DSpace software platform for digital repository of publications

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Institutional repository

Containing articles, preprints and other materials reflecting and promoting JINR research activities.

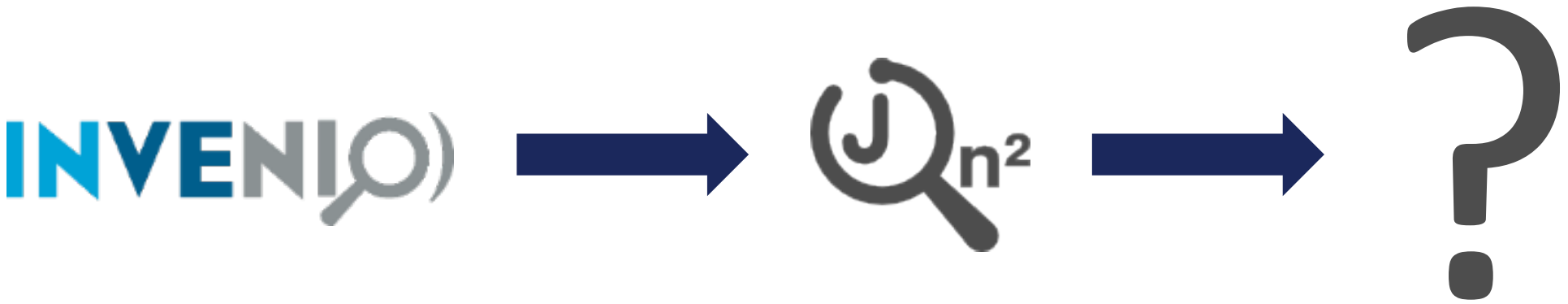
Store and provide effective access to JINR information resources.

Make scientific results available to all scientific and educational community.

To estimate the efficiency of the JINR scientific activity.

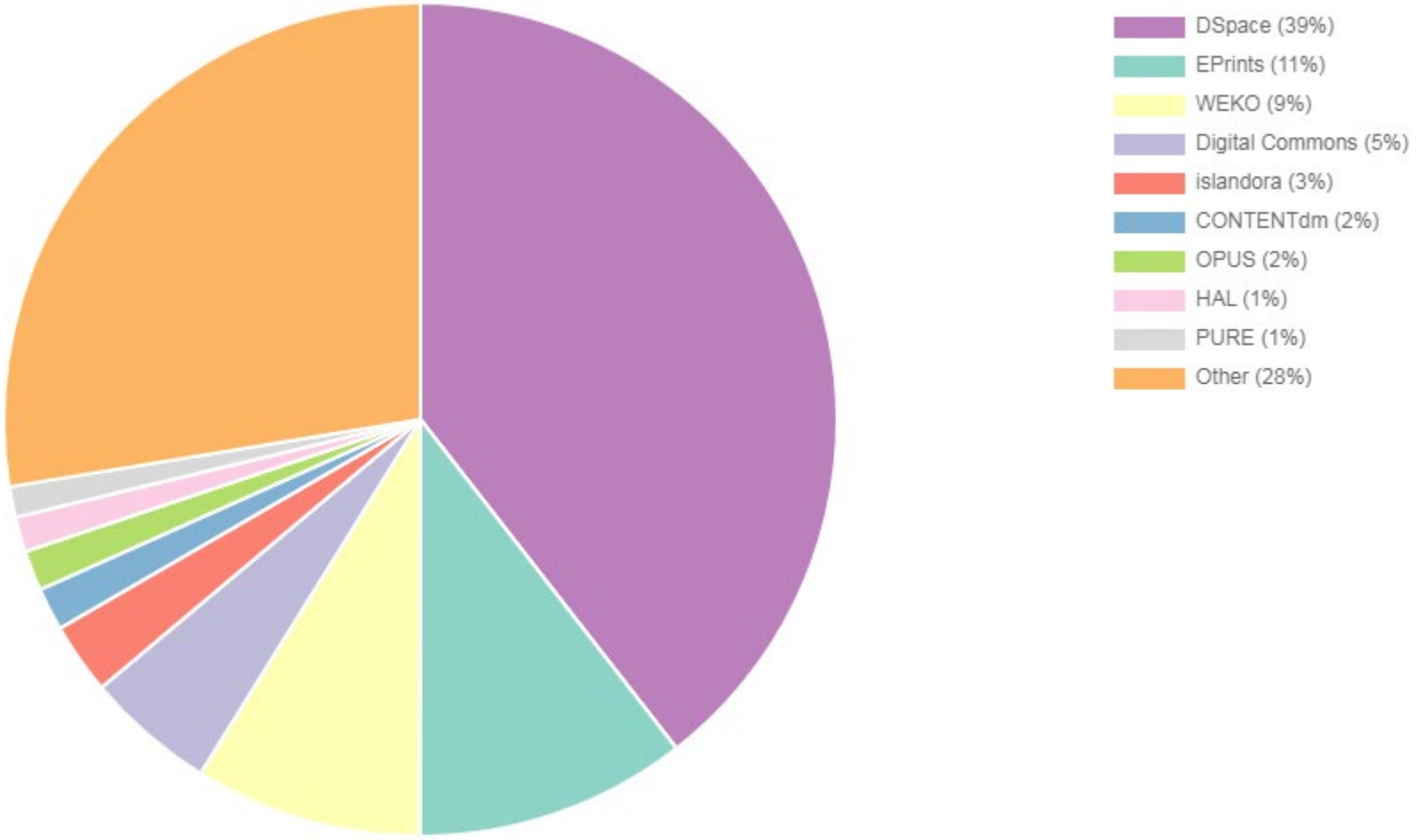
Part of scientific communication.

JINR Publications Repository



JOIN² Project Partners

Software Platform Overview



OpenDOAR Statistics - https://v2.sherpa.ac.uk/view/repository_visualisations/1.html (17/05/2023)

Candidates for JINR Publications Repository

Characteristic	JDS-JOIN2 inside project	JDS-JOIN2 outside project	DSpace 7.4	INVENIO 3
Access policy management	+	+	+	+
Data import from popular identification systems: DOI, ISBN, identifiers arXiv, Medline, PubMed, INSPIRE	+	+/-	+	-
Multi-criteria search and viewing of digital resources of the repository by metadata and including full text	+	+	+	+
Collaboration authors entry (1000 or more)	+	+	?	+
Automatic duplicate tracking	+	+	?	?
Storage of OPEN ACCESS document	+	+	+	+
Control of entered Information	semi-automatic	semi-automatic	?	?
Open Source	+	+	+	+
Ready for implementation	+	+	+/-	-
Support	+	-	Big community	-
Further development	+	-	+	?
PIN integration	+	+	Looks promising	?
Updating vocabularies of persons and departments	+	+	+	?
Documentation	+/-	+/-	+	+/-
Modern engine	-	-	+	?
Good scalability	-	-	+	?

JINR Publications Repository Platforms

- ✓ Distributed system
- ✓ Good scalability
- ✓ Flexible backup system
- ✓ Flexible authorization system
- ✓ Good security
- ✓ Powerful and customizable UI
- ✓ Big community

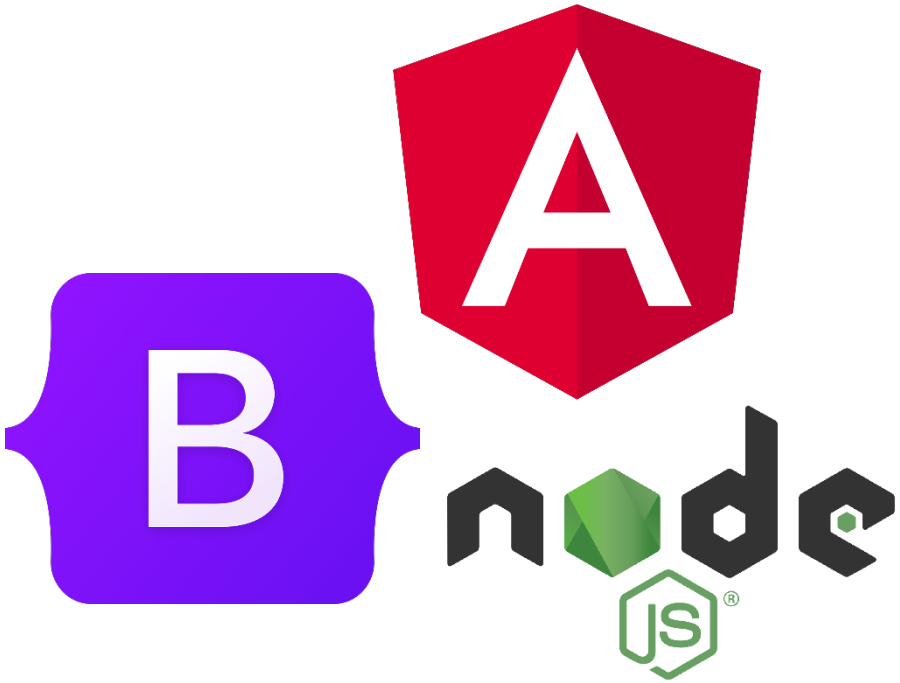
DSpace 7.4 Technology Stack

Backend

Server API

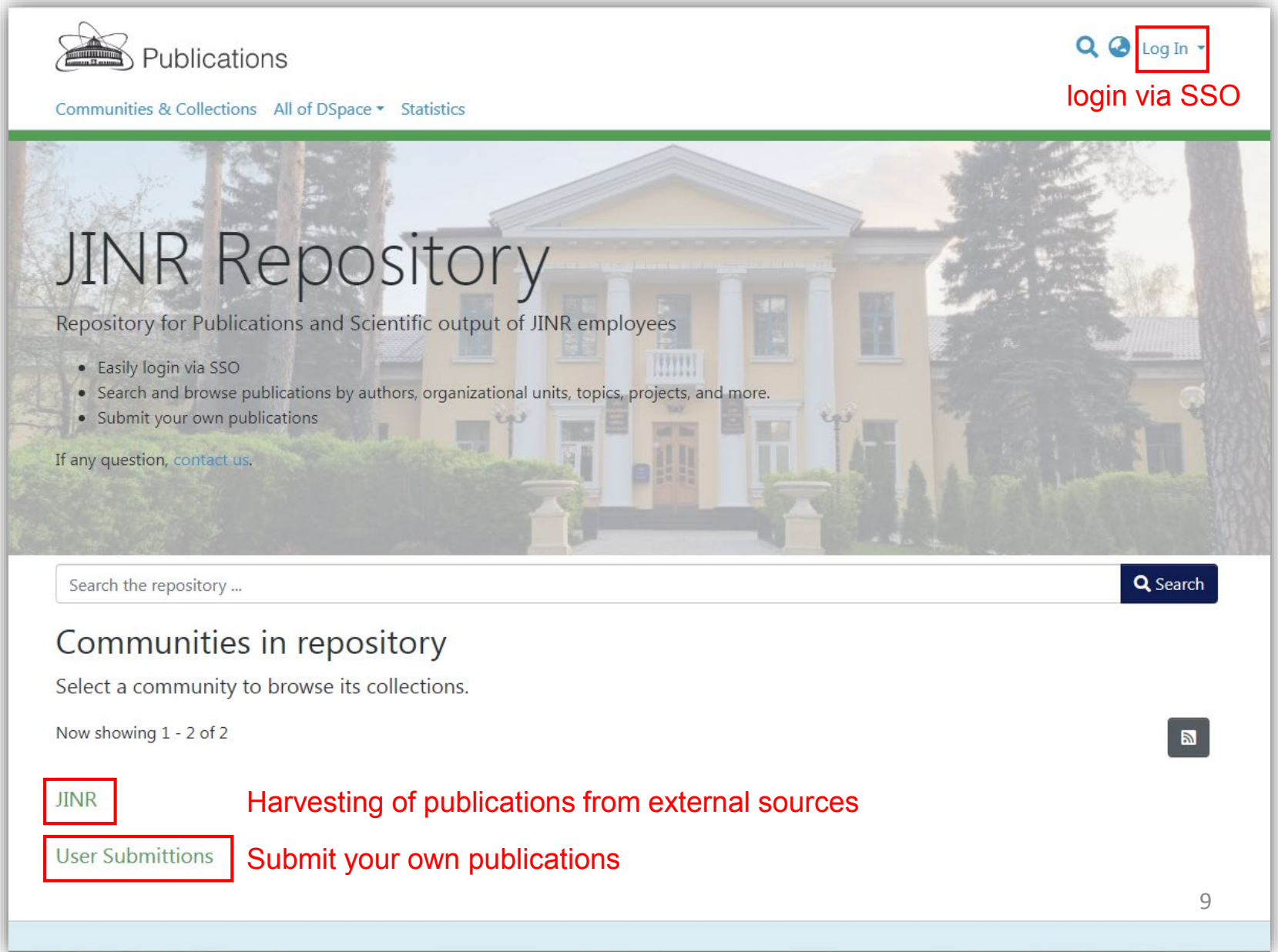
Frontend

User Interface

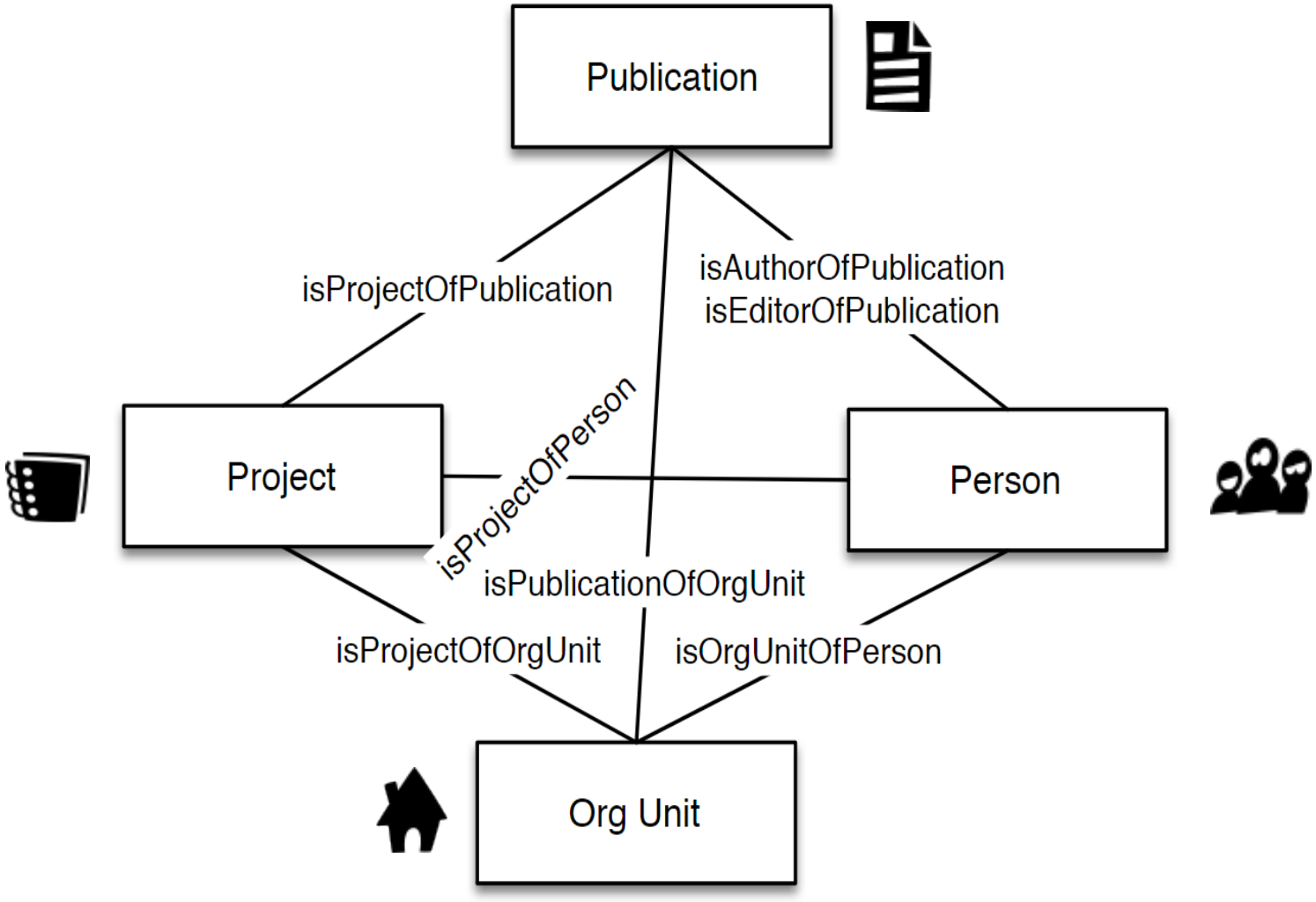


JINR Institutional Repository on the DSpace

- Easily login via SSO
- Search and browse publications by authors, organizational units, topics, projects, and more…
- Submit your own publications
- Harvesting of publications from external sources

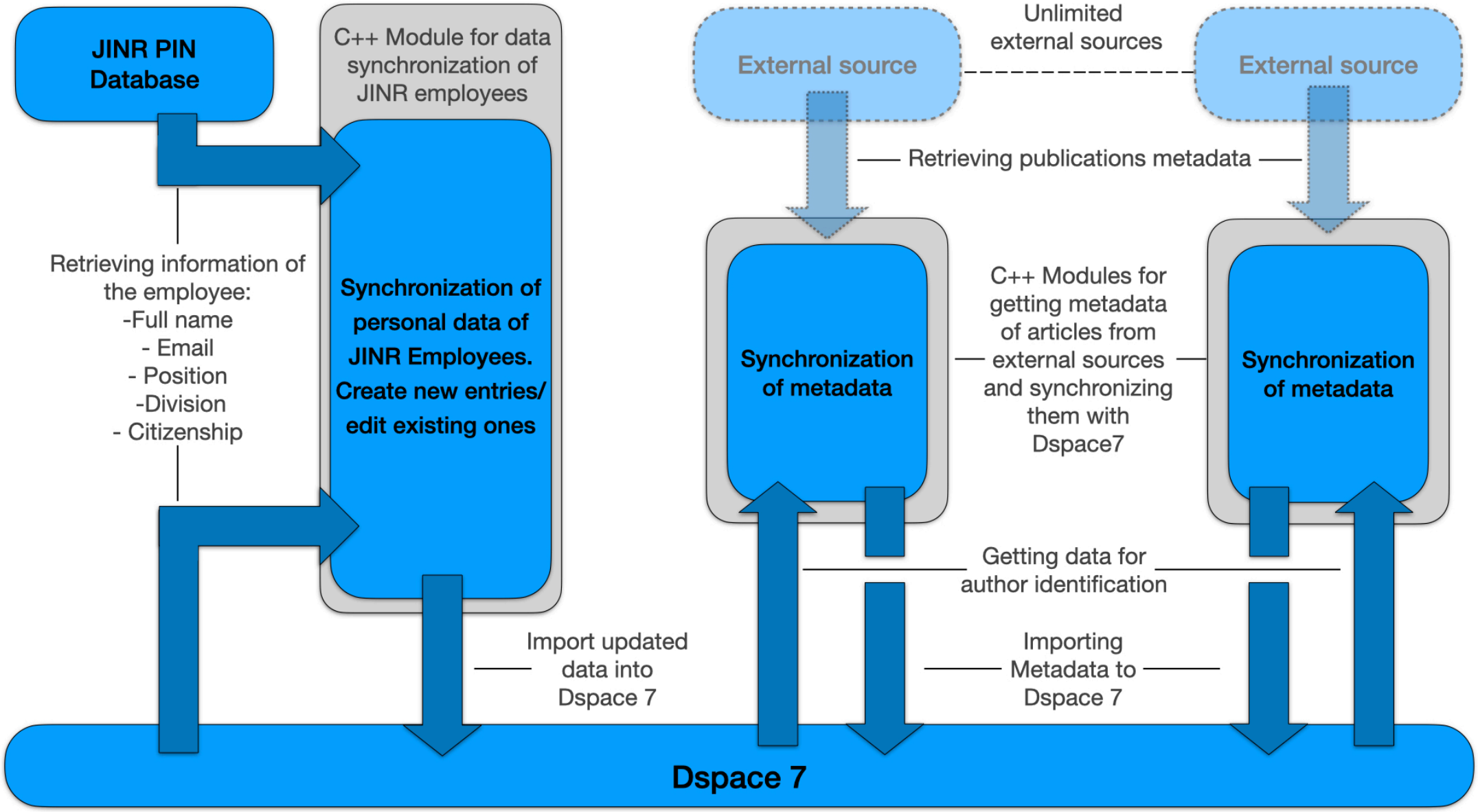


Research Entities in DSpace 7



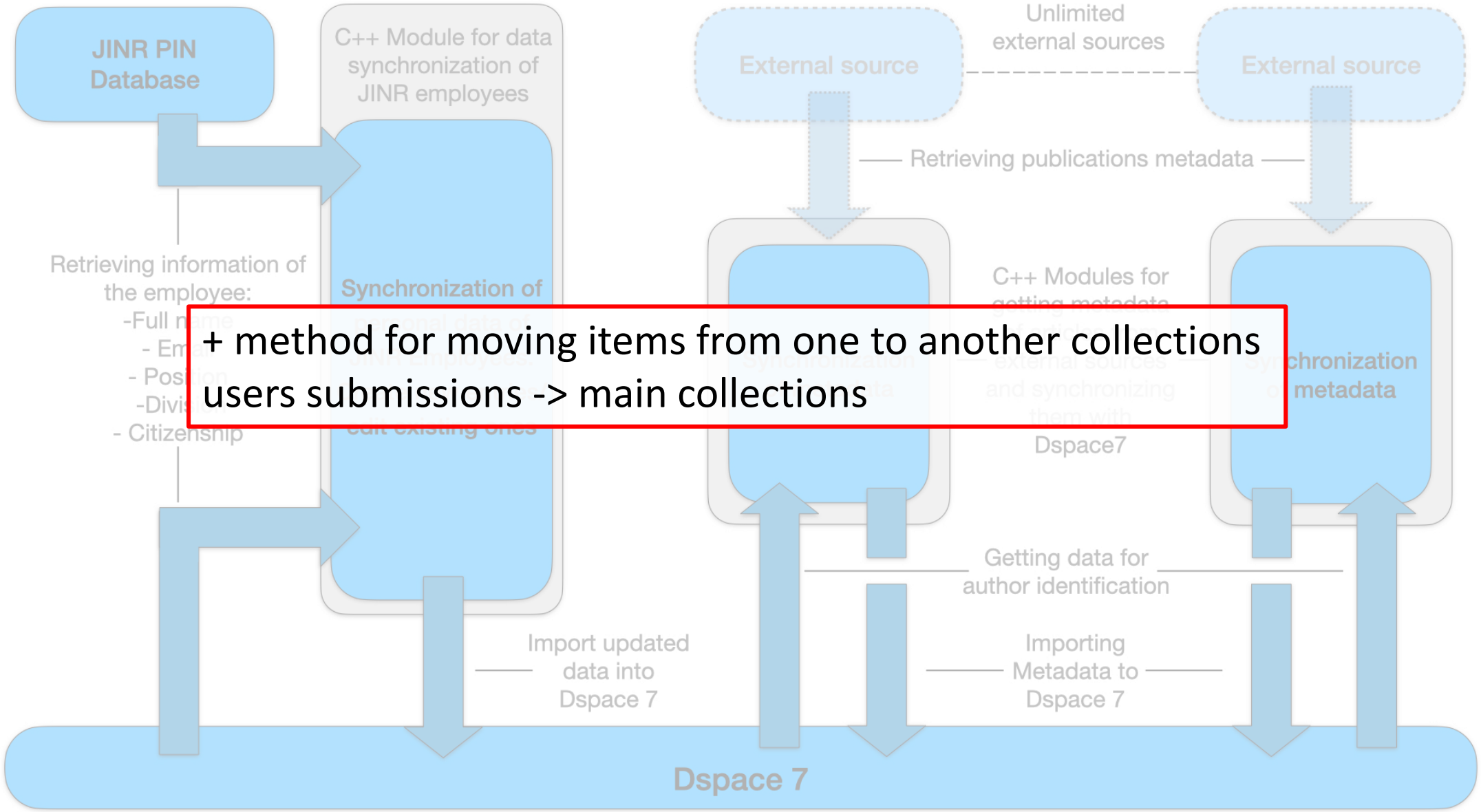
https://wiki.lyrasis.org/rest/documentConversion/latest/conversion/thumbnail/183076823/1

C++ modules for DSpace 7



General scheme of interaction between C++ modules and DSpace 7 by Kondratyev A.

C++ modules for DSpace 7



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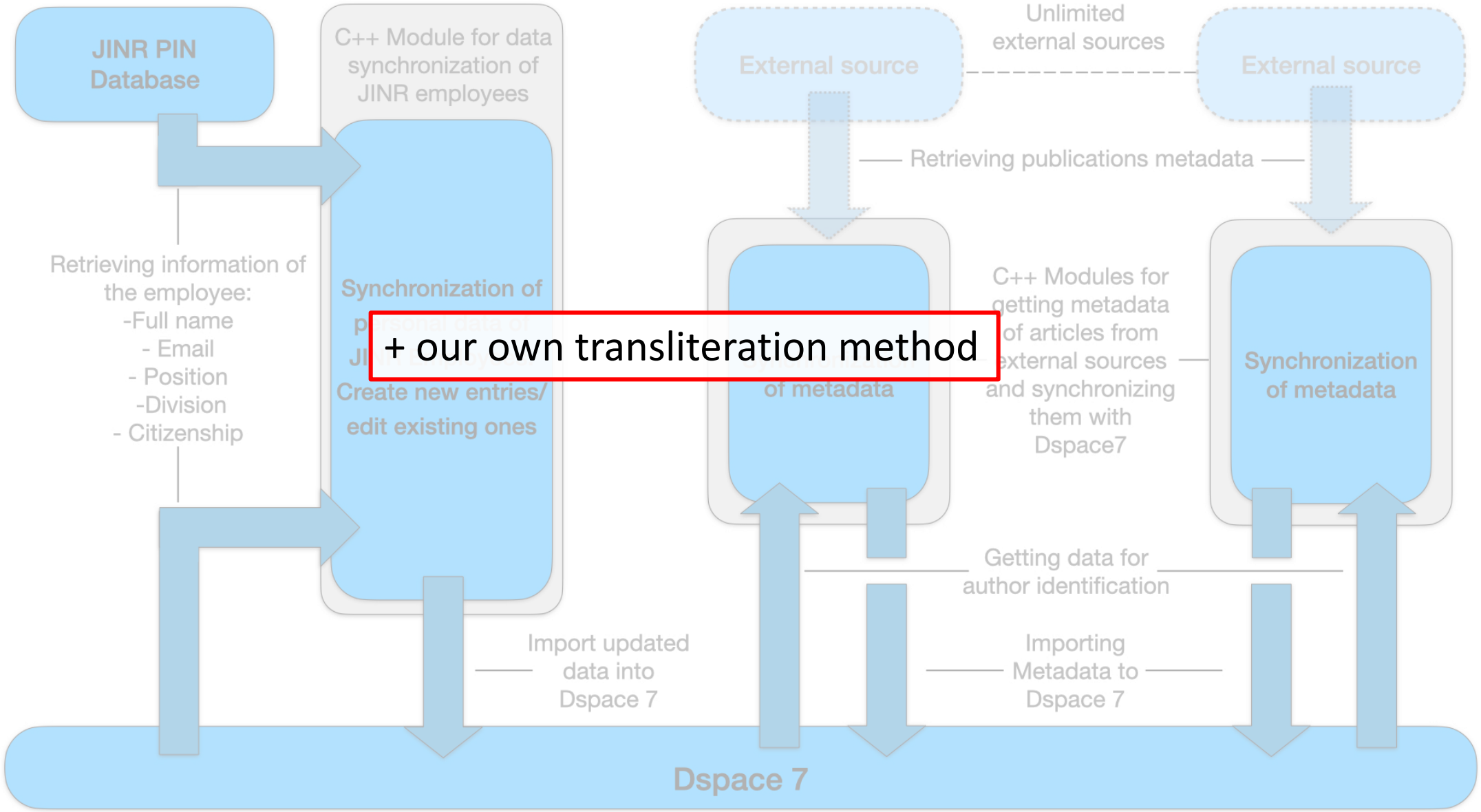
C++ modules for DSpace 7



General scheme of interaction between C++ modules and DSpace 7 by Kondratyev A.

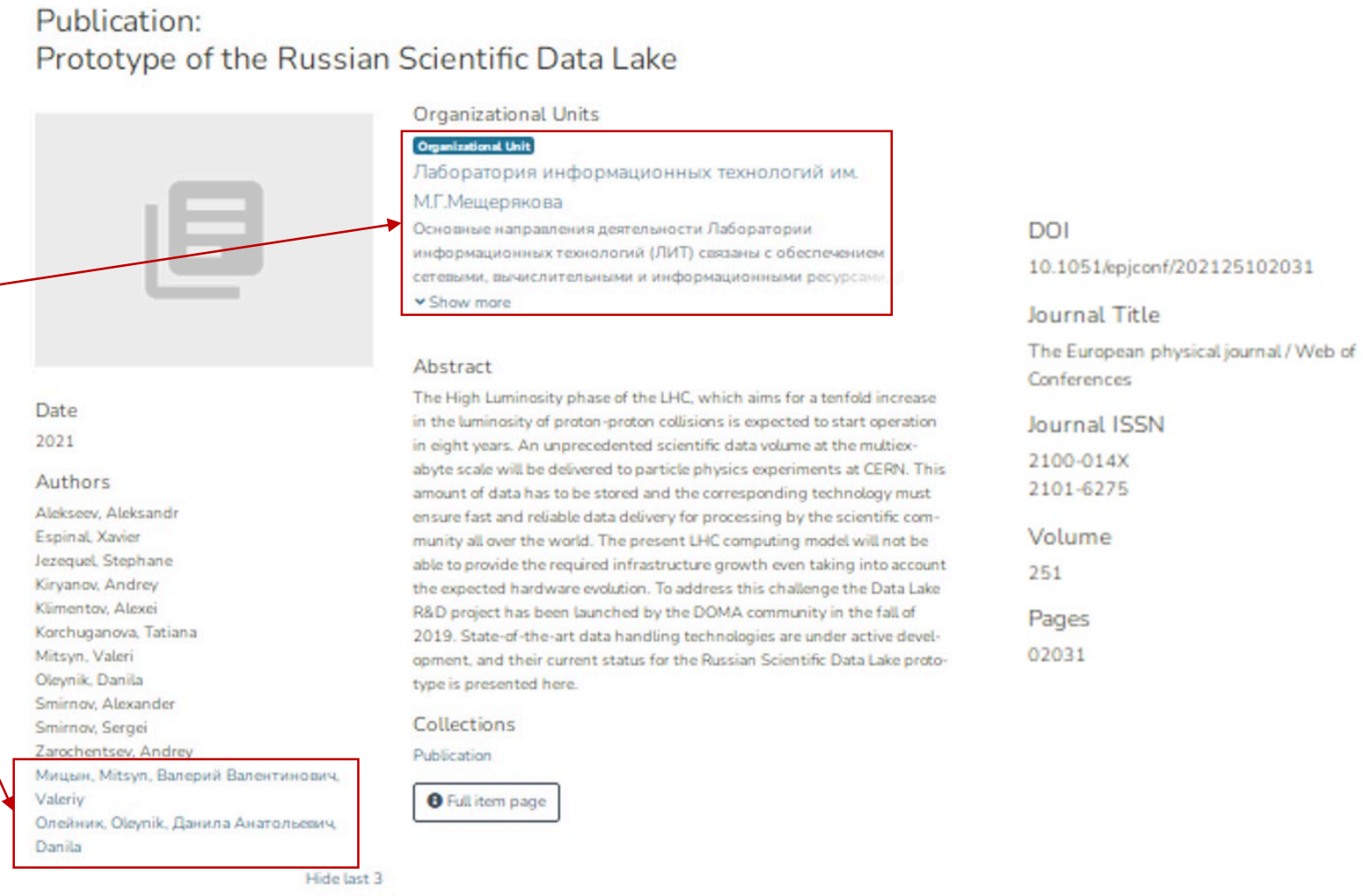
Publication View

Bibliographic information

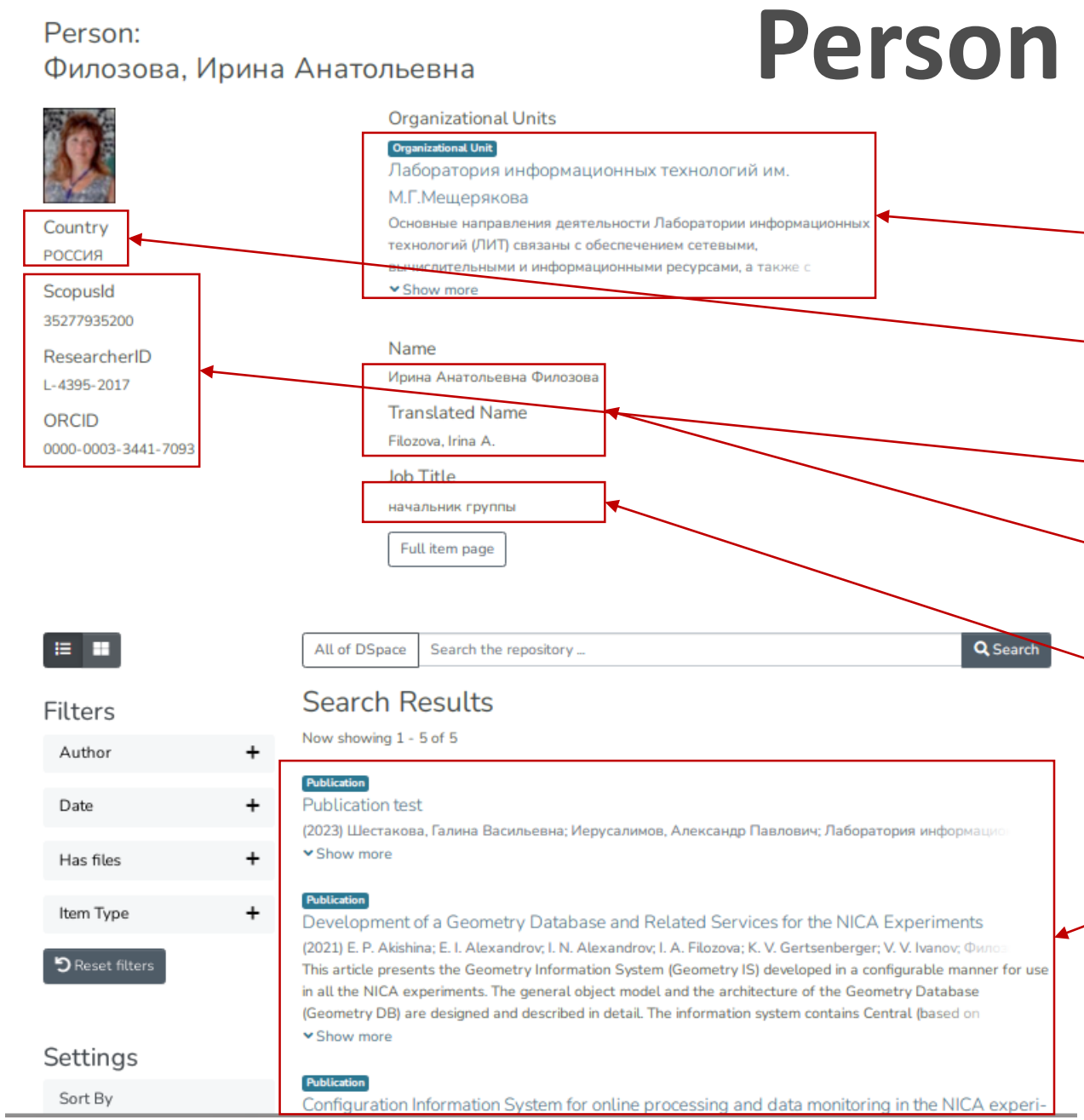
Relationship link with OrgUnits

Relationship link with authors

Relationship link with Themes/Projects



Person View



Relationship link with OrgUnits

Country

Author’s identifiers

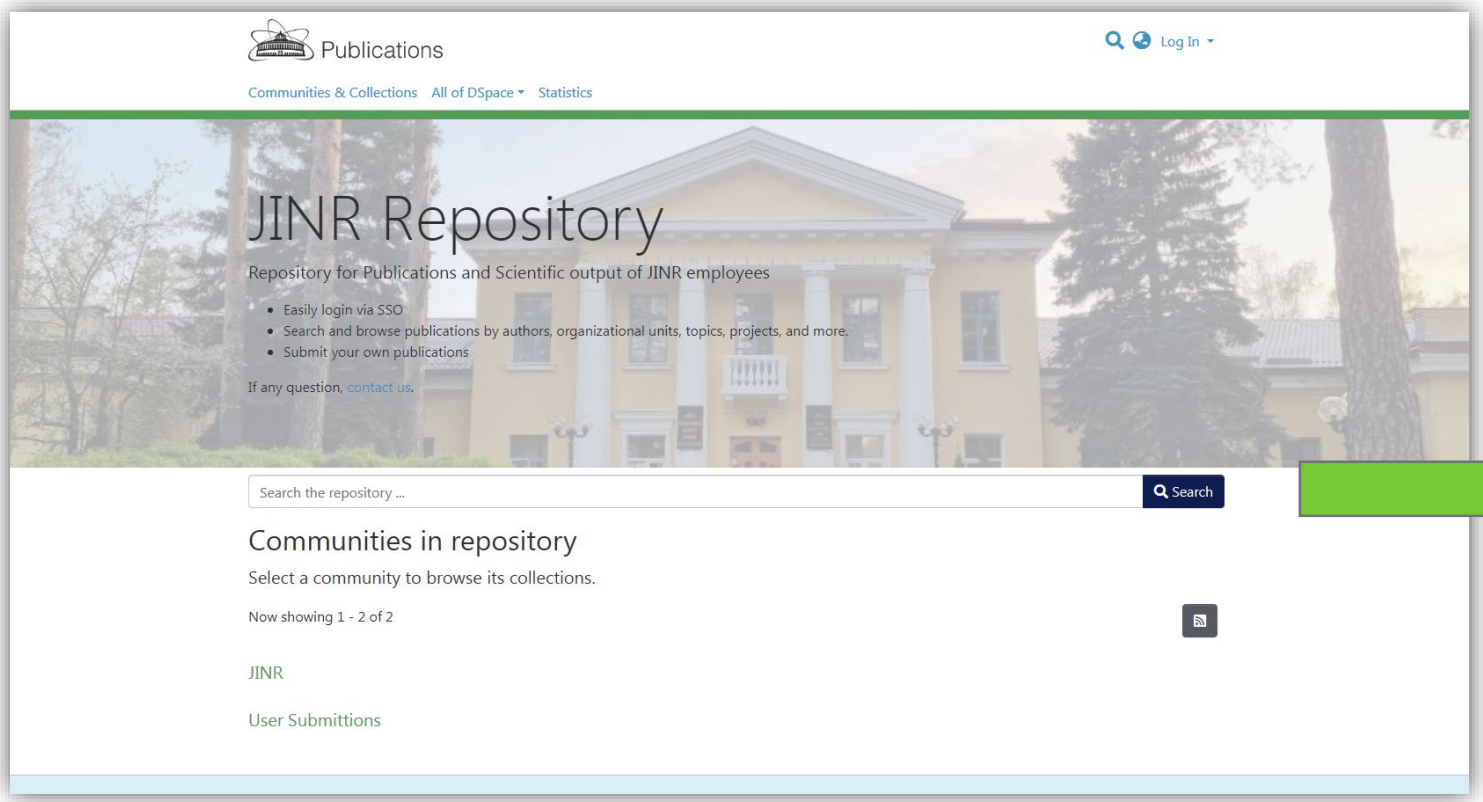
Name Variants

Job Title

List of Publications

Future Plans

Institutional Repository in frame of JINR Digital Eco System



JINR Digital Eco System

Thank you for attention!