DSpace-CRIS 7
Praxistreffen – 01.04.2022

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DSpace - CRIS 7 in a nutshell

- Free and open-source extension of DSpace7 (latest release is 2022.01.00 - feb 28th - aligned with DSpace 7.2)

- Fully embraces Configurable Entities

- enabled out-of-the-box with a richer data model based on the OpenAIRE information space and CERIF (Publication, Person, OrgUnit,…)

- Enables real CRIS / RIMS processes and use cases, beyond simple data storage

- Optimized and production ready

DSpace - CRIS 7 in a nutshell

Enriching the new DSpace 7 entities, DSpace-CRIS additionally provides:

- **Structured Metadata**: ternary relationships (e.g. publicationauthor-affiliation) and nested metadata (authors' affiliations, roles/ qualifications, etc.)

- **Enhanced Security**: not all entity types have the same security needs! Security is based on context and is granular at metadata level

- **Process Management**: data changes follow different rules and decentralized management, profiles can be self-managed, projects can change status, etc.

- **Assured Performance**: based on a proven, battle-tested approach, on hundreds of production installations for years, to manage relationships: real CRIS / RIMS systems are huge and data are deeply interconnected

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Public interface

- Configurable sections (explore):
  browsing, advanced search, faceting, listing, etc

- Configurable layout (tabs, boxes, custom field rendering) via REST API and xls files

- Interlinked navigation: inverse relations, links to other entities

- Metrics visualization (Scopus citations, WOS citations, Scopus h-index, Altmetrics, ...)

- Advanced and extensible statistics visualization (with charts, aggregated views, etc.)

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Public interface

Explore sections, browse and search can be customized

Public interface

Repository content can be accessed in many ways

Public interface

Home page content is configurable

Public interface

Configurable Layout and Security for each Entity

Public interface

Items can be exported in several formats

Public interface

Interlinked navigation

Home • CRIS • Person • Bollini, Andrea

Export ···

Bollini, Andrea

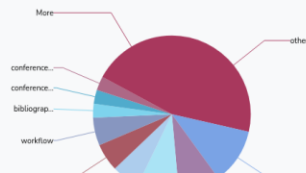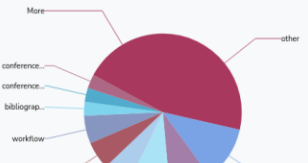|	
Preferred name	Bollini, Andrea
Main Affiliation	4Science 🏛
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	https://github.com/abollini
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Research outputs Projects Metrics Other

Research Output

Visualization by Type Visualization by Date Visualization Demo LTR Visualization Demo RTL

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Export ···
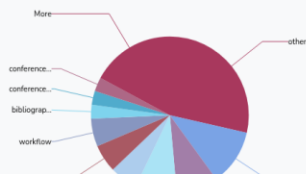
Director	Valenti, Cesare
Parent Organisation	ITWay
Founding Date	2015

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Country	IT
City	Milan
Description	4Science was established in 2015 to support universities, research and cultural institutes all around the world in managing and realizing digital projects. We guarantee full compliance with methodological and scientific international standards and we strongly support open source, open standards and interoperability protocols. The 4S...

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Metrics visualization

Scopus© H-Index
2
Last Week   Last Month
1   1
Acquisition Date
Apr 16, 2021

Scopus© Coauthor
23
Last Week   Last Month
22   21
Acquisition Date
Apr 16, 2021

Scopus© Cited By
30
Last Week   Last Month
25   30
Acquisition Date
Apr 16, 2021

Scopus© Citations
30
Last Week   Last Month
30   30
Acquisition Date
Apr 16, 2021

Scopus© Documents
6
Last Week   Last Month
5   4
Acquisition Date
Apr 16, 2021

Publication
Non-viral COVID-19 vaccine delivery systems
(2020-12-10) Cortese, Claudio 👤 ; Bollini, Andrea 👤 🆔 ; Lombardi, Corrado 👤
Scopus© Citations 2

Non-viral COVID-19 vaccine delivery systems

Journal	Adv Drug Deliv Rev
Date Issued	2020-12-10
Author(s)	Cortese, Claudio 👤 4Science 🏛 •
	Bollini, Andrea 👤 🆔 4Science 🏛
Editor(s)	Lombardi, Corrado 👤 4Science 🏛
DOI	10.1016/j.addr.2020.12.008

Scopus© citations
2 ⓘ
Acquisition Date
Apr 16, 2021

altmetric
31

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Public interface

Advanced and extensible statistics visualization
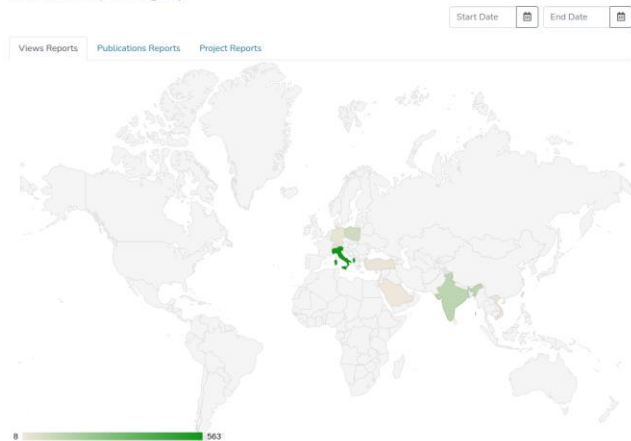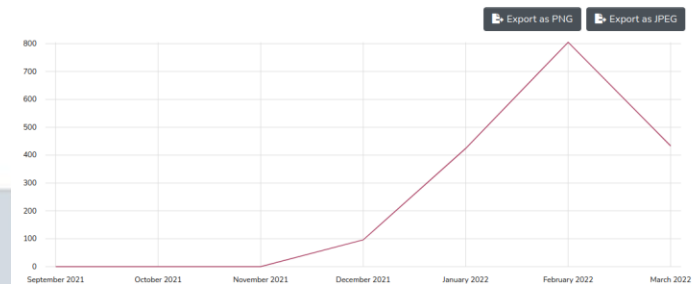
Public interface

Social share feature (via AddThis)
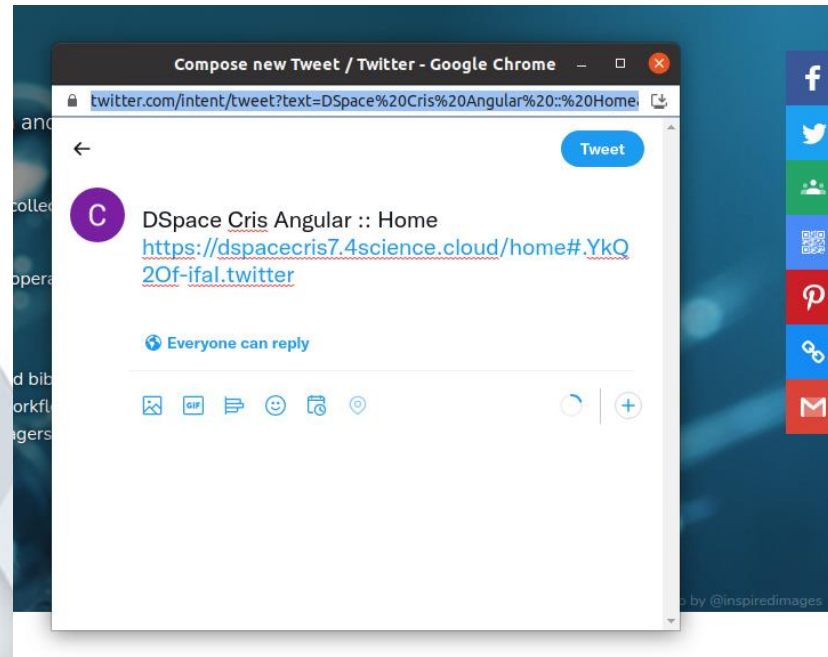
Researcher Profile

Update Profile

Researcher Profile

Researcher profile associated

Status: **PUBLIC** ⬤

+ Create new ⓘ View 🗑 Delete

Famous, Researcher

Preferred name	Famous, Researcher
Alternative Name	Bollini, Andrea
Main Affiliation	4Science 🏛
Web Site	https://www.4science.it
ORCID	0000-0002-1622-9796 ⓘ

Can be created:
- From scratch
- By claiming an existing Entity (Person)
- Following suggestion(s) from DSpace-CRIS 7 once logged in

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Submission

- Manual, with fully customizable collection based forms structure
- Live Import – integration with a variety of data sources
- Integration with the Grobid machine vision library to automatically extract metadata on PDF upload

Submission

Manual Submission

Submission

Live Import – integration with a variety of data sources
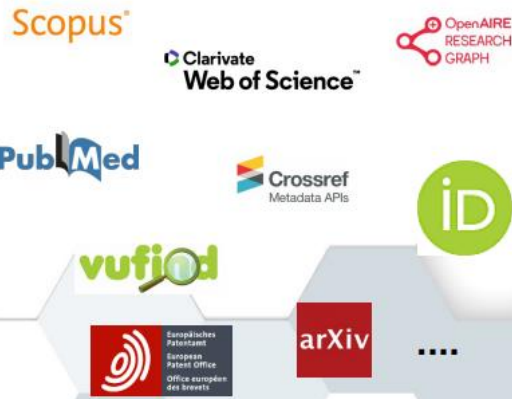
Import a publication from an external source

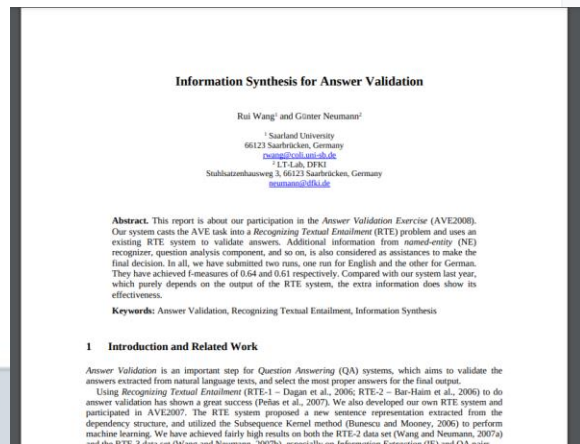| Search the external source | Pubmed ▾ | Search |

Pubmed
arXiv
Scopus

Your search returned no results.

❮ Back to MyDSpace

Large set of connectors for bibliographic and bibliometric databases (both commercial and open)

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Submission

Integration with Grobid machine vision library

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Items edit and management

- Users can have controlled permission to manage "their" objects (context based: profiles, publications, projects, etc.)

- Edit permissions can be limited to specific metadata

- Users can request changes to records that they are not allowed to edit directly. Change requests are highlighted in the workflow

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Edit

Edit Item – Archived item is changed

Edit – correction request

Correction request – Workflow is engaged

Options
Request a correction
Edit all the details
Audit
Administer

Export   Statistics   Subscribe   •••

Waiting for controller
Item
test embargo 111
(2023)
No Abstract
Is a request of correction
Submitter : Demo Site Administrator
✋ Claim

Edit – correction request

Users can request changes to records that they are not allowed to edit directly. Change requests are highlighted in the workflow

Data quality

- OpenAIRE integration with the Notification Broker
- Publication suggestions from OpenAIRE and ORCID
- Duplicate detection
- Automatic import from Scopus and WOS
- Correction request flow
- Advanced import and export capabilities (from/to xls or DBMS)

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Data quality

OpenAIRE Notification Broker

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Data quality

Suggestions from OpenAIRE or ORCID

We found **1 publications** in the ORCID registry that seems to be related to your profile. Please review the suggestions.

Missing records in the repository are automatically suggested to the researcher looking in the OpenAIRE Graph and their ORCID profile

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Data quality

Duplicate Detection

Potential duplicates are detected during submission and workflow item review.

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Data quality

Scopus and WOS Import

Via CLI command or Processes web UI, Pu

Create a new process

Script

| import-publications |

Parameters

| --service | | 🗑 |

| Add a parameter... |

Cancel   Save

import-publications

Perform the creating of workspace item using external sources (i.e. Scopus, WebOfScience)

-s --service <value>   the name of the external service to be queried
                       ("scopus" or "wos")
-e --eperson <value>   email of the eperson performing the import

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Import and export

Collections and search results can be exported

Import and export

Items can be imported in bulk mode

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Customization

Some home page (and not) components can be customized

Edit CMS Metadata 'cris.cms.home-header'

English

Edit CMS Metadata

Edit CMS Metadata 'cris.cms.footer'

English

Deutsch

Full ORCID v.3 integration

Login supported

Full ORCID v.3 integration

Researchers can connect their profile to ORCID

Full ORCID v.3 integration

Researchers can manage ORCID settings and preferences

ORCID Synchronization settings

Enable 'Manual' Synchronization mode to disable batch synchronization, so you must send your data to ORCID Registry manually

Synchronization mode

Synchronization mode

Manual

Publication preferences
- ○ Disabled
- ● All publications

Funding preferences
- ● Disabled
- ○ All fundings

Profile preferences
- ☑ Affiliation
- ☑ Education
- ☑ Biographical data
- ☑ Identifiers

Update settings

Full ORCID v.3 integration

Researchers can push profile information to ORCID registry

Full ORCID v.3 integration

Whenever appropriate, authenticated ORCIDs are shown

Bollini, Andrea

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Scopus Author ID	55484808800

Publication

DSpace Hibernate-Prototype

(2008-04-01) Bollini, Andrea 👤 (iD) ; Ninfo, Daniele 👤

This article shows the reengineering of the persistence tier of the open source software DSpace, to introduce a lower coupling in its software layers. The prototype was made using design patterns and standards from J2EE world: Domain Store, Session Façade, Application Service, JPA were also introduced for a technological upgr

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DSpace Hibernate-Prototype

Journal	LEO, Letteratura Elettronica Online
Date Issued	2008-04-01
Author(s)	Bollini, Andrea 👤 (iD) •
	Ninfo, Daniele 👤
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Subjects	DSpace Hibernate reengineering JPA digital library design pattern

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DSpace-CRIS 7 Roadmap

https://wiki.lyrasis.org/display/DSPACECRIS/Product+RoadMap

Thank you for your attention

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