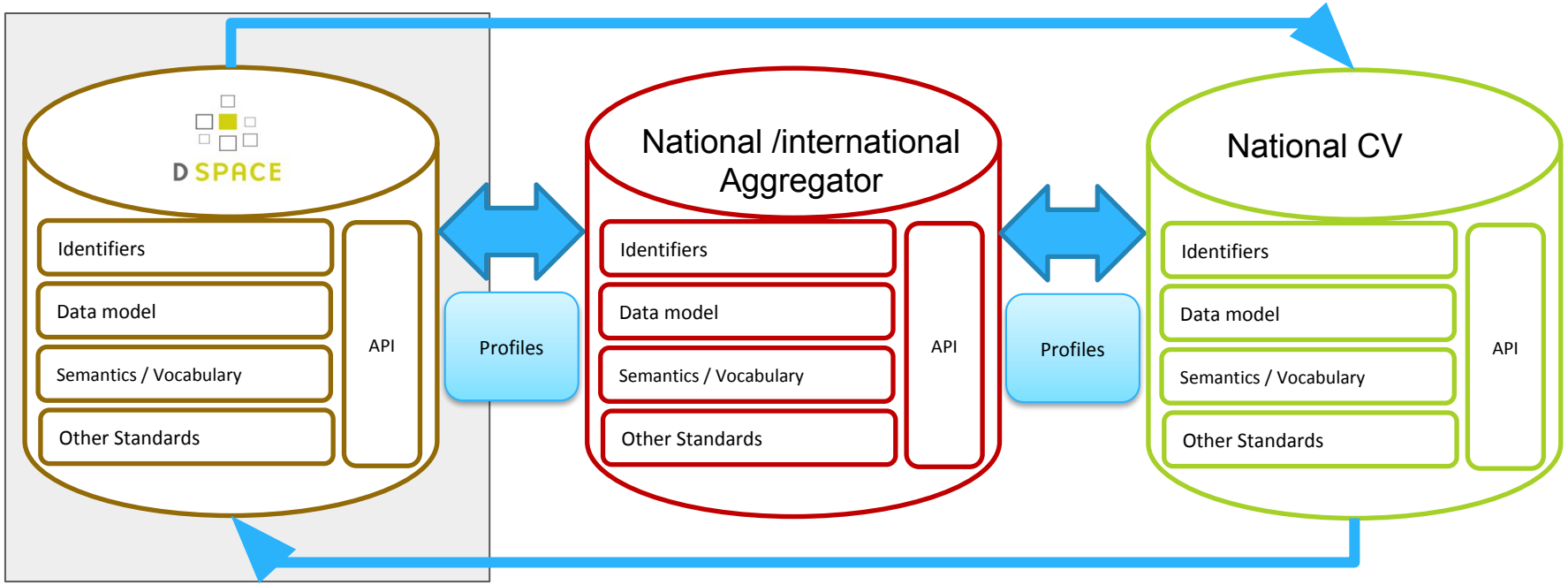
5. DATA CURATION

Data curation for new entities

Workshop Agenda

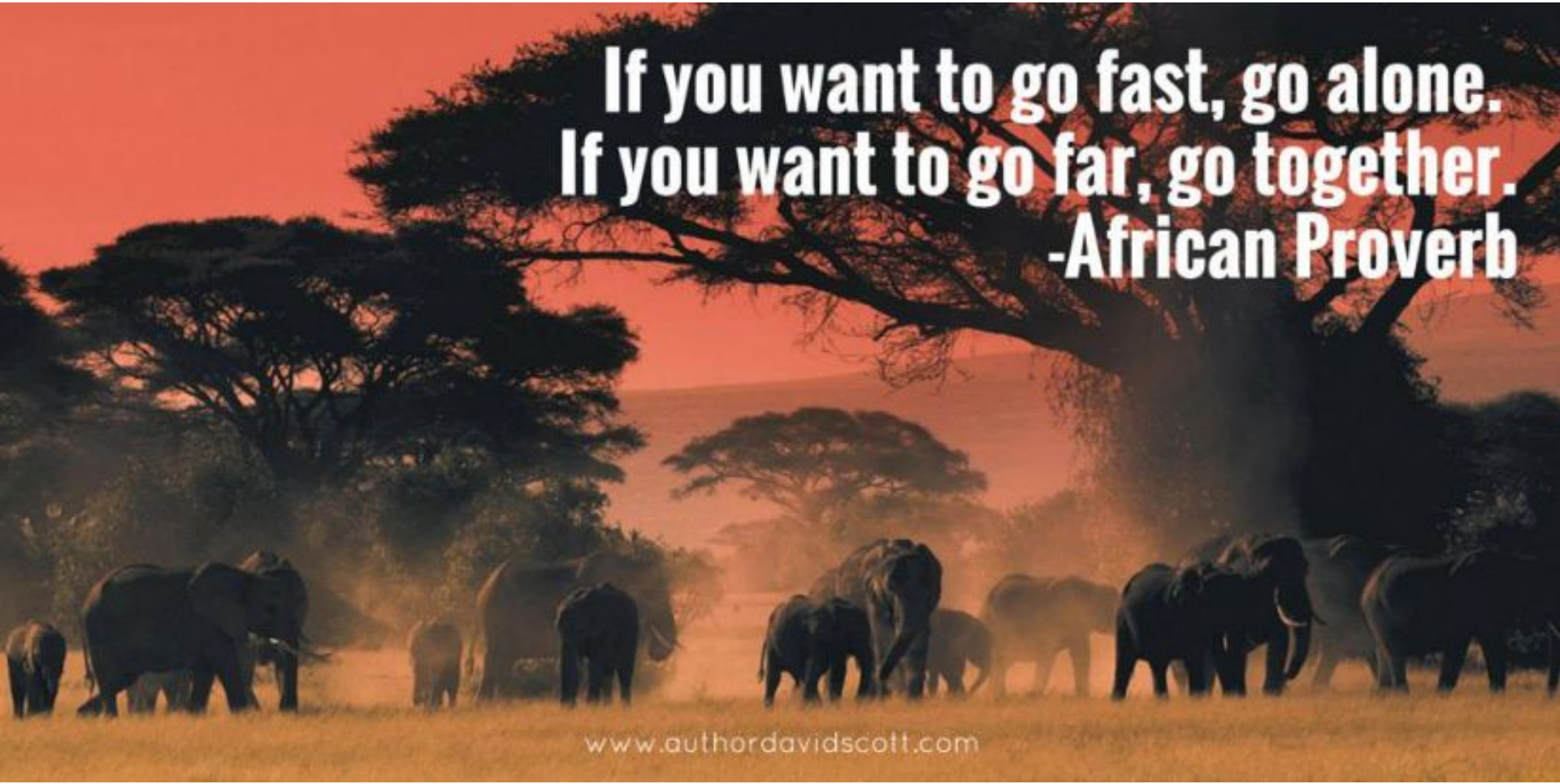
- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

The research information management ecosystem and IR

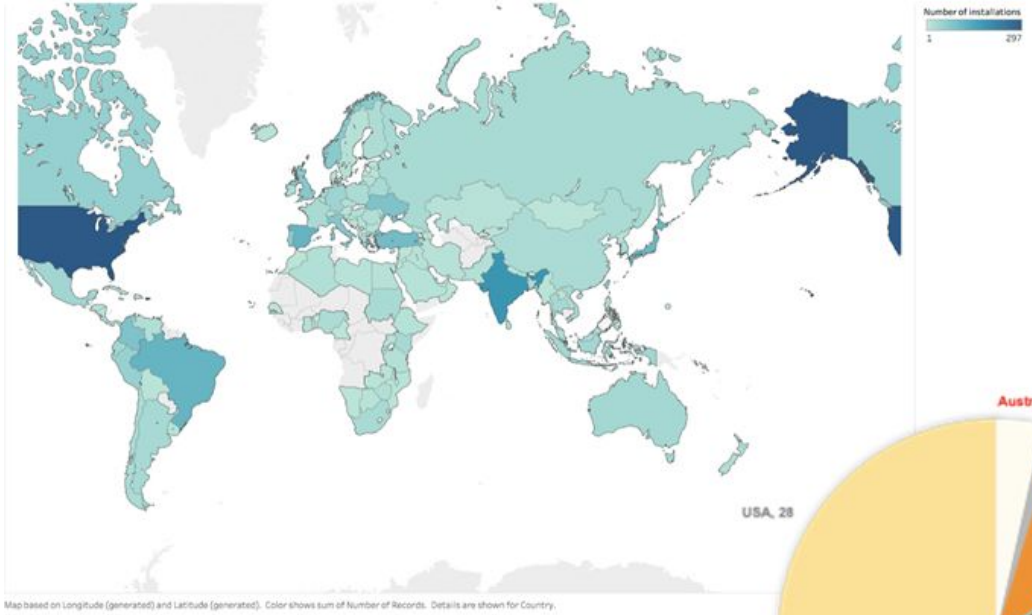


CIÊNCIA ID
isni
Ringgold
CERIF
OpenAIRE GUIDELINES 4.0

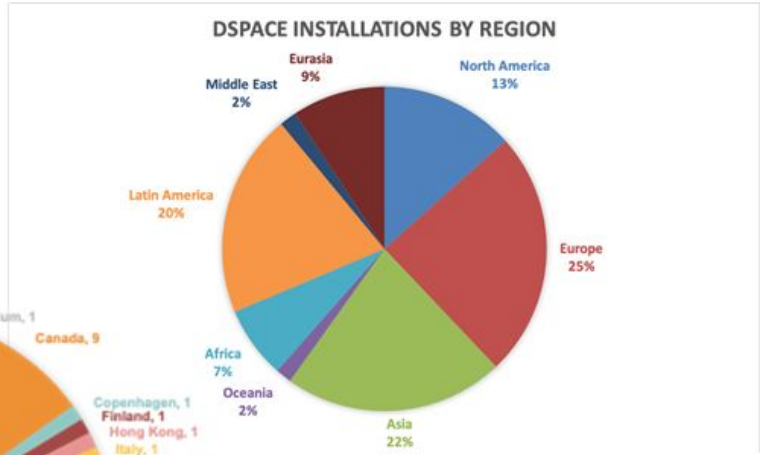
Implementation strategy: homegrown / base code

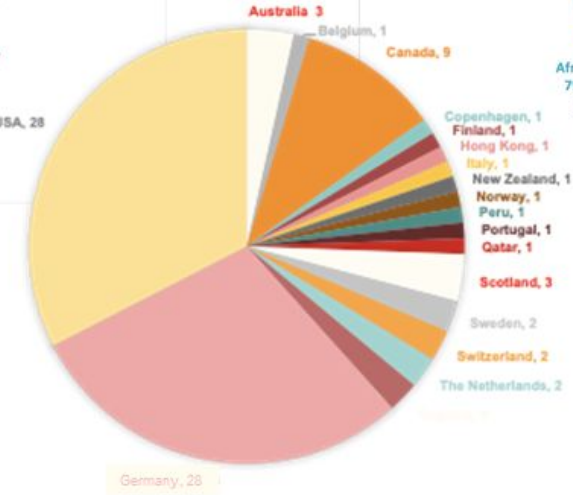

If you want to go fast, go alone.
If you want to go far, go together.
-African Proverb
www.authordavidscott.com

DSpace Community



What we know: 2445 installations in 122 different countries





*Based on the DuraSpace Registry

OpenAIRE partnership

Objective

The strategic partners will work together:

- To promote a gradual compliance of the DSpace with the OpenAIRE Literature Repository Guidelines v4.0
- To support assessment of research results by help of globally distributed and aggregated usage statistics
- To promote the realization of optimal repositories as described in the Next Generation Repository Technologies report by the COAR Working Group nationally \ and internationally
- To engage the respective communities and stakeholders in the partnership activities and to communicate the result of the partnership internationally

DURASPACE OpenAIRE

Memorandum of Understanding between DuraSpace and OpenAIRE

The purpose of this Memorandum of Understanding (MoU) is to establish and promote a strategic and cooperative partnership between DuraSpace and OpenAIRE.

MoU signed on September 25, 2018

Responsibilities

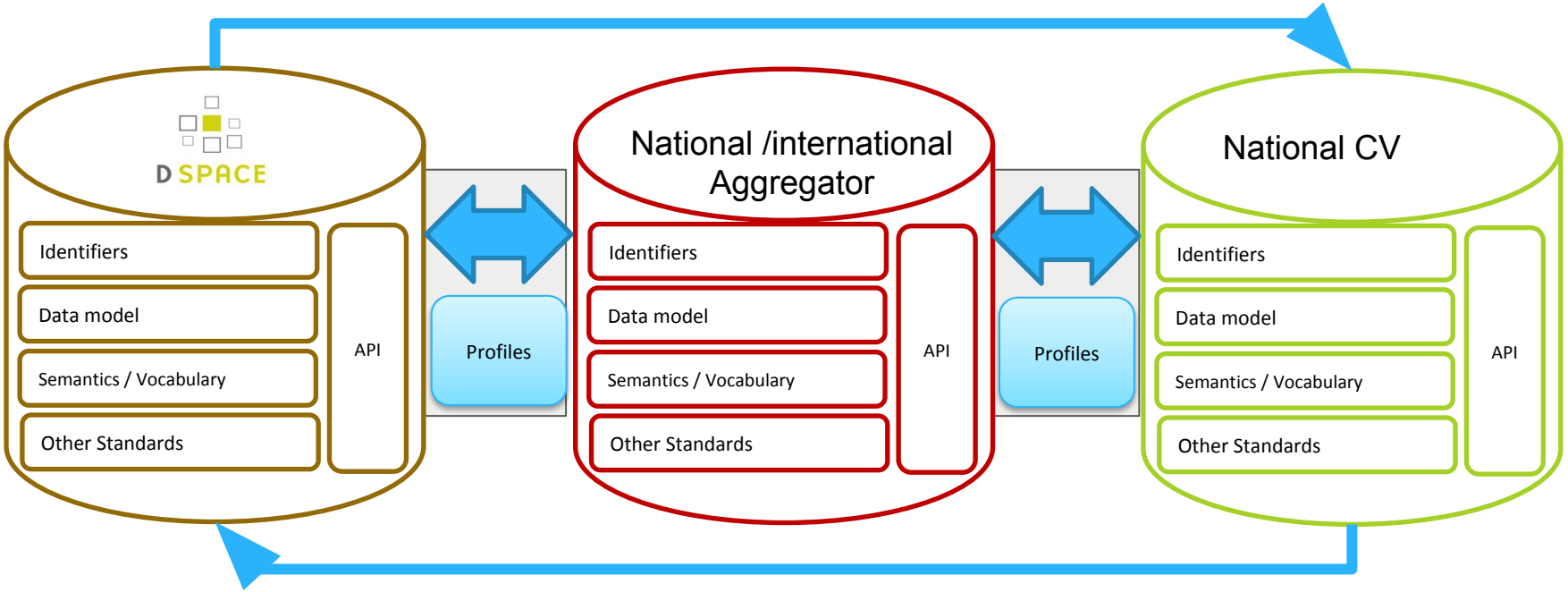
In order to achieve the above mentioned objectives, both partners agree on the following concrete actions for collaboration:

- There will be a joint working group in order to facilitate the collaboration and to identify together functionalities and implementations. Examples are:
  - Management of entities such as Author, Funding (and possibly Organization);
  - Expose and exchange data via the OpenAIRE metadata format, in community used protocols (e.g., OAI-PMH, ResourceSync;)
- The Working Group will define a development roadmap that will be proposed to the DSpace Governance (Steering and Leadership Group) and the OpenAIRE Steering Committee and will include responsibilities and tasks accordingly; If approved by both Governance bodies, the partners agree to work on those new implementations and functionalities within the DSpace 7 release activities.
- Partners will coordinate communications activities related to the execution of the MoU and the activities and results of the Working Group
- The partners will promote the outcomes of the joint working group to strengthen the participation and engagement of the community members.

Workshop Agenda

- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

The research information management ecosystem and IR

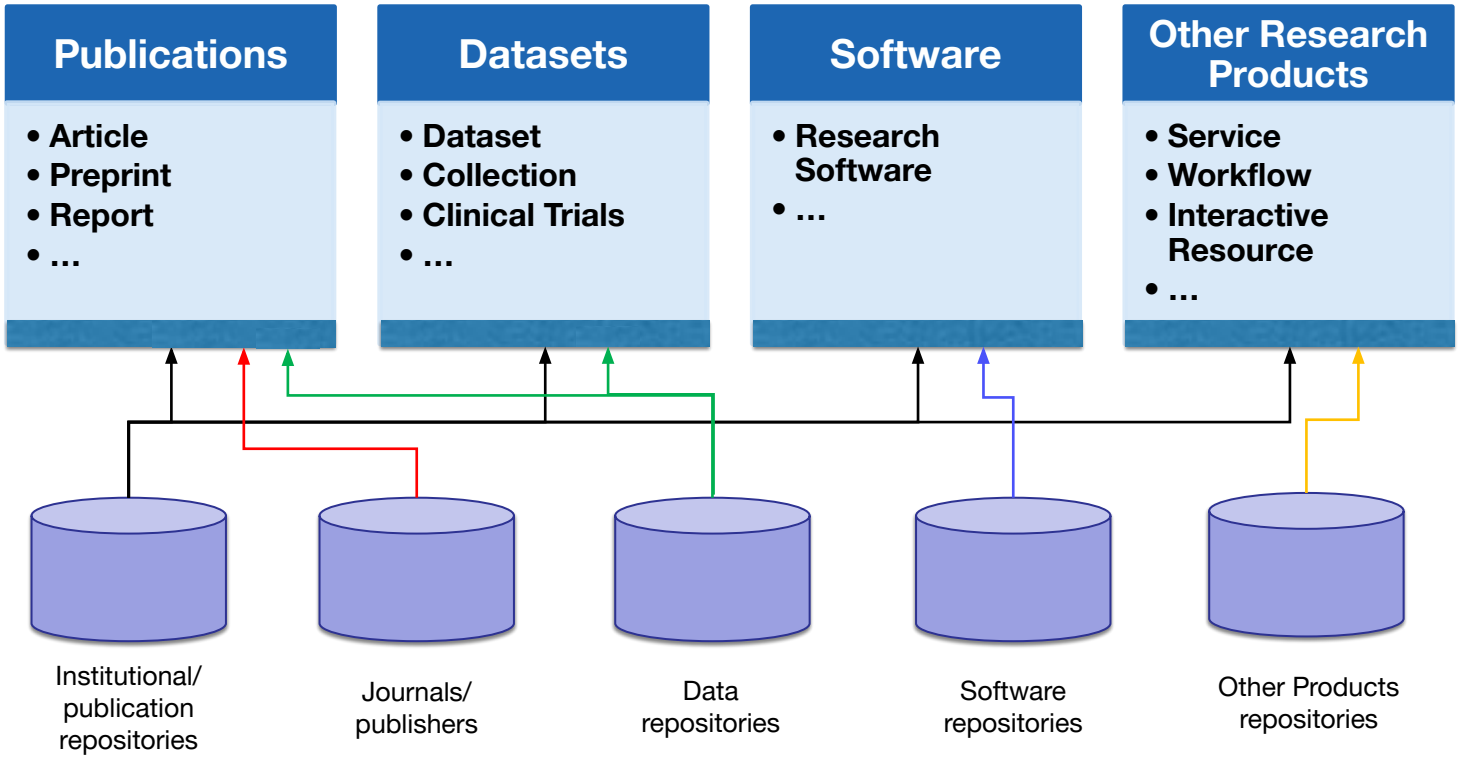


OpenAIRE Guidelines For Literature Repository Managers

- A tool to define and implement local data management policies.
- They meet the requirements of OpenAIRE - Open Access Infrastructure for Research in Europe and the Open Access strategy of the European Commission.
- A guide to expose open access and non-open access publications together with funding information.
- Authors interact with OpenAIRE infrastructure.

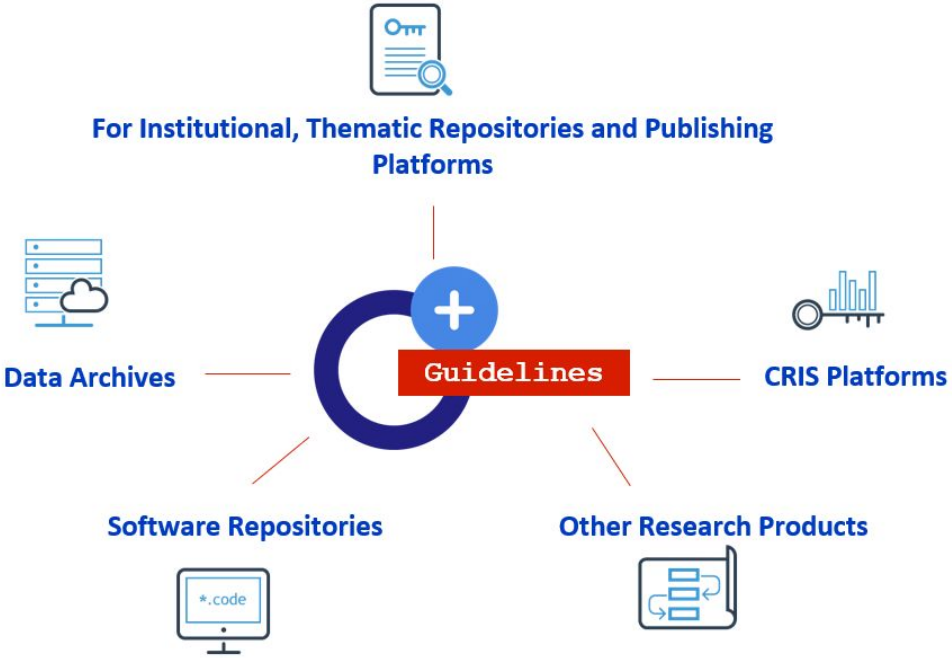
OpenAIRE

Goal 1: Diverse Types of Research Results



OpenAIRE

OpenAIRE‘s Guidelines for Open Science Content Providers



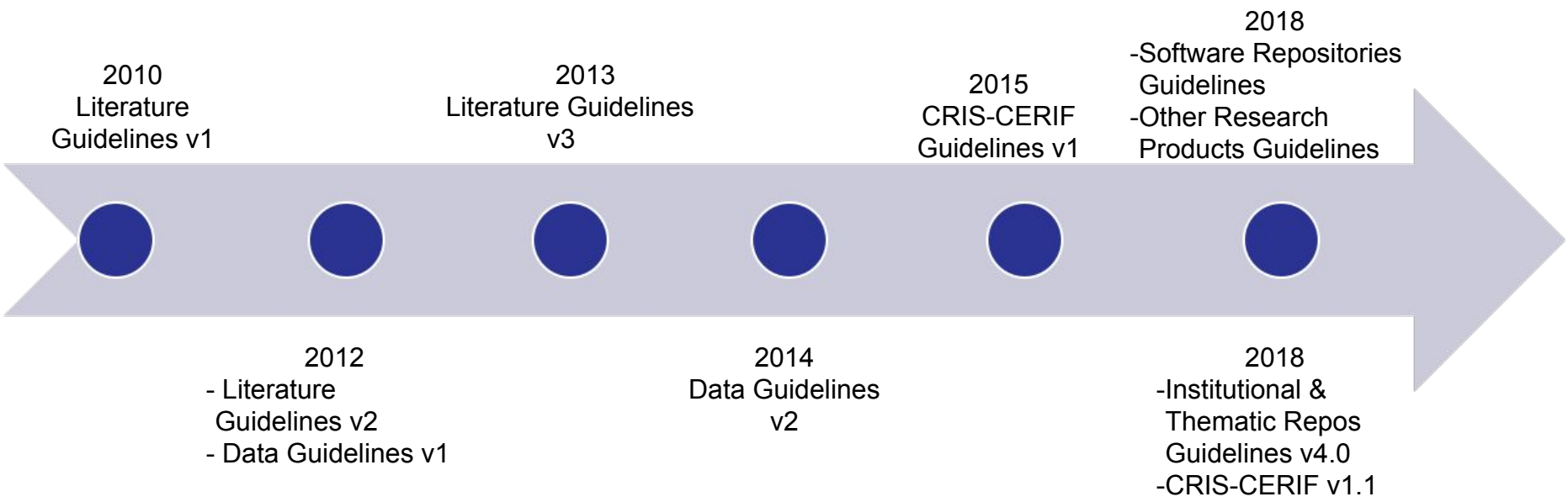
https://guidelines.openaire.eu

Goal 2: Metadata Enrichment

Goal	Metadata Groups
Discovery and Citability	Descriptive metadata
Accessibility and Reuse	Access Rights, License Conditions
Contextualization	Research Project, Linked Research Artifacts
Interoperability	**Identifier for Entities, Controlled Vocabularies**
Reporting	Funding Reference
TDM	File Location, License Conditions

OpenAIRE

Evolution of OpenAIRE Guidelines



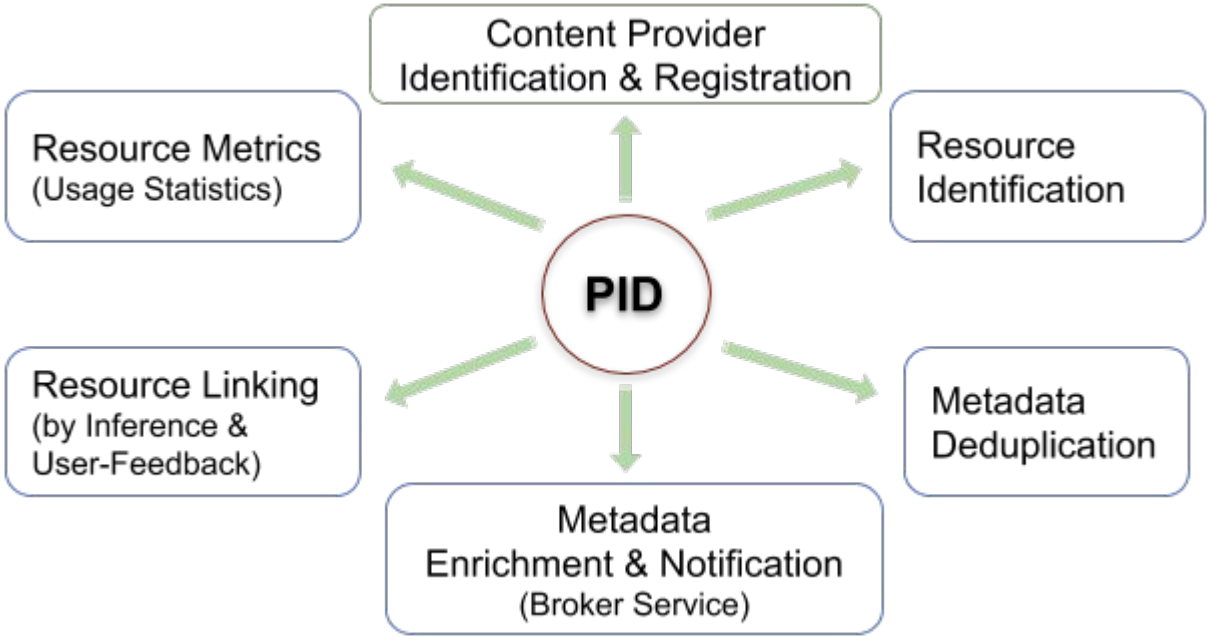
What's new

- Application profile and metadata schema based on Dublin Core & DataCite metadata.
- Require a new OAI metadata prefix "oai_openaire".
- Supports various identifier schemes for entities like authors, organisations, funders, scholarly resources.
- Introduction of COAR Controlled vocabularies (access rights, resource types, version types).
- Compliance with OpenAIRE Content Acquisition Policy (published on Oct 2018).

Metadata describing Open Access and non-Open Access material will be included and links to other products will be resolved where this is possible (i.e. the provided PIDs have a resolver).

as stated in the Content Acquisition Policy

Role of PIDs in OpenAIRE



OpenAIRE Guidelines for Literature Repository Managers v4.0

- Based on established standards: Dublin Core and DataCite metadata scheme
- For description of textual and data publications
- Application Profile
- Controlled Vocabularies aligned with the other OpenAIRE Guidelines

http://dx.doi.org/10.5281/zenodo.1299203
(Released Nov-2018)

OpenAIRE-Field	Metadata Element	Refinement by Vocabulary
Title (M)	datacite:title	title type
Creator (M)	datacite:creator	name type
Contributor (MA)	datacite:contributor	name type contributor type
Funding Reference (MA)	oaire:fundingReference	funderIdentifier type
Alternate Identifier (R)	datacite:alternateIdentifier	alternateIdentifier type
Related Identifier (R)	datacite:relatedIdentifier	relatedIdentifier type relation type resourcetype general
Embargo Period Date (MA)	datacite:date	date type
Language (MA)	dc:language	IETF BCP 47, ISO 639-3
Publisher (MA)	dc:publisher	
Publication Date (M)	datacite:date	date type
Resource Type (M)	oaire:resourceType	COAR Resource Type Vocabulary
Description (MA)	dc:description	
Format (R)	dc:format	
Resource Identifier (M)	datacite:identifier	identifier type
Access Rights (M)	datacite:rights	COAR Access Right Vocabulary
Source (R)	dc:source	
Subject (MA)	datacite:subject	
License Condition (R)	oaire:licenseCondition	
Coverage (R)	dc:coverage	
Size (O)	datacite:size	
Geo Location (O)	datacite:geoLocation	
Resource Version (R)	oaire:version	COAR Version Vocabulary
File Location (MA)	oaire:file	
Citation Title (R)	oaire:citationTitle	
Citation Volume (R)	oaire:citationVolume	
Citation Issue (R)	oaire:citationIssue	
Citation Start Page (R)	oaire:citationStartPage	
Citation End Page (R)	oaire:citationEndPage	
Citation Edition (R)	oaire:citationEdition	
Citation Conference Place (R)	oaire:citationConferencePlace	
Citation Conference Date (R)	oaire:citationConferenceDate	
Audience (O)	dcterms:audience	

Application Profile Properties

Requirement levels for the metadata properties:

- Mandatory (M): The property must always be present in the metadata. An empty value for the property is not allowed.
- Mandatory if Applicable (MA): When the property value can be obtained it must be present in the metadata
- Recommended (R): The use of the property is recommended
- Optional (O): It is not important whether the property is used or not, but if used it may provide complementary information about the resource

References

- Guidelines at https://openaire-guidelines-for-literature-repository-managers.readthedocs.io/en/v4.0.0/
- Schema and examples on github https://github.com/openaire/guidelines-literature-repositories

Discovery and Citability I

Property	Requirement level	Metadata Element
Creator	Mandatory	datacite:contributor
Description	Mandatory if applicable	dc:description
Subject	Mandatory if applicable	datacite:subject
Publisher	Mandatory if applicable	dc:publisher

```
<datacite:creator>
  <datacite:creatorName>Wallentin, Carl-Johan </datacite:creatorName>
   <datacite:nameIdentifier
       nameIdentifierScheme="ORCID"
       schemeURI="http://orcid.org">
        http://orcid.org/0000-0003-1983-9378
   </datacite:nameIdentifier>
</datacite:creator>
```

Discovery and Citability II

Property	Requirement level	Metadata Element
Source	Recommended	dc:source
Coverage	Recommended	dc:coverage
Audience		
GeoLocation	Optional	datacite:geoLocation
Resource V		
Citation Title	Recommended	oaire:citationTitle
Citation Volume	Recommended	oaire:citationVolume
Citation Issue	Recommended	oaire:citationIssue
Citation Start Page	Recommended	oaire:citationStartPage
Citation End Page	Recommended	oaire:citationEndPage
Citation Edition	Recommended	oaire:citationEdition

<oaire:citationTitle>some Journal Title</oaire:citationTitle>

<oaire:citationVolume>10</oaire:citationVolume>

Accessibility and Reuse

Property	Requirement level	Metadata Element
Access Rights	Mandatory / Controlled	datacite:rights
License Condition	Recommended	oaire:licenseCondition

<oaire:licenseCondition startDate="2019-02-01" uri="http://creativecommons.org/licenses/by-nc/4.0/”>Creative Commons Attribution-NonCommercial</oaire:licenseCondition>

OpenAIRE

Reporting (to Funders)

Property	Requirement level	Metadata Element
Funding Reference	Mandatory if applicable	oaire:fundingReference
Embargo Period Date	Mandatory if applicable	datacite:date

<oaire:fundingReferences> <oaire:fundingReference>
<oaire:funderName>European Commission</datacite:funderName>
<oaire:funderIdentifier funderIdentifierType="Crossref Funder ID">http://doi.org/10.13039/100010661</oaire:funderIdentifier>
<oaire:fundingStream>Horizon 2020 Framework Programme</oaire:fundingStream>
<oaire:awardNumber awardURI="http://cordis.europa.eu/project/rcn/194062_en.html">643410</oaire:awardNumber><oaire:awardTitle>Open Access Infrastructure for Research in Europe 2020</oaire:awardTitle> </oaire:fundingReference></oaire:fundingReferences>

Interoperability

Property	Requirement level	Metadata Element
Format	Recommended	dc:format
Alternate Identifier	Recommended	datacite:alternateIdentifier
Related Identifier	Recommended	datacite:relatedIdentifier

```
<datacite:alternateIdentifiers>
        <datacite:alternateIdentifier alternateIdentifierType="URL">http://someUrl</datacite:alternateIdentifier>
</datacite:alternateIdentifiers>
```

OpenAIRE

TDM and Download

Property	Requirement level	Metadata Element
File Location	Mandatory if applicable	oaire:file
Size	Optional	datacite:size
Related Identifier	Recommended	datacite:relatedIdentifier

```
<oaire:file accessRightsURI="http://purl.org/coar/access_right/c_abf2"
mimeType="application/pdf" objectType="fulltext">http://link-to-the-fulltext.org
</oaire:file>
```

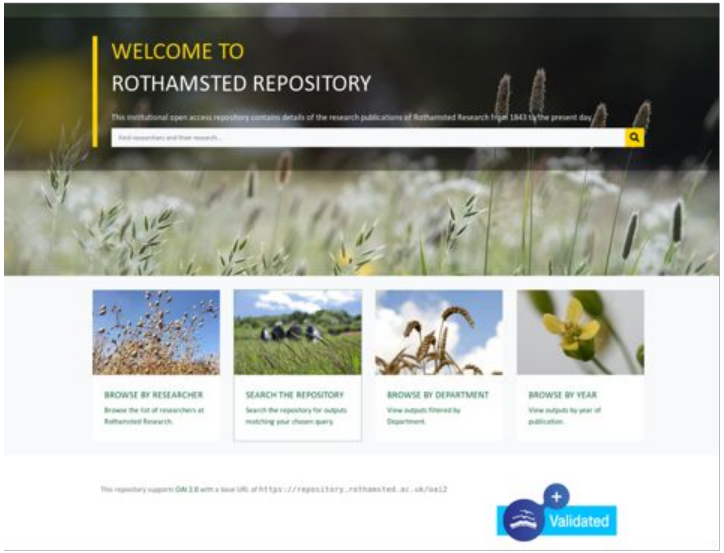
Roll out of OpenAIRE Guidelines

When	Purpose	What	Who
12-2018	Communication	Release, Newsletter, Blogpost	Guidelines-Team
04-2019	Training: purposes of the guidelines; how to disseminate to repo-managers; collect feedback from repo-managers	Webinar for NOADs	UNIBI
04-2019	Support material	Guide / Factsheet / FAQs for Repository Managers per type of Guidelines	UMINHO, UNIBI
04/05-2019	Training & support for implementation	Individual meetings with platform developers	Guidelines-Team, NOADs
05/06-2019 …	Training & configuration & practical aspects	Repository Managers	Guidelines-Team, NOADs
03/04-2019	Implementation	Update Validator / Aggregator	Tech-Team
06-2019	Implementation / discuss at Open Repositories Conference	Guidelines supported in Repository Platforms	Guidelines-Team and Platform Developers

Implementation in Repositories

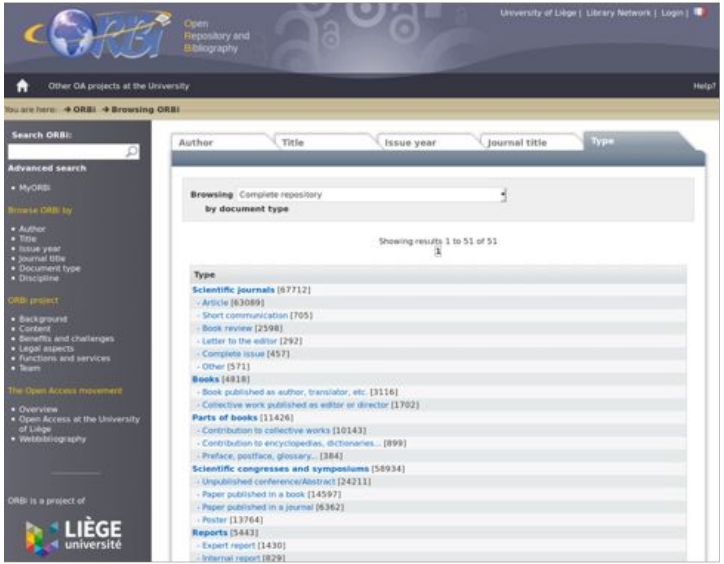
Software	Supported Version	Status	Comments
DSpace	7 (in prep.) 5 & 6 (in test)	In preparation - DSpace OpenAIRE 4.0 WG Implementations by PT repos RCAAP for v.5	70 days effort (WG timeline plans) Documentation will be available ASAP
EPrints	All	Contacted	May need funding via Jisc or OpenAIRE
Invenio / zenodo		On their roadmap	
Islandora		Contacted	
Librecat		Contacted	
OPUS	4 (in prod.)	Contacted	
MyCoRe		Contacted	
HAL		Contacted	May have very limited resources

Adoption: Haplo: work in progress




```
<OAI-PMH xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/ http://www.openarchives.org/OAI
  <responseDate>2019-06-10T05:10:43.510</responseDate>
  <request verb="GetRecord">https://repository.rothamsted.ac.uk/oai2</request>
  <GetRecord>
    <record>
    ▸ <header>
      <metadata xmlns:oaire="http://namespace.openaire.eu/schema/oaire/" xsi:schemaLocation="http://namespace.openaire.eu/schema/oaire/ https://www.op
        <oaire:resource xmlns:datacite="http://datacite.org/schema/kernel-4" xmlns:dc="http://purl.org/dc/elements/1.1/" xsi:schemaLocation="http://na
          <oaire:resourceType resourceTypeGeneral="literature" uri="http://purl.org/coar/resource_type/c_6501">journal article</oaire:resourceType>
          <oaire:citationTitle>PANS Pest Articles & News Summaries</oaire:citationTitle>
          <oaire:citationVolume>18</oaire:citationVolume>
          <oaire:citationIssue>2</oaire:citationIssue>
          <oaire:citationStartPage>186</oaire:citationStartPage>
          <oaire:citationEndPage>191</oaire:citationEndPage>
          <datacite:title>
            The Assessment of Economic Losses in Yield of Annual Crops Caused by Pests, and the Problem of the Economic Threshold
          </datacite:title>
          <datacite:creators>
            <datacite:creator>
              <datacite:creatorName>Judenko, E.</datacite:creatorName>
            </datacite:creator>
          </datacite:creators>
          <datacite:dates>
            <datacite:date dateType="Issued">1972-01-01</datacite:date>
          </datacite:dates>
          <datacite:identifier identifierType="DOI">10.1080/09670877209413988</datacite:identifier>
          <datacite:rights rightsURI="http://purl.org/coar/access_right/c_abf2">open access</datacite:rights>
        </oaire:resource>
      </metadata>
    </record>
  </GetRecord>
</OAI-PMH>
```

Adoption: Dspace: work in progress




```
<OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/ http://www.openarchives.org/OAI/2.0/OAI-PMH
  <responseDate>2019-06-18T05:17:07Z</responseDate>
  <request verb="GetRecord" identifier="oai:orbi.ulg.ac.be:2268/179" metadataPrefix="oai_openaire">http://preprod.orbi.ulg.ac.be/oai/openaire</request>
  <GetRecord>
    <record>
      <header>
      <metadata>
        <oai_openaire xmlns:doc="http://www.lyncode.com/xoai" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:datacite="http://datacite.org/schema/kernel-4" xmlns:oaire="http://namespace.openaire
          <oaire:resourceType resourceTypeGeneral="literature" uri="http://purl.org/coar/resource_type/c_6501">journal article</oaire:resourceType>
          <datacite:rights rightsURI="http://purl.org/coar/access_right/c_abf2">open access</datacite:rights>
          <oaire:file accessRightsURI="http://purl.org/coar/access_right/c_abf2" objectType="fulltext" mimeType="application/pdf">https://orbi.uliege.be/bitstream/2268/179
          /1/Rev%20AIC%2098.pdf</oaire:file>
          <datacite:title xml:lang="fr">L'ensoleillement et la structure commerciale des places publiques au centre de Liège</datacite:title>
          <datacite:title xml:lang="fr" titleType="TranslatedTitlexsi:text-">Insolation and shops structure on public squares in downtown Liège</datacite:title>
          <datacite:creators>
          <datacite:contributors />
          <datacite:dates>
          <datacite:identifier identifierType="Handle">info:hdl:2268/179</datacite:identifier>
          <datacite:alternateIdentifiers />
          <dc:language>fr</dc:language>
          <datacite:relatedIdentifiers>
            <datacite:relatedIdentifier relationType="IsPartOf" relatedIdentifierType="PISSN">1140-0307</datacite:relatedIdentifier>
          </datacite:relatedIdentifiers>
          <datacite:subjects>
          <dcterms:audience xml:lang="en">Researchers</dcterms:audience>
          <dcterms:audience xml:lang="en">Behavioral Specialists</dcterms:audience>
          <dcterms:audience xml:lang="en">Students</dcterms:audience>
          <dc:description xml:lang="en">
            For many years, shop location has been studied at different scales from a socio-economical point of view. Sunshine, on the other hand, is a local phenomenon well-known especially for
            climatologists and architects. This case-based contribution shows the relationships existing between sunshine and shop location on squares.
          </dc:description>
          <dc:description xml:lang="fr">
            Depuis des années, la localisation des commerces a été étudiée à différentes échelles du point de vue socio-économique. L'ensoleillement quant à lui est un phénomène local bien connu de tout un
            chacun et en particulier des climatologues et architectes. Cette contribution, basée sur une étude de cas, montre l'existence de relations, sur les places publiques, entre la structure
            commerciale et l'ensoleillement.
          </dc:description>
          <oaire:citationTitle>Publications de l'Association Internationale de Climatologie</oaire:citationTitle>
          <oaire:citationStartPage>409-414</oaire:citationStartPage>
          <oaire:citationVolume>11</oaire:citationVolume>
        </oai_openaire>
      </metadata>
    </record>
  </GetRecord>
</OAI-PMH>
```

OpenAIRE Services

Service	What	When	Comments
Validator	Ruleset for Guidelines v4	In preparation	also required for Guidelines implementers
DataSource Registration & Update	Compatibility Level Metadata Format		
Aggregation	Transformation Rules	In preparation	

Acknowledgements & Contributors

- Jochen Schirrwagen (Bielefeld University, Germany)
- Miriam Baglioni (CNR, Italy)
- Pedro Principe (University of Minho, Portugal)
- Paolo Manghi (CNR, Italy)
- Aenne Loehden (Bielefeld University, Germany)
- Andreas Czerniak (Bielefeld University, Germany)
- Amelie Bäcker (Bielefeld University, Germany)

OpenAIRE

European Commission

Workshop Agenda

- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

ORCID partnership

June 2018 – **ORCID** and **DuraSpace** talked about a **collaboration** aiming at engaging the two **communities** to implement recommendations

June 2018 – **ORCID in Repositories Task Force** was launched. **15 members** from **12 countries** (on **6 continents**!) worked on reviewing and providing feedback on proposed recommendations for supporting ORCID in repository

October 2019 – The Task Force **unveiled a draft recommendations for public comment**

February 2019 - the Task Force has released its **Recommendations**

DSpace & ORCID in Repositories Recommendation

	DS6	DS7
Collecting ORCID iDs:	✗	✓
Via direct interaction with the author/contributor (related to authentication)	✓	✓
Via mediated deposit by administrator (pull in of ORCID IDs when submitting; searching through the ORCID ID)	✓	✓
Via bulk import by administrator	✓	✓
Displaying ORCID iDs (already in the XMLUI)	✓	✓

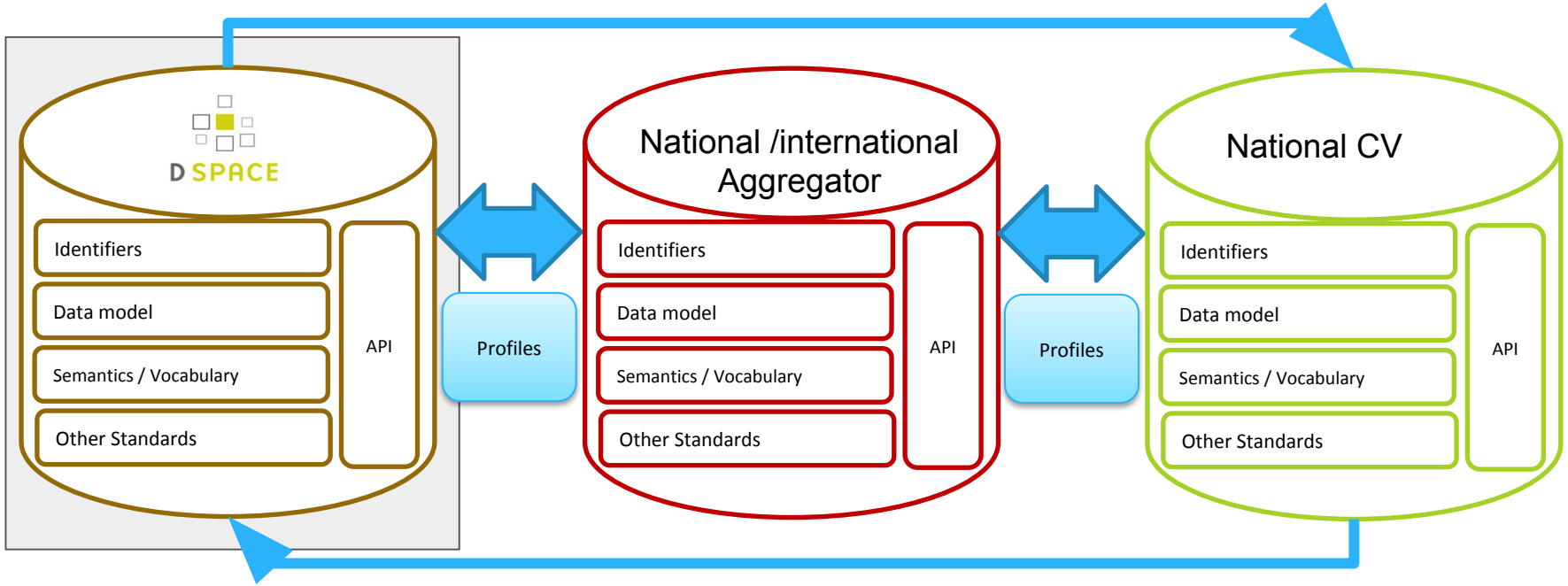
DSpace & ORCID in Repositories Recommendation

	DS6	DS7
Pushing information to ORCID (requires ORCID licence)	✗	✓
Administrative features:		
Configure which API to use	✓	✓
Provide an option for testing on the ORCID sandbox	✓	✓
Export a report of stored authenticated ORCID iDs, access tokens and/or ID tokens, and related data	✗	✓
Include authenticated ORCID IDs in exported records (JSON, CSV, RDF, etc.)	✓	✓
Include authenticated ORCID iDs in OAI-PMH output	✓	✓

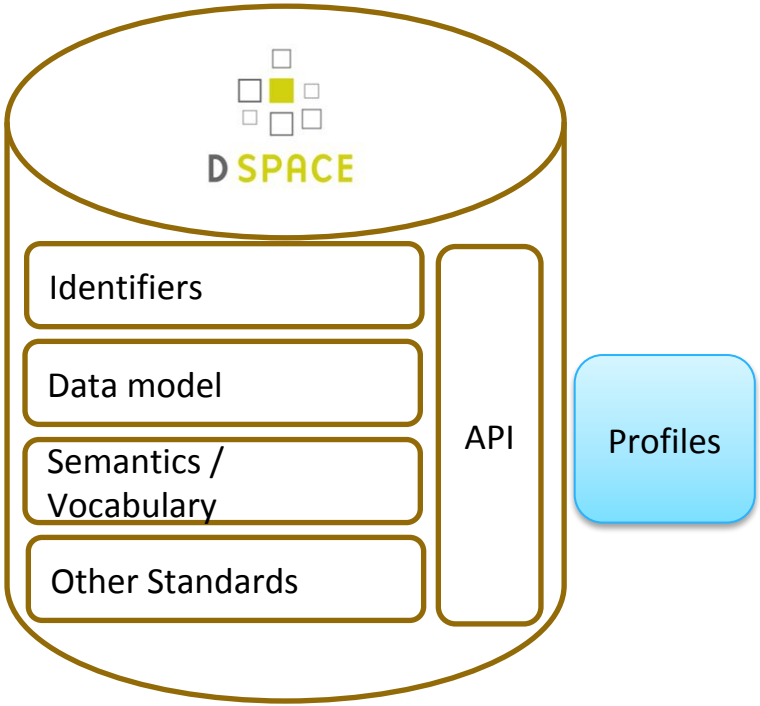
Workshop Agenda

- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

The research information management ecosystem and IR

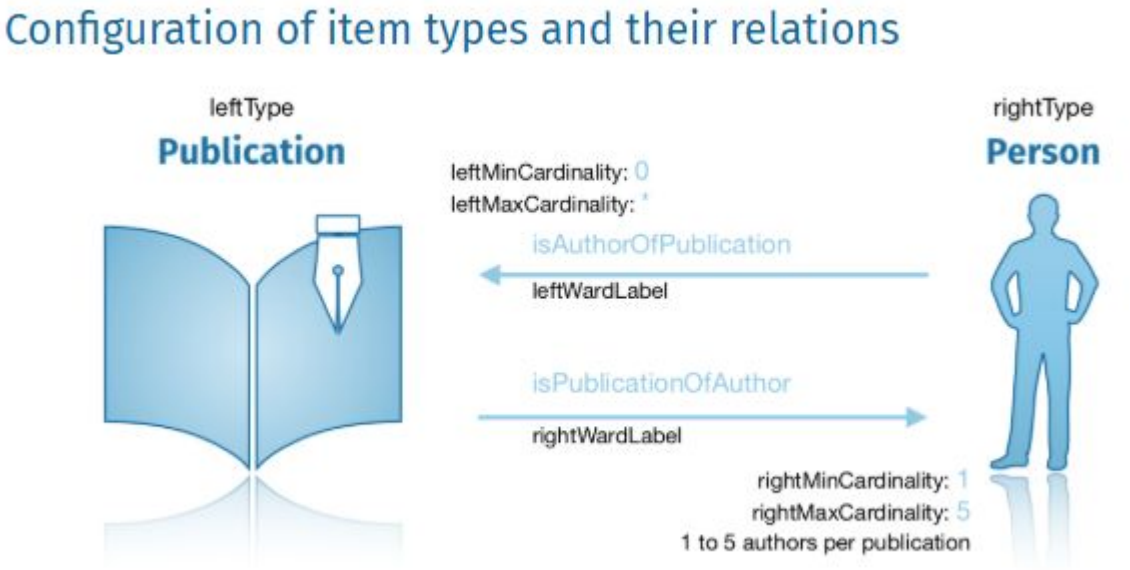


What to do to be compliant?



- Structural / Generic changes
  - Entities support
  - Submissions forms (Entities and their relations)
  - OAI-PMH
- Configuration / Specific
  - Specs for OpenAIRE Entities
  - Specs for forms
  - Specs for OAI-PMH

Work done / in progress - Entities in DSpace 7



In DSpace, an Entity is…

- An Item
- With a specific defined “type” (name)
- With relationship(s) to other Entities

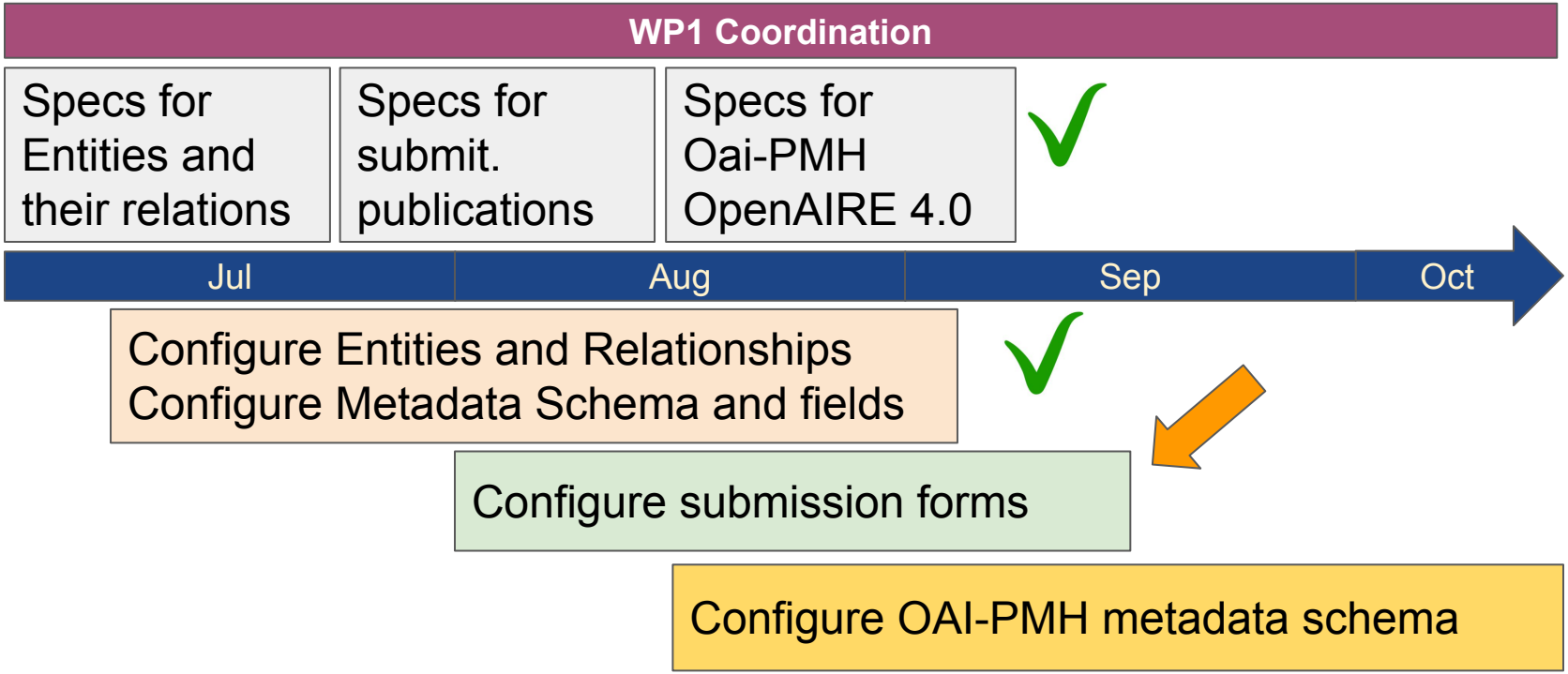
Work done / in progress - Entities in DSpace 7

The goal of this technical working group is to design and implement DSpace 7 Configurable Entities

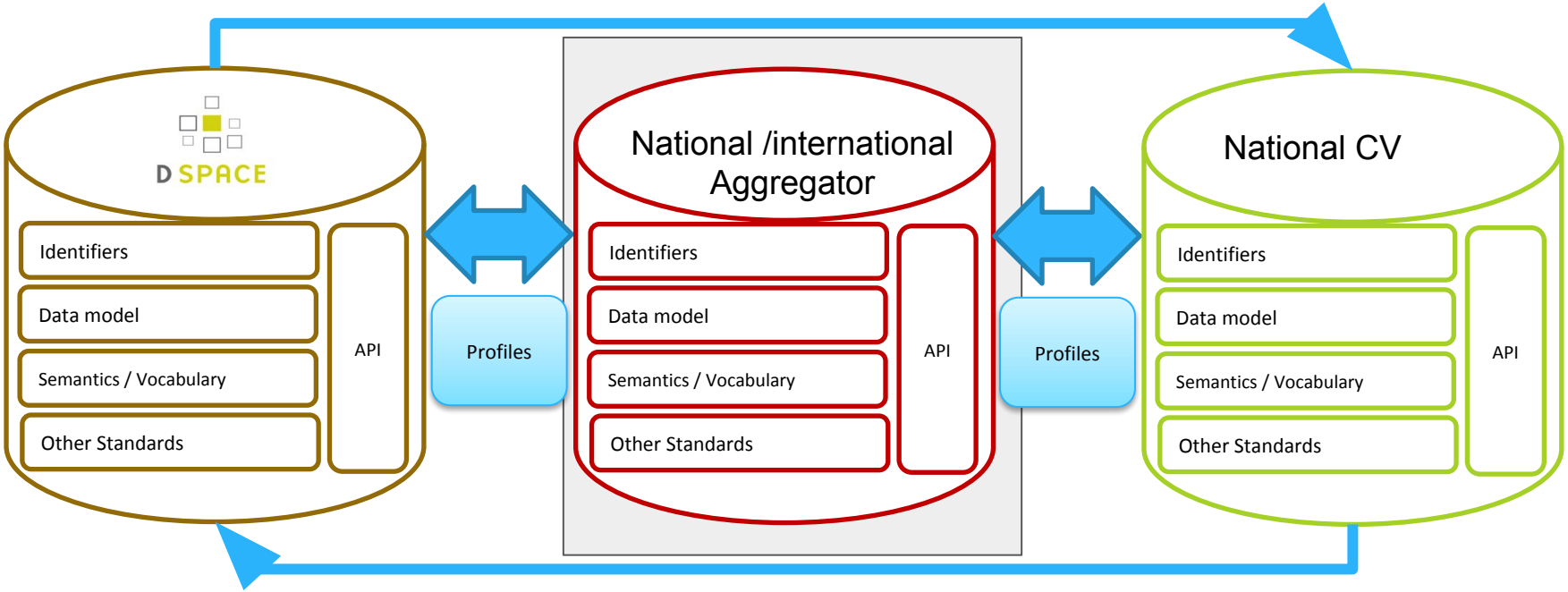
Work done / in progress - Entities in DSpace 7

Configuration of item types and their relations	✓
Creating the object model	✓
Database storage	✓
Java API	
DSpace 7 REST API	
DSpace 7 Angular UI	
Item display per item type	
Display of relations on item pages	

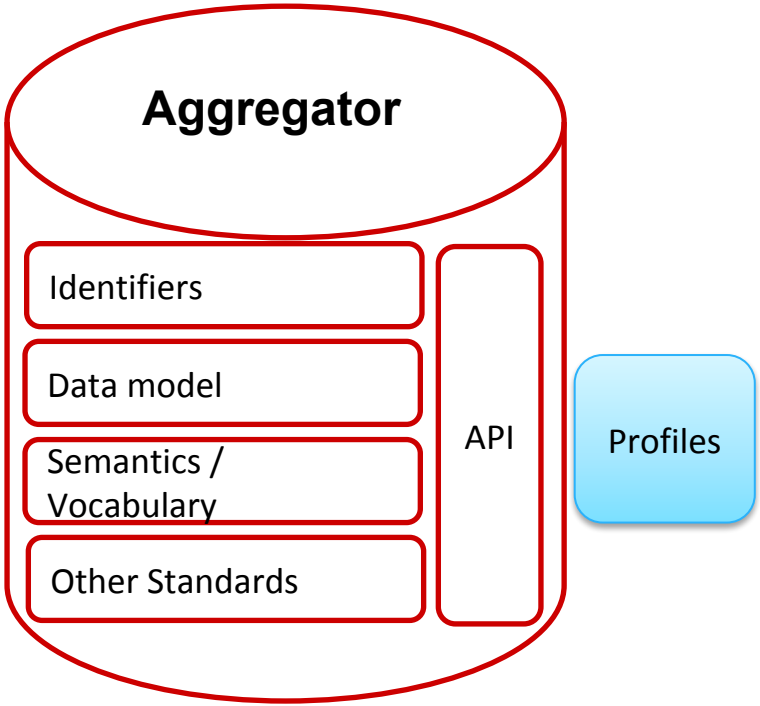
OpenAIRE 4 Configuration in DSpace 7



The research information management ecosystem and IR

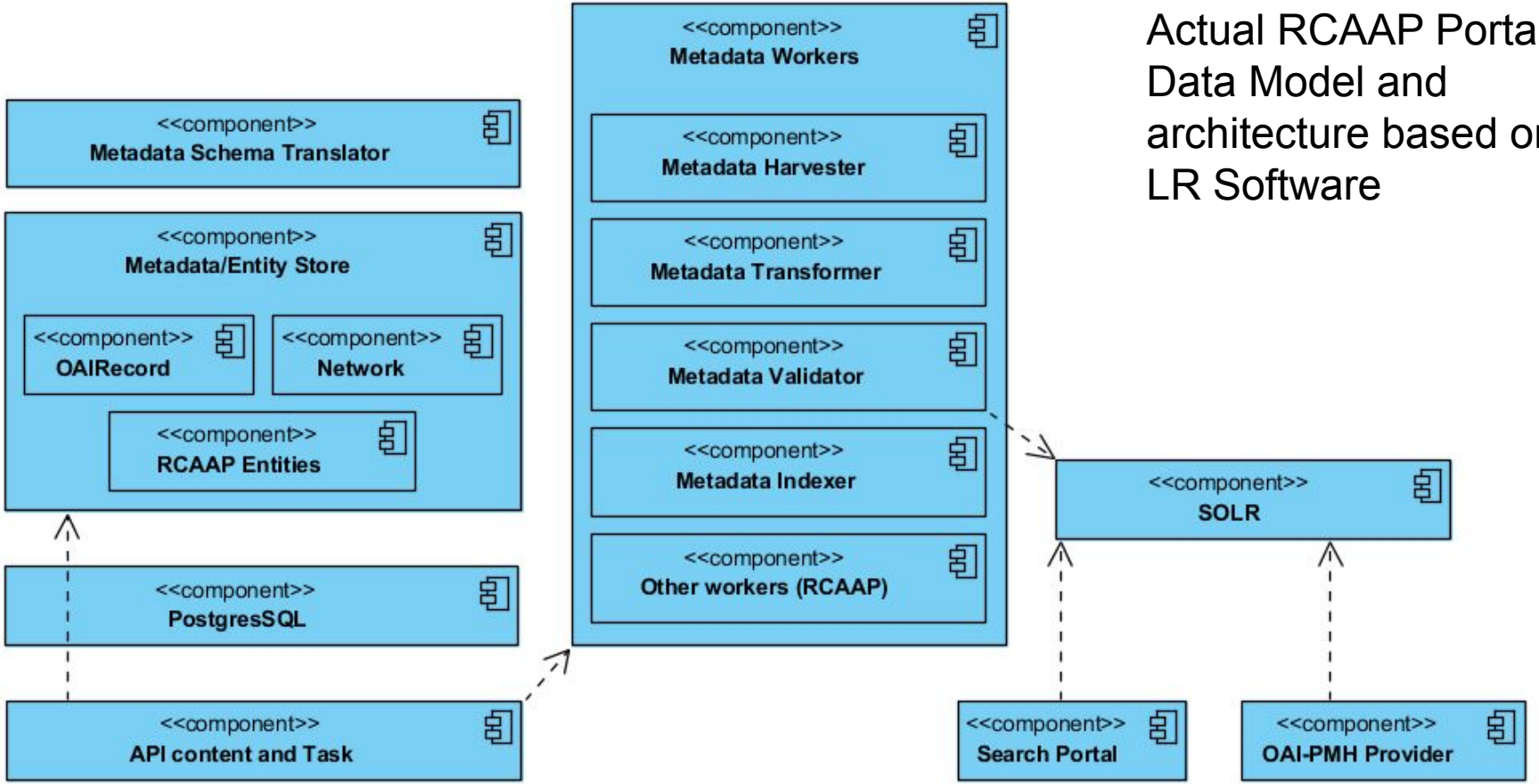


What to do to be compliant?

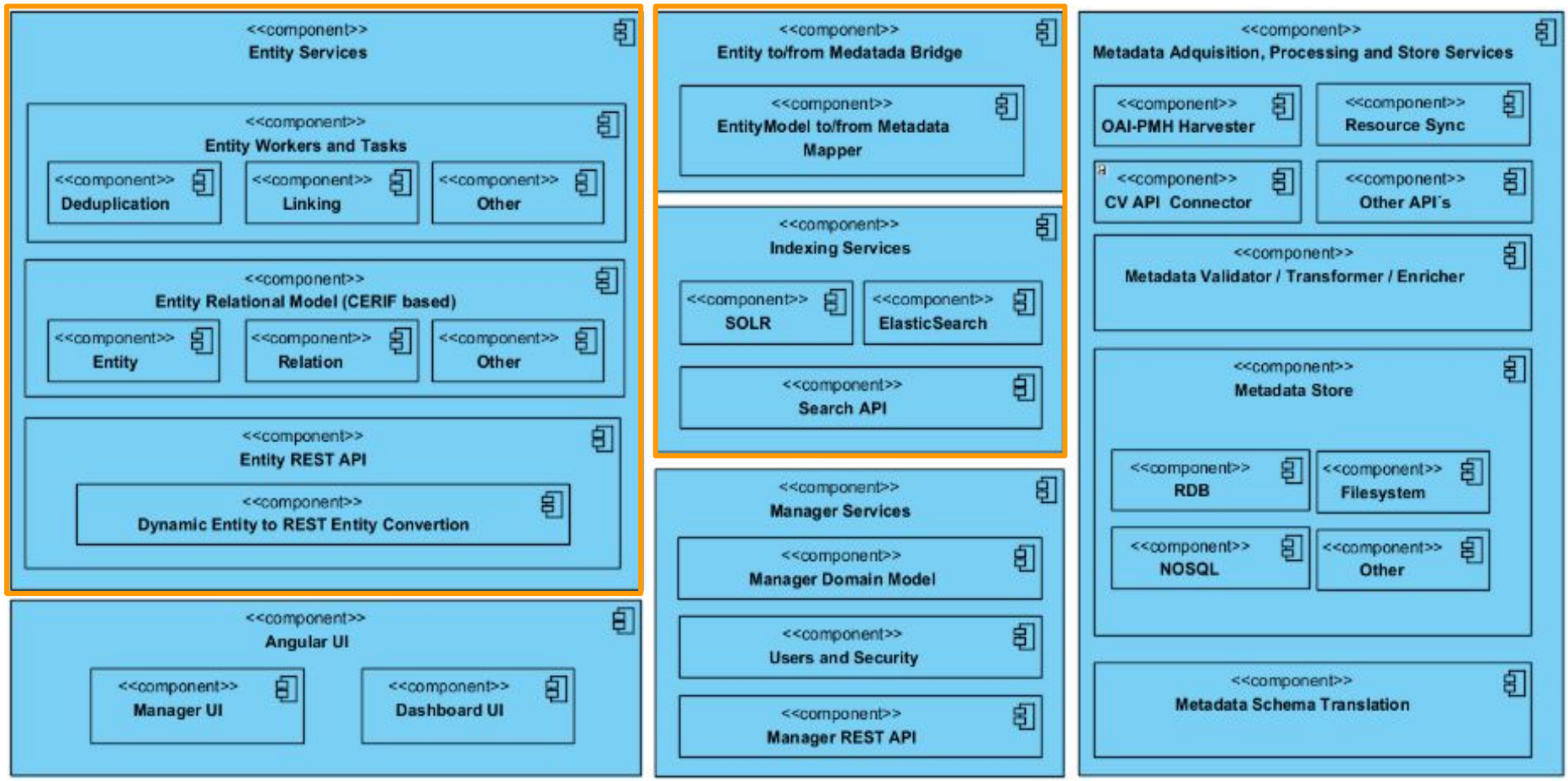


- Structural / Generic changes
  - New data model to support Entities and their relations
  - New APIs (manage and public search)
- Configuration / Specific
  - Specs for OpenAIRE Entities
  - Specs for OAI-PMH

Actual RCAAP Portal Data Model and architecture based on LR Software



Conceptual view of the new architecture - new components to Entities



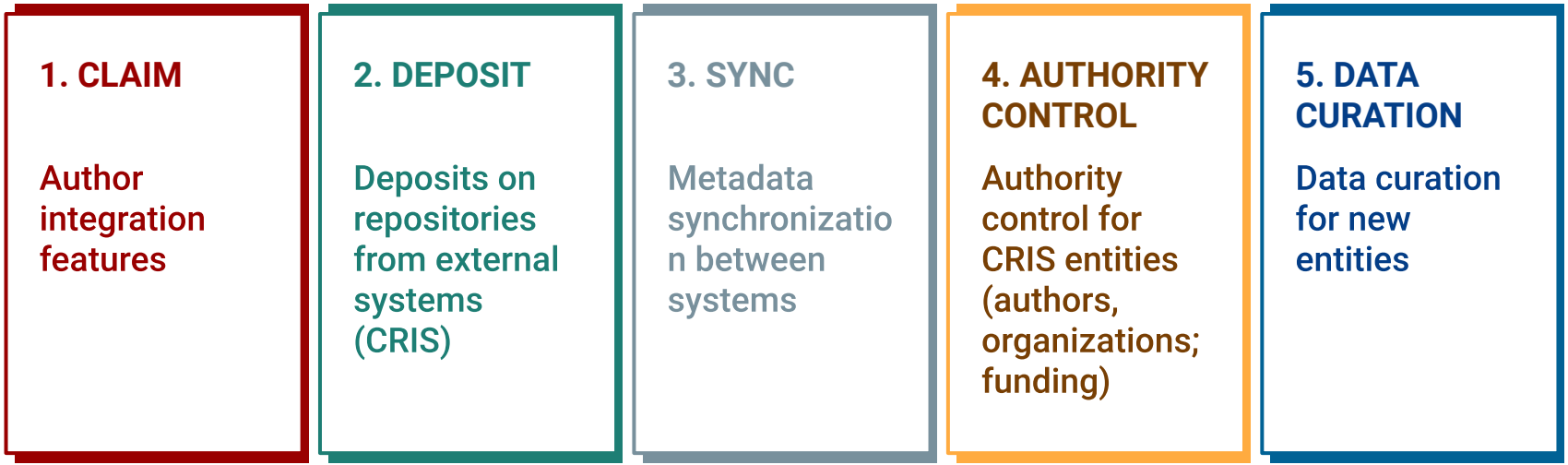
LRHarvester v4 - 2019 Tasks

- **Entity-Relation Metamodel** functionality
- Entity-Relation Metamodel **instantiation OpenAire4**
- Feeding Entity-Relation model from **OpenAIRE 4 Metadata**
- Entity-Relation Model - REST API/HATEOAS/**CRUD LAYER**
- Entity-Relation **Public/Search** REST API
- Entity-Relation Model - Model enrichment and entity deduplication
- Repository administrator dashboard

Workshop Agenda

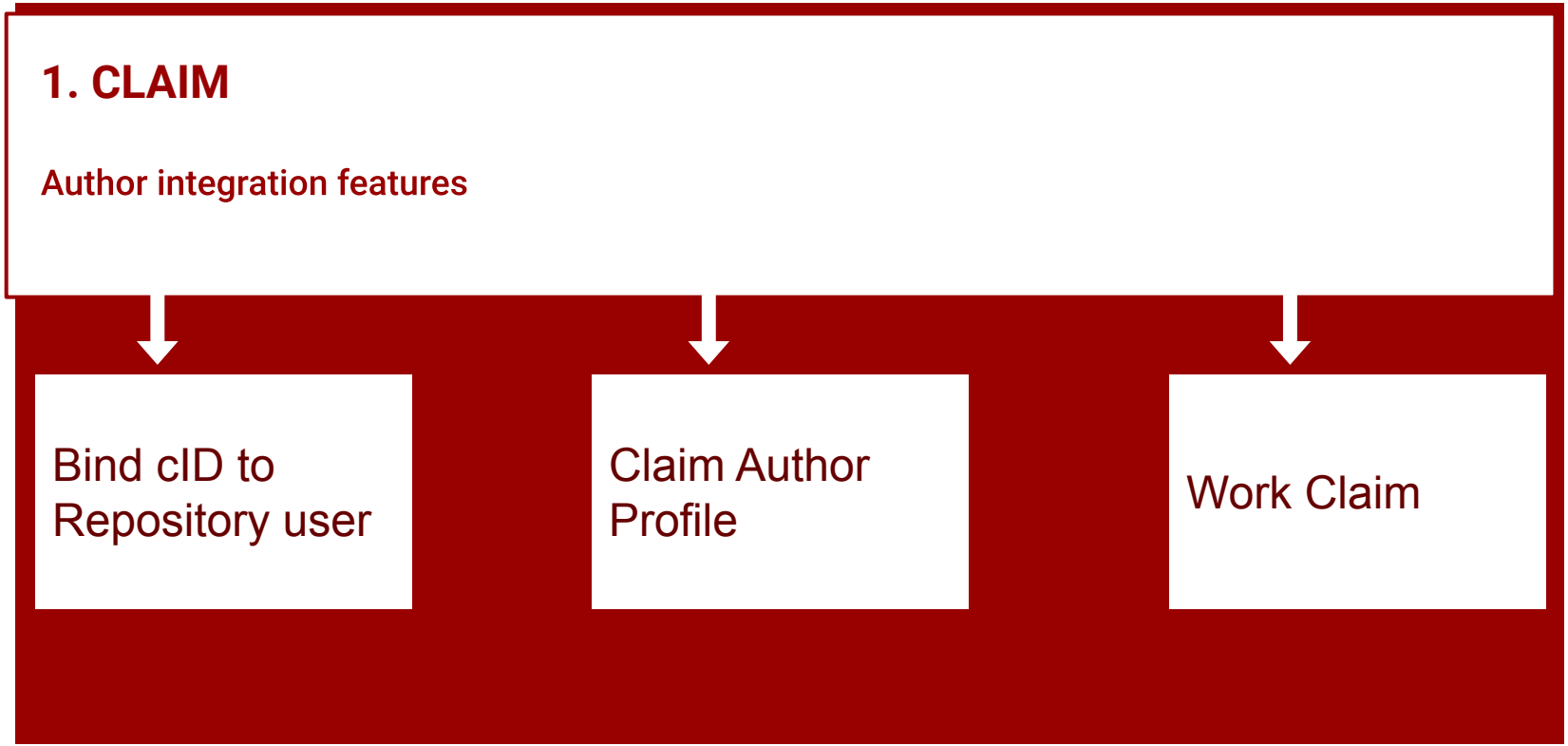
- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

Integration Use Cases

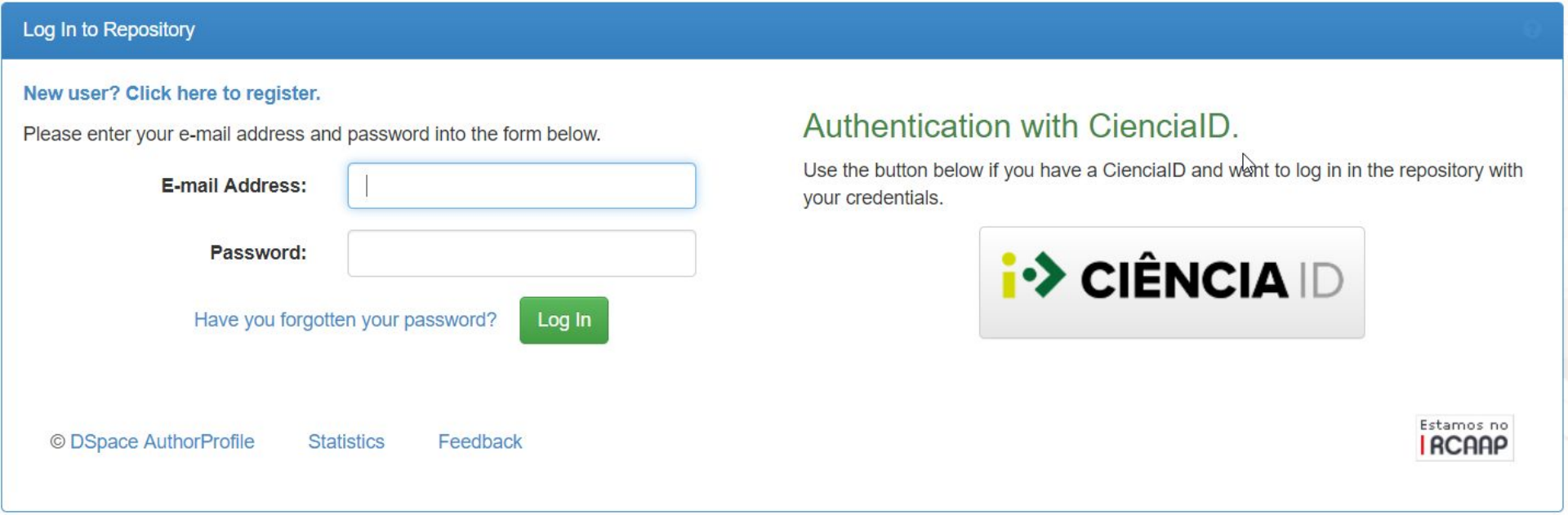


We identified five integration use cases related to claim tasks, deposits on repositories from external sources, synchronization, authority control for entities (authors, organizations; funding) and data curation

Integration Use Cases



Bind cID to Repository user



Work Claim

Import from RCAAP

FINISH →

Search criteria

Author

Search term

JOÃO MENDES MOREIRA

Minimum of 3 characters for search

SEARCH

Found **170** publications

Recent date

View all types

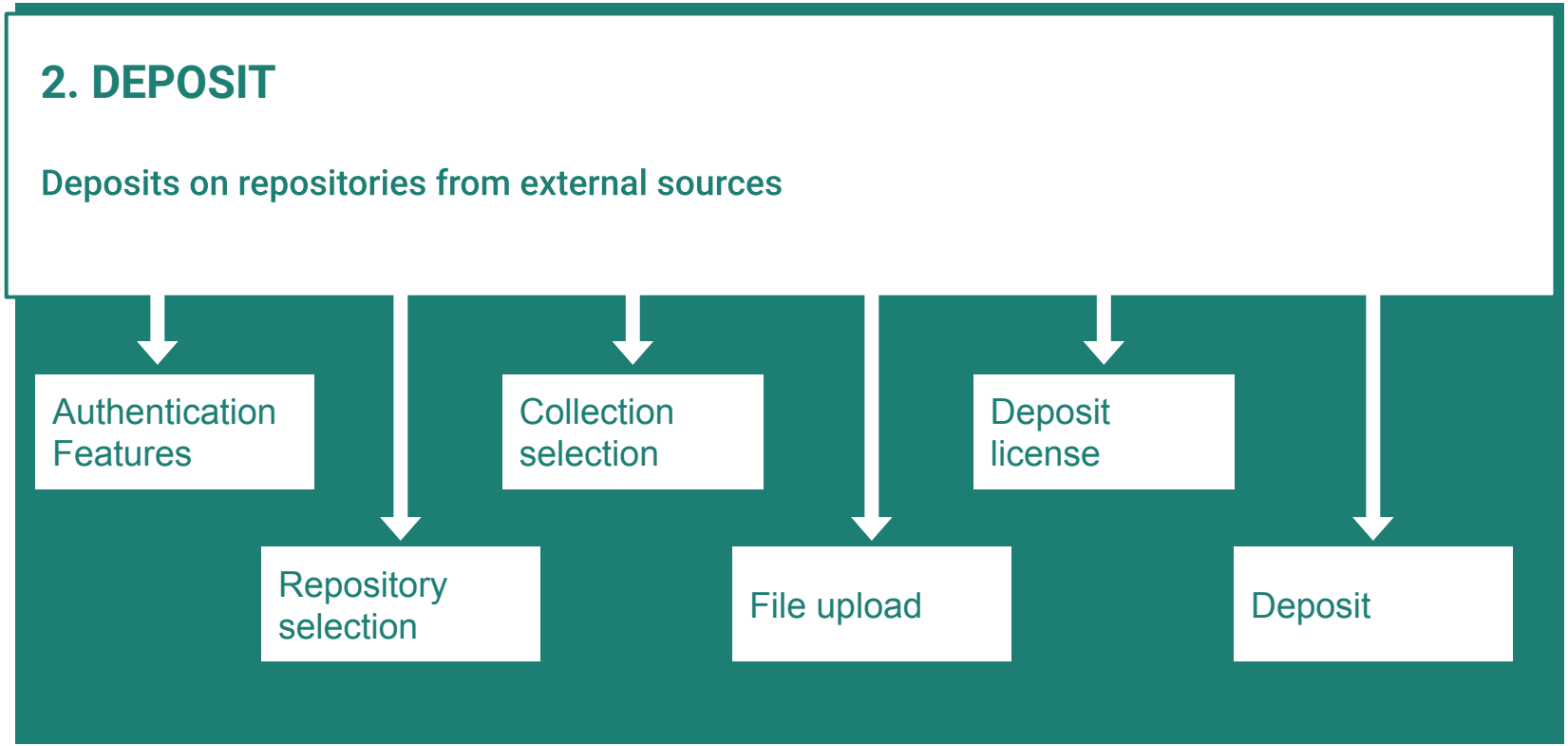
20

Salt content in pre-packaged foods available in Portuguese market

Other output held in 2019

Faculdade de Ciências da Nutrição e Alimentação; Faculdade de Engenharia

Integration Use Cases



Deposit

CIÊNCIAVITAE

JOÃO MOREIRA public CIÊNCIAVITAE

IDENTIFICATION EDUCATION AFFILIATION PROJECTS **OUTPUTS** ACTIVITIES DISTINCTIONS

Deposit output

You are depositing *Fracture Complication Prevalence Meta-analysis Figures*

1. **Repository**
2. Collection
3. Files and type of access
4. Projects information
5. Deposit license
6. Summary and conclusion

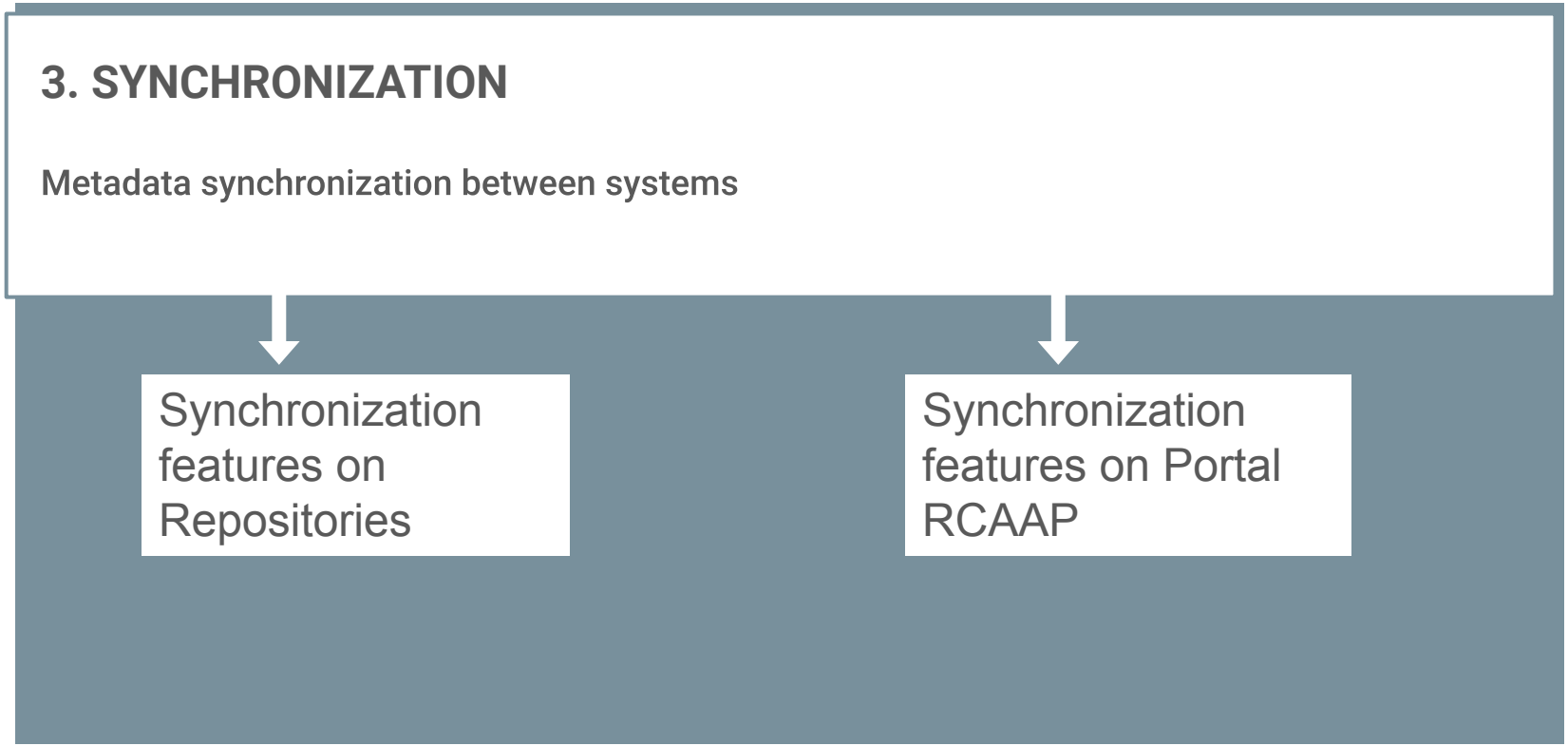
Select the repository where you want to deposit the production *

Instituto Politécnico de Leiria (IPLeiria - Pré)

Save preference

CANCEL CONTINUE

Integration Use Cases



Synchronize with ORCID

Most recent date | View all types | 20

For synchronize (14) | **Alerts (3)** | **Synchronized (0)**

Select all — Last checked: 2019/09/17 at 09:48h

Add to ORCID

Integrating a national network of institutional repositories into the national/international research management ecosystem

Conference paper presented in conference held on 2017

source-work-id: cv-prod-id-12304; doi: Moreira, J. M., Laranjeira, C., Carvalho, J., Ribeiro, F., Lopes, P., & Graça, P. (2017). Integrating a National Network of Institutional Repositories into the National/International Research Management Ecosystem. Procedia Computer Science, 106, 146-152. ; *part of* issn: 1877-0509; handle: http://hdl.handle.net/1822/46268; doi: 10.1016/j.procs.2017.03.010

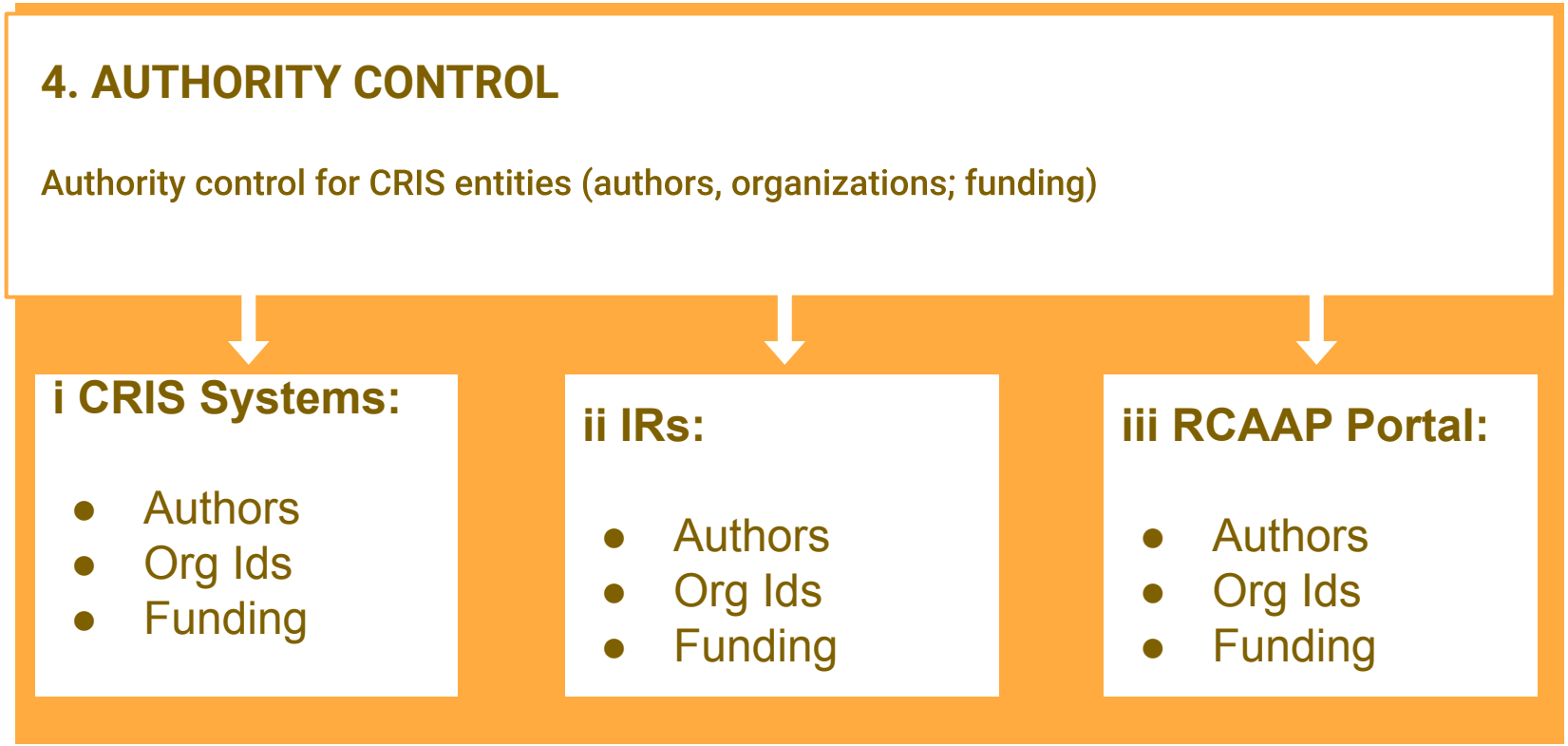
Add to ORCID

Monitoring a national open access funder mandate

Conference paper presented in conference held on 2017

source-work-id: cv-prod-id-12303; doi: Carvalho, J., Laranjeira, C., Vaz, V., & Moreira, J. M. (2017). Monitoring a National Open Access Funder Mandate. Procedia Computer Science, 106, 283-290. doi:

Integration Use Cases

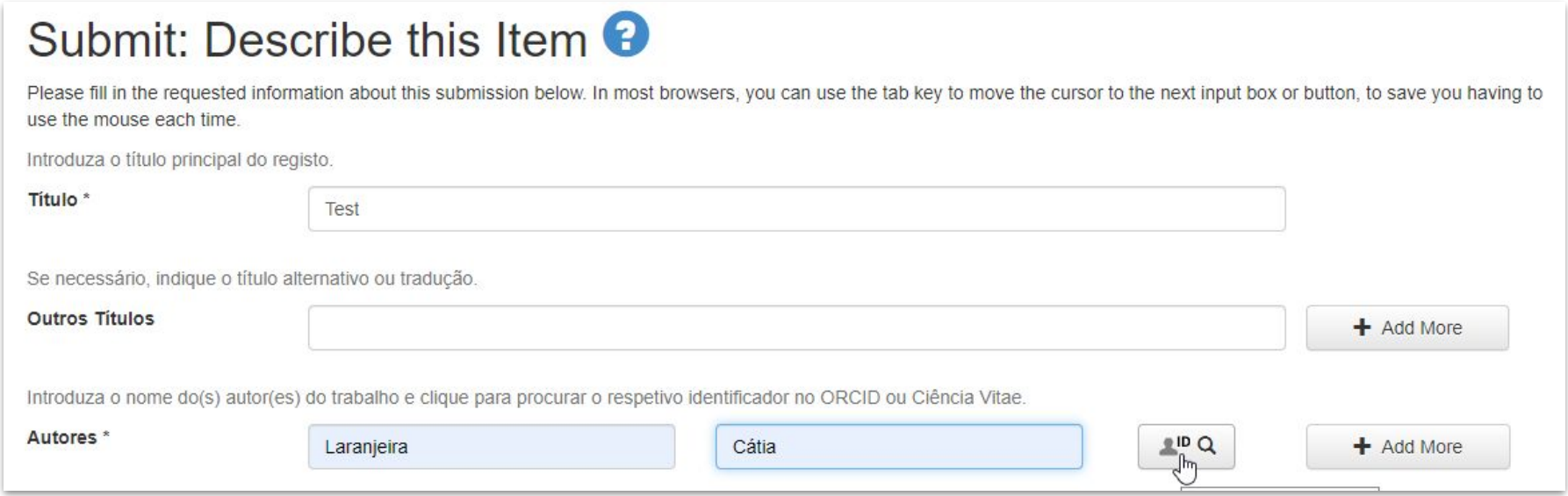


4. Authority Control for Authors

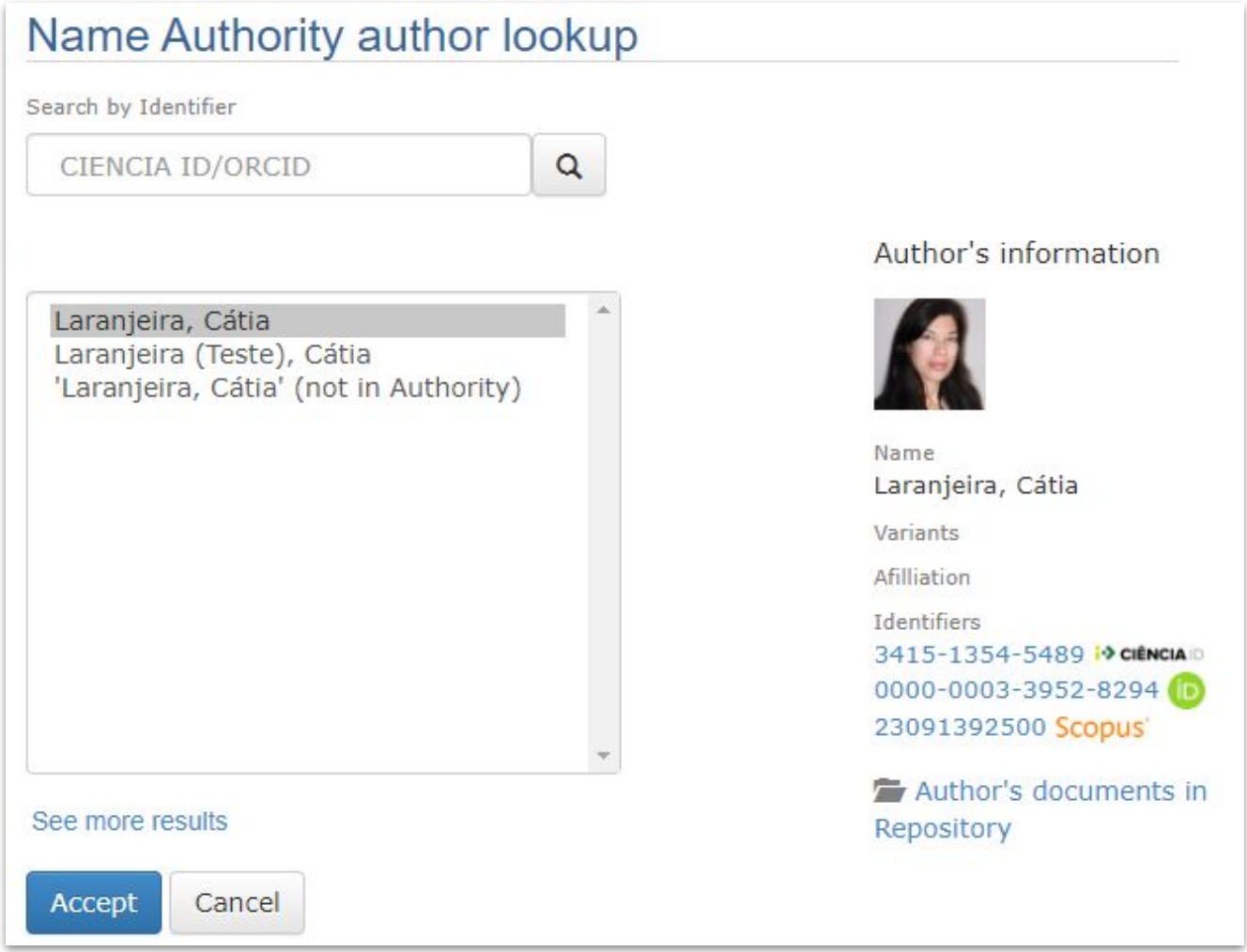
ii IRs:

- Authors
- Org Ids
- Funding

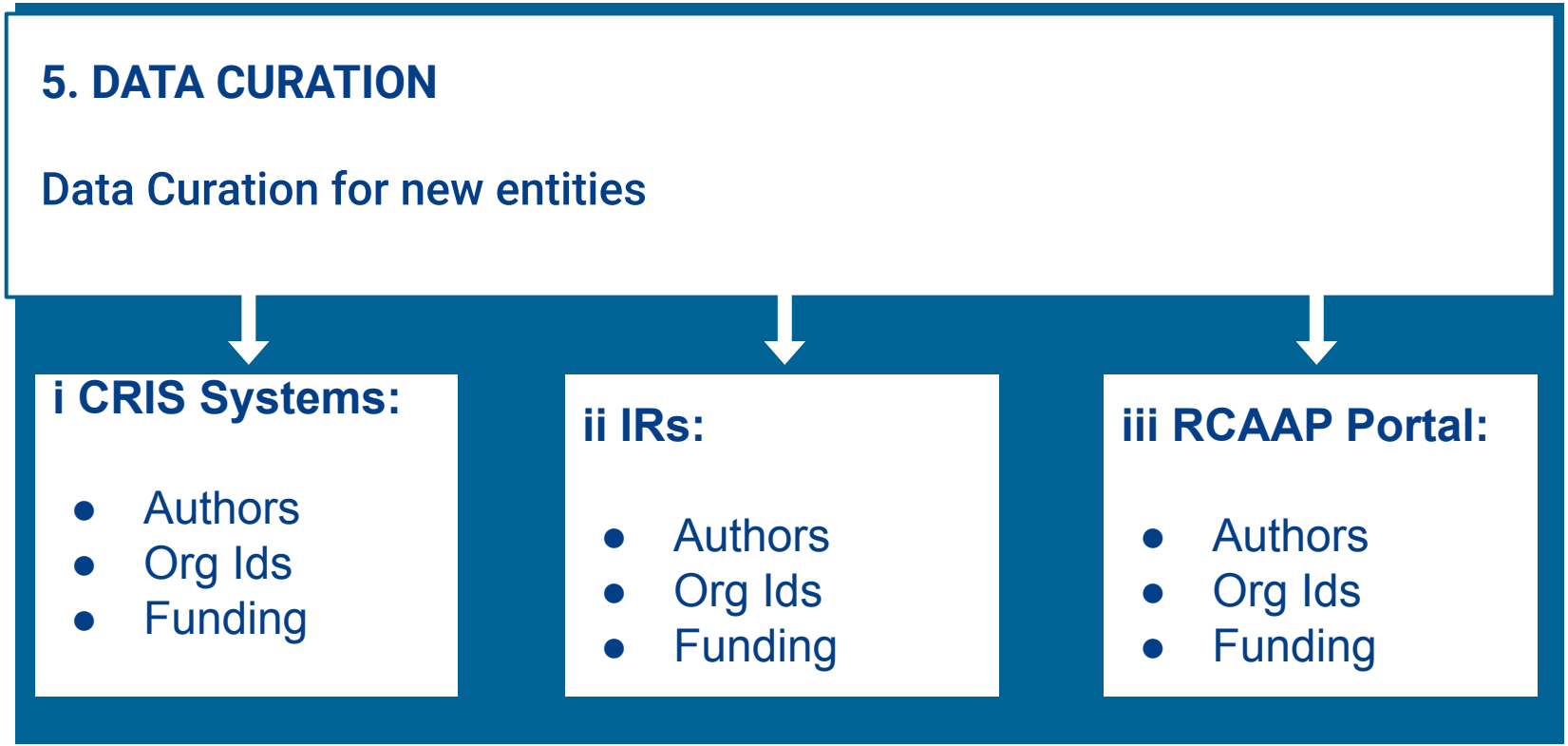
Possibility to associate an author name with a unique identifier (ORCID or / and Ciência ID)



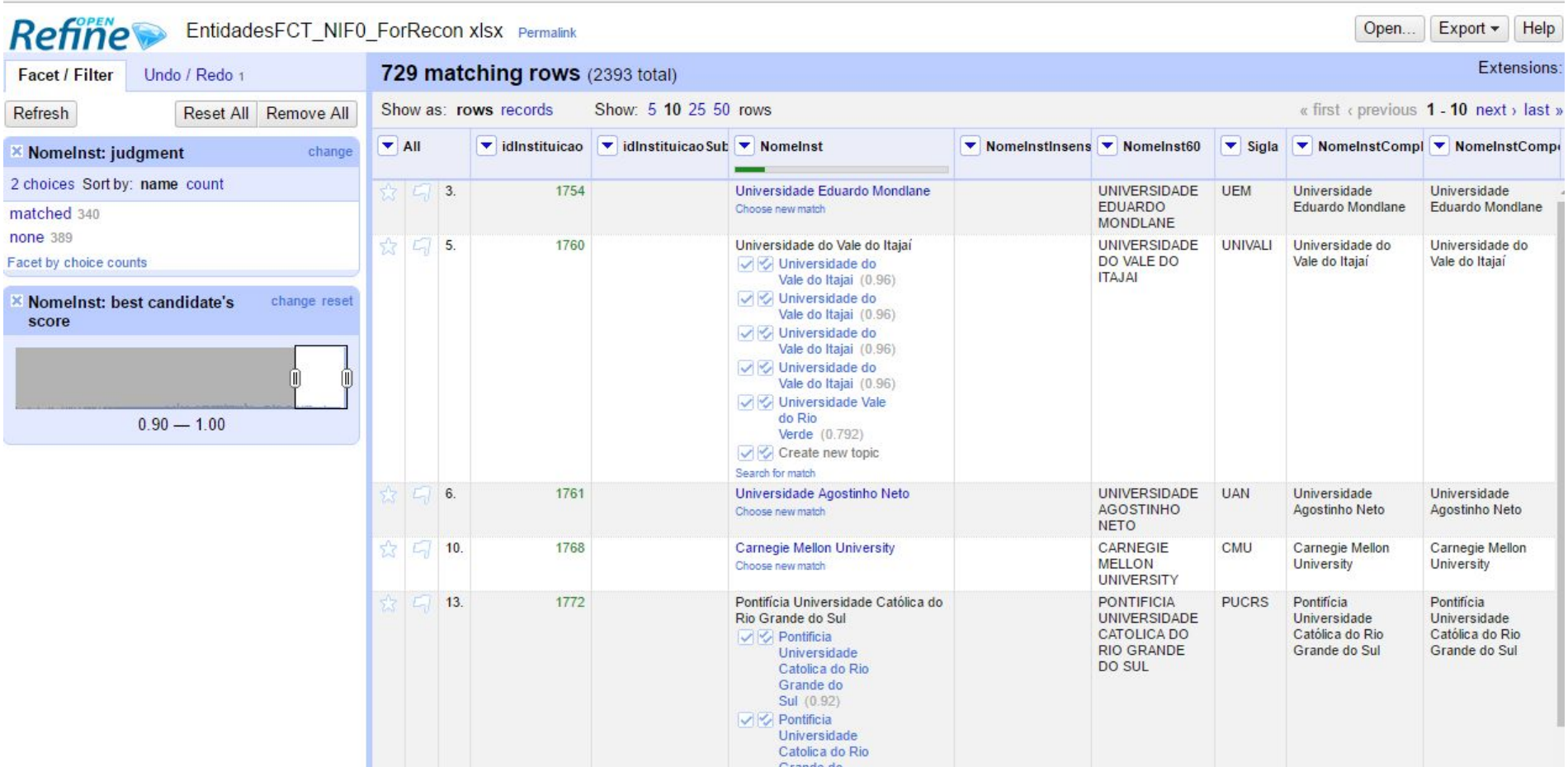
This feature invokes Ciencia ID or ORCID in order to obtain information about authors



Integration Use Cases



Tool that allows organization ids data curation



Workshop Agenda

- Context:
  - The research information management ecosystem and IR
  - MoU OpenAIRE / Duraspace
- Guidelines & recommendations (OpenAIRE and ORCID)
  - OpenAIRE Guidelines for Literature Repository Managers 4.0
  - ORCID recommendations
  - Guidelines Implementation - DSpace and Aggregator
  - Use cases
- Community collaboration

Want to go faster?

DSpace community engagement

Regional User Groups

Slack channel: #dspace-XX
UG WIKI pages
Mailing list
Country webinars
Partnerships

- Germany
- Ghana
- Argentina
- Brasil
- Mexico
- Peru
- Nigeria
- North America
- UKUsergroup
- Uganda

Working groups

DSpace 7 Working Group
DSpace 7 Entities Working Group
DSpace 7 Marketing Working Group
DSpace Community Advisory Team (DCAT)

Webinars, meetings and events

- DSpace Developer Show and Tell meetings
- **OR2019:** Workshops and sessions on DSpace 7: https://wiki.duraspace.org/display/DSPACE/DSpace+7+at+OR2019
- **Meetings:** https://wiki.duraspace.org/display/DSPACE/Meetings
- **Community Sprints:** https://wiki.duraspace.org/display/DSPACE/DSpace+7+Community+Sprints
- **User Group meetings, national events**
- **Webinars in partnership with Google Scholar**

DSpace Community Annual Report 2017-July 2018

Call to action

DSpace7 code reviewers needed!

Thank You

For your attention

http://ptcris.pt | https://cienciavitae.pt | https://ciencia-id.pt

http://rcaap.pt

https://duraspace.org/

https://www.openaire.eu/