

DSpace Developer Meet-Up and Q&A



Priorities for DSpace 8

DSpace 8.0 had a **shortened development cycle** and **DSpace Steering established four priorities**

1

Include major features which just missed the 7.x series of releases

FEATURES INCLUDE

- COAR Notify
- OpenAIRE Correction service
- Port "REST-based Quality Control Reports"
- Basic Duplicate Detection in Submission form

2

New features which empower users (focus on the Admin User Interface)

FEATURES INCLUDE

- Request withdrawal or reinstatement of Items
- "Processes" page reorganization
- Edit Item supports authority control lookup & lookup via external sources
- Item Submission forms can be configured for entire Community
-

3

Any other features which existed in 6.x but missed the 7.x series of releases

FEATURES INCLUDE

- Advanced Search
- Search facets on Homepage / Community / Collection
- Search within Community / Collection

4

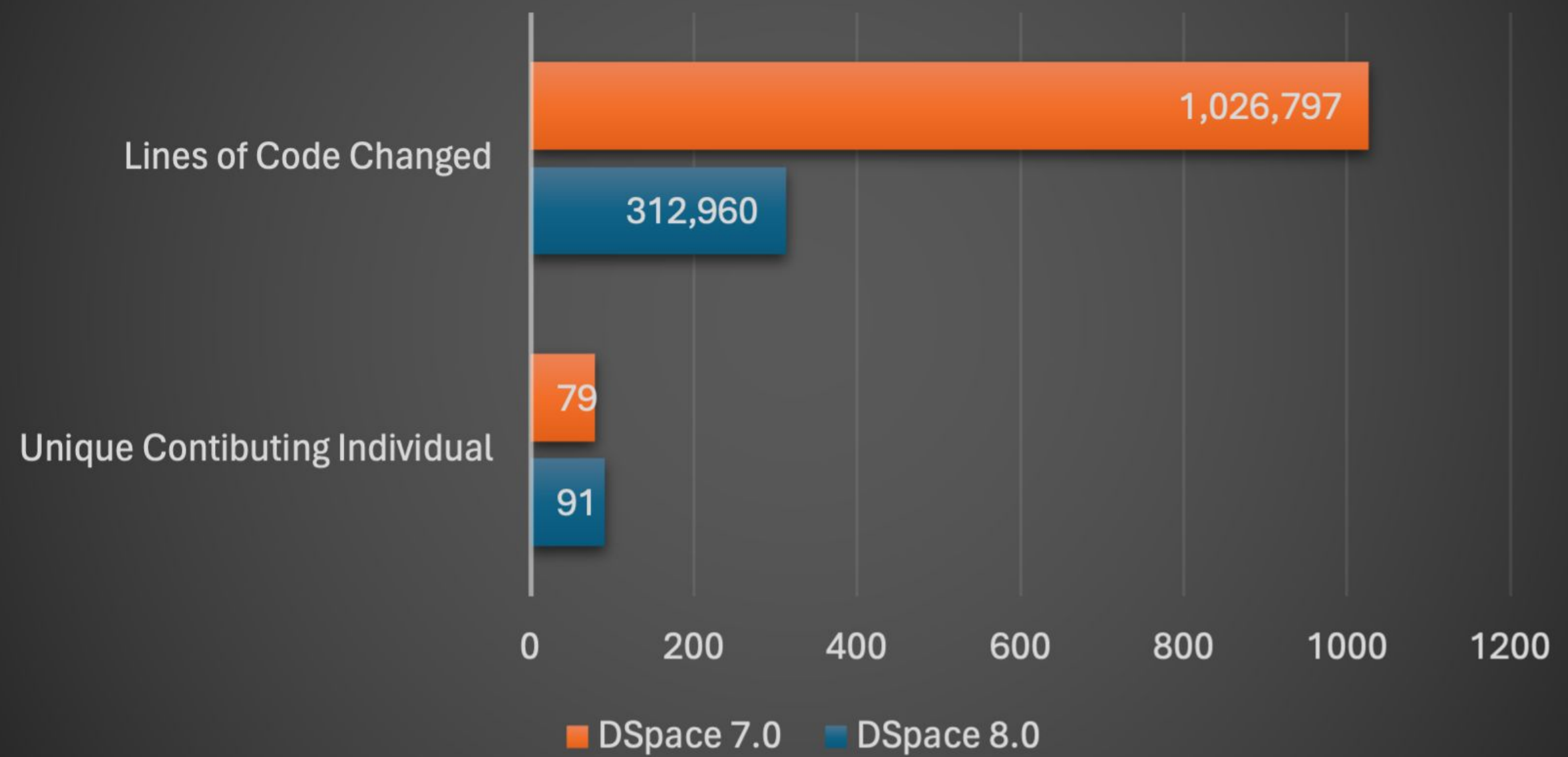
Necessary bug fixes, accessibility fixes, performance improvements & dependency upgrades

FEATURES INCLUDE

- Large number of accessibility fixes (header, navbar, search, admin tools, MyDSpace, etc.)
- Accessibility fixes backported to 7.6.2 (due in July/Aug)
- Major dependency upgrades:
 - Backend upgraded to Spring v6
 - Frontend upgraded to Angular 17

8.0 Statistics

DSpace 8.0 VS DSpace 7.0



>6,000 lines of code refactored for the dependency upgrades

Testathon revealed a number of bugs which were the result of these upgrades.

Community developers are still resolving them.

DSpace 8.0 release: Approx. June 17-24

DSpace 8.0 Feature Preview (Part 1)

OpenAIRE Data Correction & Publication Claim,
COAR Notify, and more...

DSpace 8 Features - Publication Claim

- Content exists elsewhere: assure that your repository showcases all the production of your community
- It is the result of the [OpenAIRE ELD project](#) awarded by 4Science back in 2020 and first implemented in DSpace-CRIS in 2021 now finally available in DSpace 8

A new researcher joins the institution and logs in for the first time in the repository.

The **publication claim service found most of their publications and prompts for import.**

The researcher reviews the list, confirms the authorship and imports
the publication **saving a significant amount of time....**

DSpace 8 Features - OpenAIRE Publication Claim



Communities & Collections Research Outputs Projects People Organizations Infrastructure Statistics

✓ We found **104 publications** in the OpenAIRE Graph that seems to be related to your profile. Please [review the suggestions](#)



Welcome to the DSpace Cris 7 Preview

DSpace is the world leading open source repository platform that enables organisations to:

- easily ingest documents, audio, video, datasets and their corresponding Dublin Core metadata
- open up this content to local and global audiences, thanks to the OAI-PMH interface and Google Scholar optimizations
- issue permanent urls and trustworthy identifiers, including optional integrations with handle.net and DataCite DOI

Join an international community of [leading institutions using DSpace](#).

Communities in DSpace Cris

Select a community to browse its collections.

Now showing 1 - 5 of 8

DSpace 8 Features - OpenAIRE Publication Claim



[Communities & Collections](#) [Research Outputs](#) [Projects](#) [People](#) [Organizations](#) [Infrastructure](#)

We found **104 publications** in the OpenAIRE Graph that seems to be related to your profile. Please [review the suggestions](#).

Drag & Drop your files here , or [browse](#)

[+ New submission](#)



Search DSpace

Search

Show

Your Submissions

Now showing 1 - 10 of 25

Workspace

Item

A machine learning evolutionary algorithm-based formula to assess tumor markers and predict lung cancer in cytologically negative pleural effusions

(2019-09-14) Alessandro De Stefano Gianni D'Angelo Stefano Elia Renato Massoud Claudio Cortese Franco
Malignant pleural effusion is diagnostically challenging in presence of negative cytology. The assessment of tu

Edit

Delete

Filters

Status

+

Date

+

Reset filters

Workspace

Item

Influence of acute reduction of blood viscosity on endothelial function.

(2019-03-19) Antonio Cutruzzola Marilena Minieri Concetta Irace Claudio Carallo Claudio Cortese Agostino B
BACKGROUND The relationship between blood viscosity (BV) and endothelial function is rather complex. An

DSPACE 8 Features - OpenAIRE Publication Claim

Suggestion for Claudio Cortese from the OpenAIRE Graph

Select / Deselect All (10) ✓ Approve & import Selected ⊘ Not mine Selected

Now showing 1 - 10 of 110 ⚙

<input checked="" type="checkbox"/>	Total Score 100.00	<p>Processi di trasformazione nel suburbio di Mediolanum tra tarda età repubblicana e media età imperiale. Il caso dell'area dell'Università Cattolica</p> <p>CORTESE, CLAUDIO</p> <p>Nell'area oggi occupata dall'Università Cattolica del Sacro Cuore di Milano a partire dal 1986 scavi di emergenza hanno messo in luce una porzione del suburbio occidentale di Mediolanum, e in particolare una realtà insediativa suburbana di età imperiale. Un'ampia area di tale insediamento è stata oggetto della presente ricerca che,</p>
✓ Approve & import ⊘ Not mine 👁 See evidence		
<input checked="" type="checkbox"/>	Total Score 100.00	<p>Semantic Search and Browsing nell'ambito dei Beni Culturali</p> <p>Cortese, Claudio</p> <p>Negli ultimi anni, il mondo dei beni culturali si sta rivelando una delle aree più promettenti e stimolanti per quanto concerne la sperimentazione e la diffusione degli standard e delle tecnologie che rientrano nell'ambito del "Semantic Web". All'organizzazione dei dati secondo gli standard semantici si accompagna la necessità di</p>
✓ Approve & import ⊘ Not mine 👁 See evidence		
<input checked="" type="checkbox"/>	Total Score 100.00	<p>MTHFR gene polymorphism, homocysteine and cardiovascular disease.</p> <p>(2008-06-03) Corradino Motti ; Claudio Cortese</p> <p>AbstractHomocysteine is an emerging new risk factor for cardiovascular disease. It is a thiol compound derived from methionine and involved in two main metabolic pathways: the cycle of activated methyl groups, requiring folate and vitamin B12 as cofactors, and the transsulfuration pathway to cystathionine and cysteine requiri</p>
✓ Approve & import ⊘ Not mine 👁 See evidence		
	Total Score	<p>Taking advantage of a side effect of isotretinoin.</p> <p>(2004-03-02) Claudio Cortese ; Rosamaria Corona</p> <p>Question: Do young adults who develop hypertriglyceridemia after isotretinoin therapy for acne have an inherited</p>

DSpace 8 Features - OpenAIRE Publication Claim




Communities & Collections

All of DSpace ▾

Home • Publication Claim

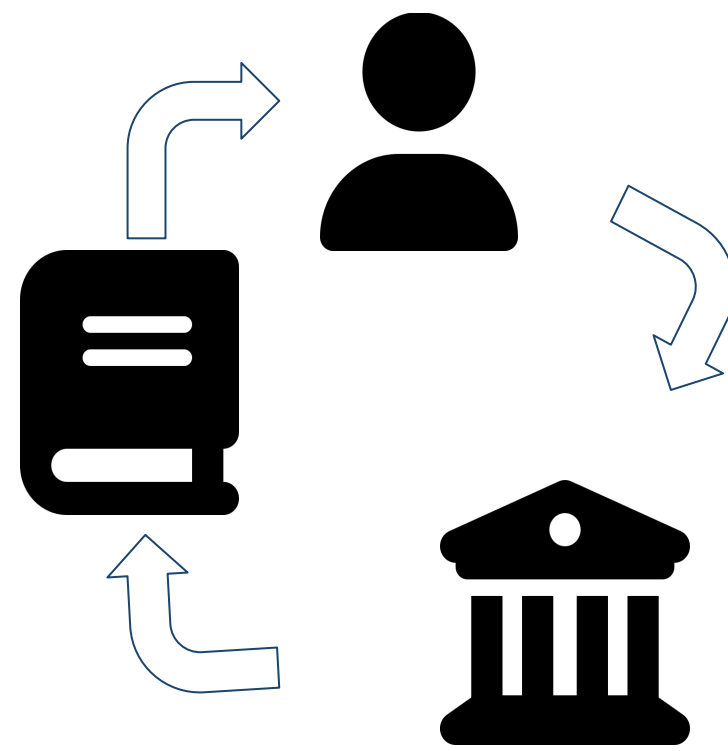
Publication Claim

Now showing 1 - 10 of 41

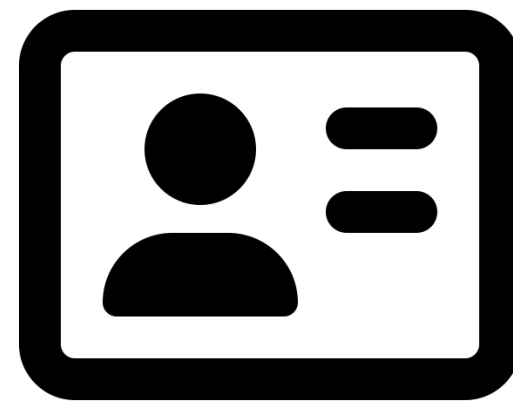
Researcher Name	Actions
Bollini, Andrea	Review 116 suggestion(s) 
Cortese, Claudio	Review 104 suggestion(s) 
Fazio, Riccardo	Review 16 suggestion(s) 
Mornati, Susanna	Review 4 suggestion(s) 

DSpace 8 Features - OpenAIRE Publication Claim

Requires:



Configurable entities



Researcher Profile

DSpace 8 Features - OpenAIRE Publication Claim

- It uses the generic service **Suggestion Service** to store, retrieve and process suggestions related to content potential of interest for researchers affiliated to the repository in SOLR (new **suggestion core**)
- It is open to future extensions by mean of additional suggestion providers (i.e. **ORCID**)
- The openAIRE provider includes a framework to evaluate the quality of the suggestions (i.e. assign a **score**)

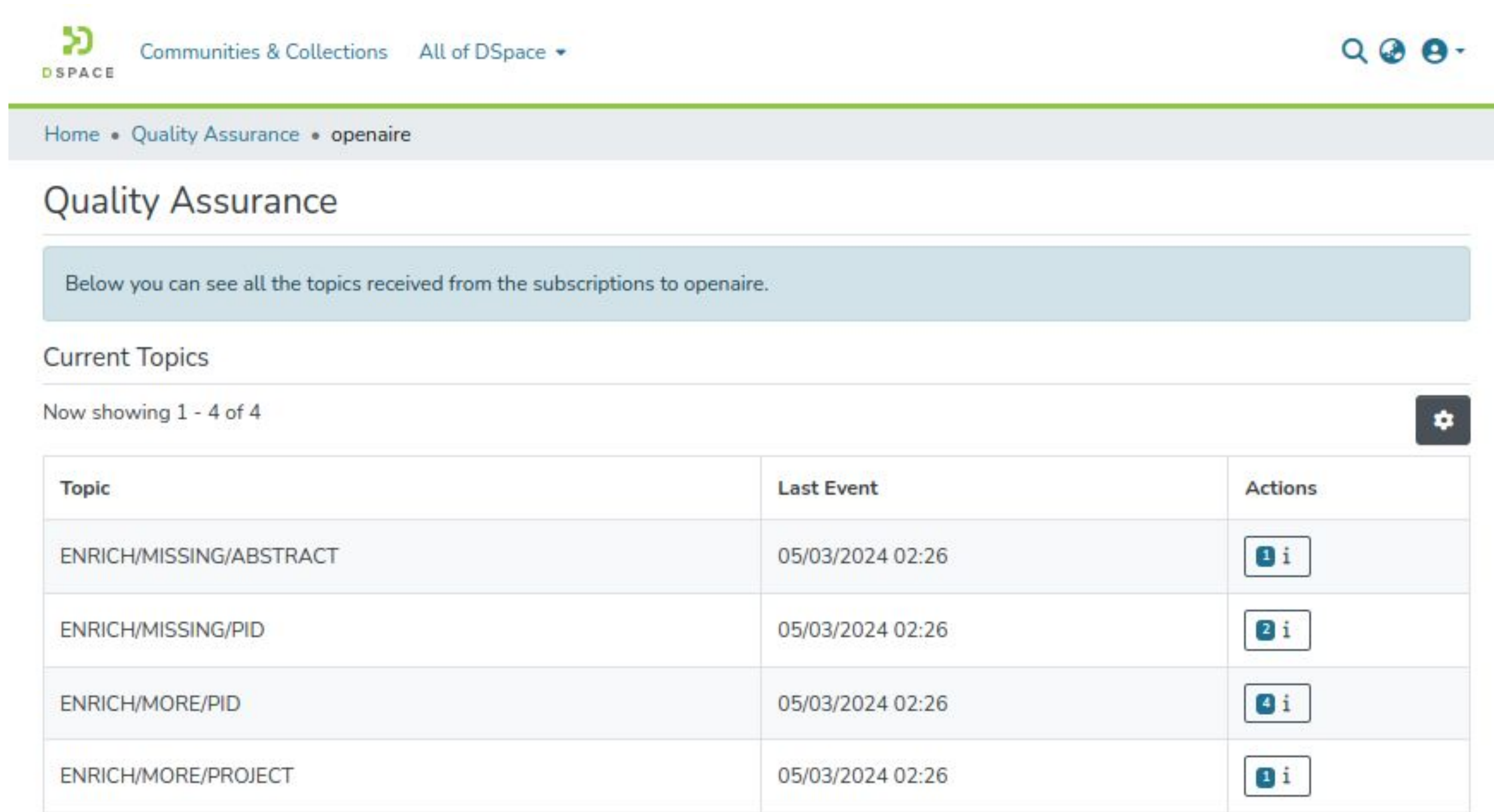
DSpace 8 Features - OpenAIRE Data Correction

- Show reliable and accurate information in your repository
- It is the result of two innovative projects, the previous mentioned [OpenAIRE ELD project](#) and the [ELD ADVANCE project](#) supported by the European Open Science Cloud Digital Innovation Hub

A **repository manager** of a repository indexed in OpenAIRE **login in the repository and see the list** of improvements and corrections identified, among others one publication that has a PMID that was **unknown to the repository** and a link to a project.

They **click on the “accept the suggestion”** button and **the new information is stored in the local record.**


DSpace 8 Features - OpenAIRE Data Correction






The screenshot shows the DSpace 8 interface. At the top left is the DSpace logo and navigation links for 'Communities & Collections' and 'All of DSpace'. On the top right are search, globe, and user icons. Below the navigation is a breadcrumb trail: 'Home • Quality Assurance • openaire'. The main heading is 'Quality Assurance'. A light blue box contains the text: 'Below you can see all the topics received from the subscriptions to openaire.' Underneath is the section 'Current Topics'. It indicates 'Now showing 1 - 4 of 4' and includes a settings gear icon. A table lists four topics, each with a last event timestamp of '05/03/2024 02:26' and an 'Actions' column containing a numbered icon and an 'i' icon.

Topic	Last Event	Actions
ENRICH/MISSING/ABSTRACT	05/03/2024 02:26	1 i
ENRICH/MISSING/PID	05/03/2024 02:26	2 i
ENRICH/MORE/PID	05/03/2024 02:26	4 i
ENRICH/MORE/PROJECT	05/03/2024 02:26	1 i

DSpace 8 Features - OpenAIRE Data Correction


 Communities & Collections All of DSpace ▾






Home • Quality Assurance • openaire • ENRICH!MORE!PROJECT

Quality Assurance Suggestions

Below the list of all the suggestions for the selected topic **ENRICH/MORE/PROJECT**, related to **openaire**.

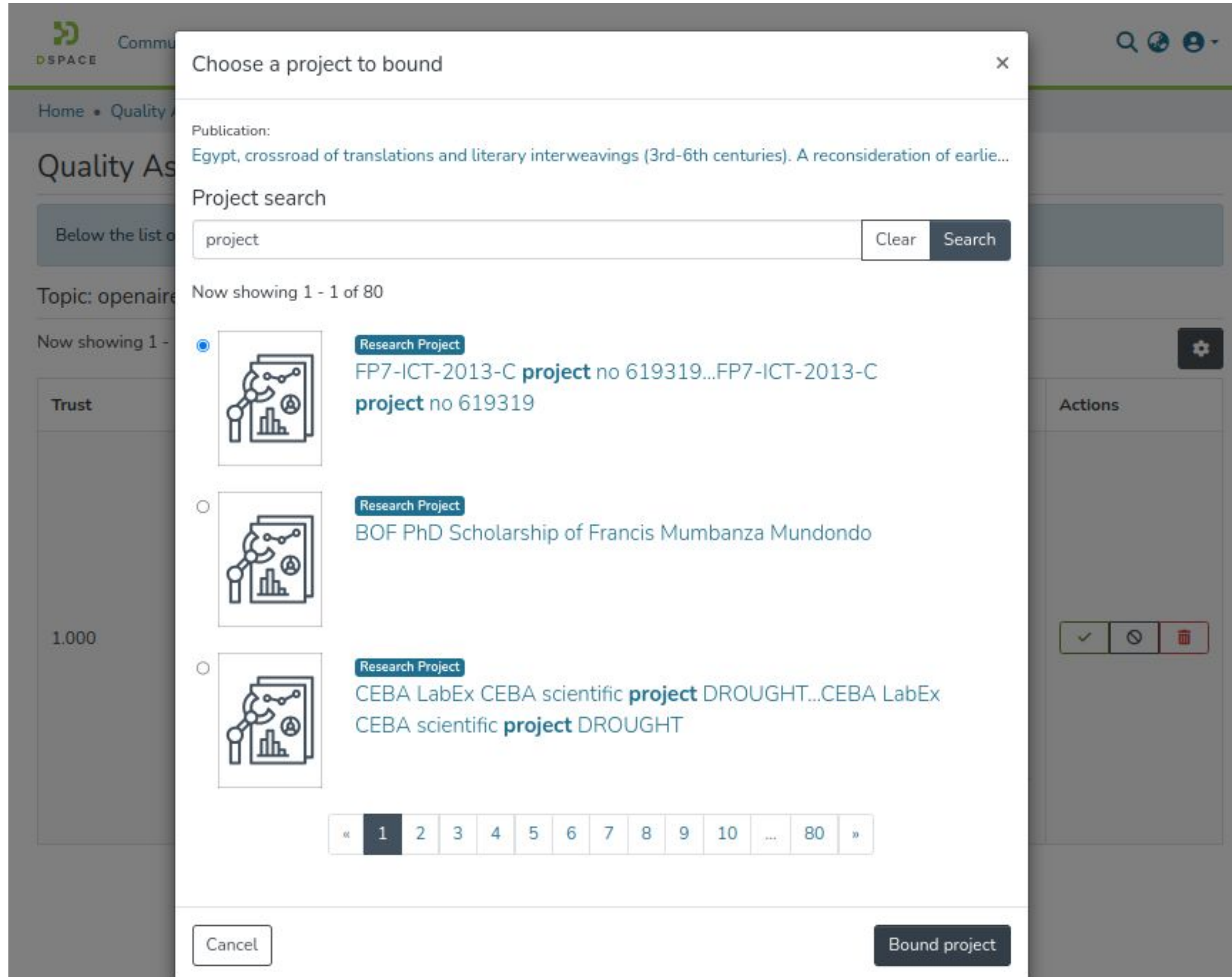
Topic: openaire:ENRICH/MORE/PROJECT

Now showing 1 - 1 of 1 

Trust	Publication	Project details	Actions
1.000	Egypt, crossroad of translations and literary interweavings (3rd-6th centuries). A reconsideration of earlier Coptic literature	OpenAIRE Suggested Project data Project title: Tracking Papyrus and Parchment Paths: An Archaeological Atlas of Coptic Literature. Literary Texts in their Geographical Context: Production, Copying, Usage, Dissemination and Storage Acronym: PATHs Code: 687567 Funder: EC Funding program: H2020 Jurisdiction: EU	<div style="text-align: right;"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div>

No local record found

DSpace 8 Features - OpenAIRE Data Correction






Choose a project to bound

Publication:
Egypt, crossroad of translations and literary interweavings (3rd-6th centuries). A reconsideration of earlie...

Project search

project

Now showing 1 - 1 of 80

-  **Research Project**
FP7-ICT-2013-C **project** no 619319...FP7-ICT-2013-C
project no 619319
-  **Research Project**
BOF PhD Scholarship of Francis Mumbanza Mundondo
-  **Research Project**
CEBA LabEx CEBA scientific **project** DROUGHT...CEBA LabEx
CEBA scientific **project** DROUGHT

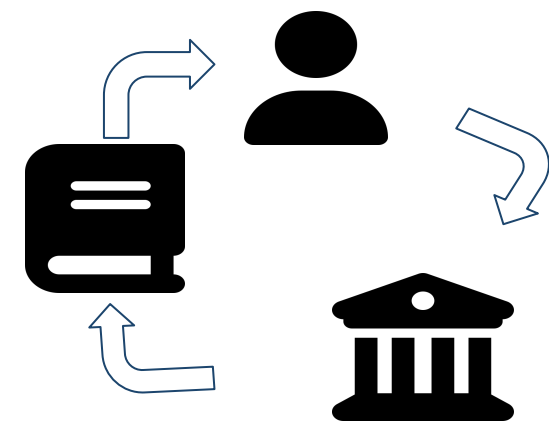
« 1 2 3 4 5 6 7 8 9 10 ... 80 »

DSpace 8 Features - OpenAIRE Data Correction

Requires:



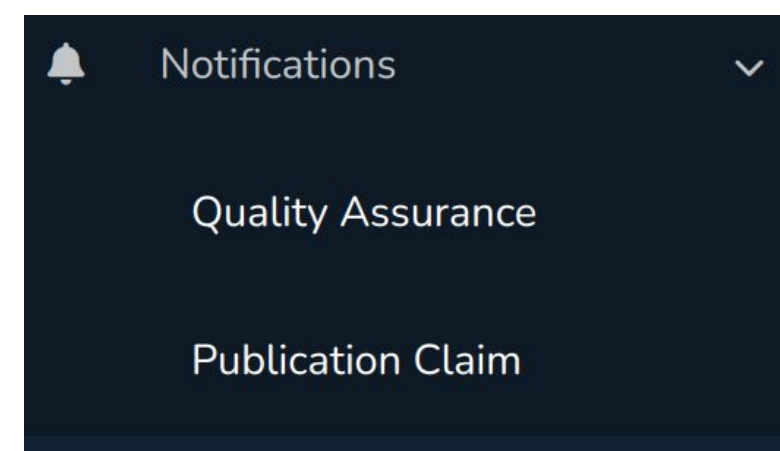
Your repository must be registered as an OpenAIRE provider



Configurable entities



Researcher Profile



Quality Assurance

DSpace 8 Features - OpenAIRE Data Correction

- It uses a generic service `QAEventService` to store, retrieve and process corrections related to **content already in the repository**, data are stored in SOLR (new `qaevent` core)
- It is open to future extensions by mean of additional correction providers (see next slides)
- It includes a framework to automatically process corrections according to configurable rules

DSpace 8 Features - DSpaceUsers Data Correction



The screenshot displays the DSpace 8 user interface. At the top, the navigation bar includes the DSpace logo, 'Communities & Collections', 'All of DSpace', and 'Statistics'. A search bar and user profile icon are also present. Below the navigation bar, a breadcrumb trail reads 'Home • Publications • Publications 2 • The ionized gas in nearby ...'. A 'Back to Results' button is located on the left.

The main content area features the title 'Publication: The ionized gas in nearby galaxies as traced by the [N II] 122 and 205 μm transitions'. To the right of the title, a 'Withdrawn this Item' tooltip is visible over a set of icons: a document with a checkmark, a pencil, and a document with an 'X'. A red arrow points to the 'Withdrawn this Item' tooltip.

Below the title, a 'Research Projects' section shows a project icon and the ID 'RSA1427378'. On the left, a box indicates 'No Thumbnail Available'.

At the bottom of the page, a metadata list is partially visible, including 'Date', 'Author', and 'Kennicutt, Robert'. A 'Show 10 more' link is at the bottom left.

A second screenshot, overlaid on the bottom right, shows a 'This item has been withdrawn' message in an orange box. To the right of this message are two buttons: 'Take me to the home page' and 'Request reinstate'. A red arrow points to the 'Request reinstate' button.

Below the 'Request reinstate' button, the following text is visible: 'KINGFISH and Beyond the Peak surveys, we have compiled 141 spatially resolved regions with a typical size of ~1 kiloparsec, with observations of both [N II] far-infrared lines. We measure [N II] 122/205 line ratios in the ~ 0.6 - 6 range, which corresponds to electron gas densities $n_e \sim 1 - 300 \text{ cm}^{-3}$, with a median value of $n_e = 30 \text{ cm}^{-3}$. Variations in the electron density within individual galaxies can be as high as a factor of ~ 50, frequently with strong radial gradients. We find that n_e increases

DSpace 8 Features - DSpaceUsers Data Correction



Communities & Collections All of DSpace ▾



Home • Quality Assurance • DSpaceUsers • DSpaceUsers

Quality Assurance Suggestions

Below the list of all the suggestions for the selected topic.

Topic: DSpaceUsers:REQUEST/M




Communities & Collections All of DSpace ▾



Now showing 1 - 4 of 4

Home • MyDSpace

Trust	Publication
1.000	The cross-quantile dependence of directional prediction time series


 There are 4 pending review to check
 Check

 Drag & Drop your files here, or [browse](#)
+
-

1.000	Computational models in the age of large datasets		dspacedemo+submit@gmail.com	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1.000	Correlations in ion channel expression emerge from homeostatic tuning rules		dspacedemo+submit@gmail.com	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1.000	The International Postal Network and Other Global Flows as Proxies for National Wellbeing		dspacedemo+admin@gmail.com	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

DSpace 8 Features - DSpaceUsers Data Correction

- It is another provider of the Data Correction functionality just presented, it generates **QAEEvent**
- It collects correction proposals by the DSpace Users (**DSpaceUsers source**), currently the following **CorrectionType(s)** are provided:
 - request to withdrawal
 - request to reinstate
- Thanks to the previous mentioned processing framework it allows automatic approval of request according to flexible rules (based on the **ItemFilter** framework)

DSpace 8 Features - COAR Notify



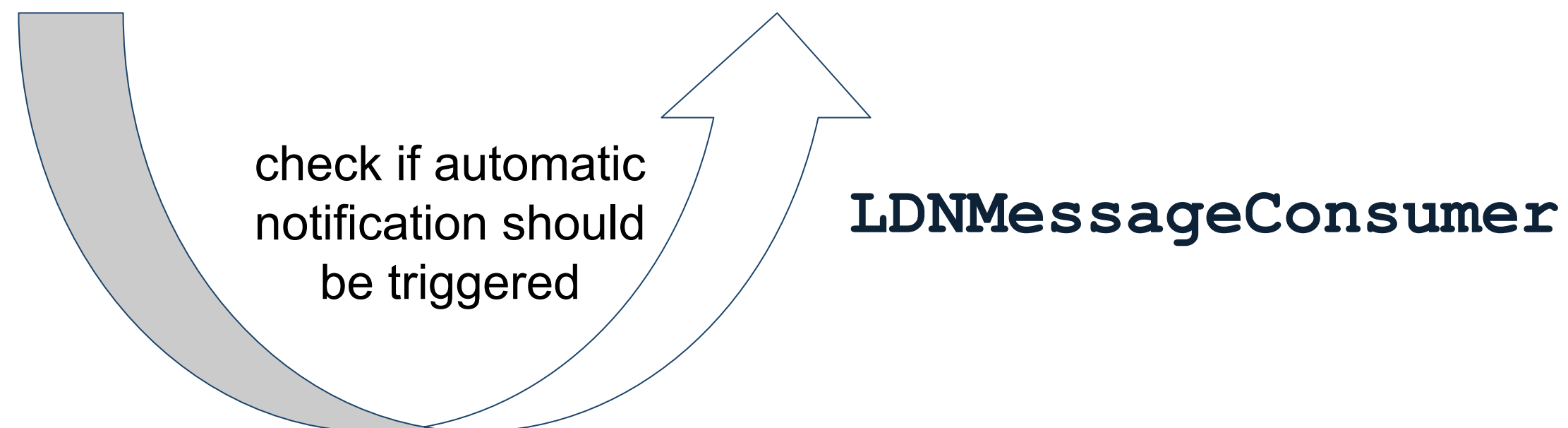
I have a publication that uses your dataset



DSPACE


Link to a dataset is in the metadata


Link the dataset back to DSpace



DSpace 8 Features - COAR Notify

- Management
- + New >
- Edit >
- Import >
- Export >
- Notifications >
- Access Control >
- Admin Search
- Registries >
- Curation Task
- Processes
- Health
- Administer Workflow
- System-wide Alert
- COAR Notify ▾
- Dashboard
- LDN Services


Communities & Collections All of DSpace ▾



Home • Registered Services

Registered Services

+ New

Now showing 1 - 4 of 4

Name	Description	Status	Actions
COTTAGE LABS	Test service by Cottage Labs	Enabled	✖ ✎
test	test	Enabled	✖ ✎
notify-inbox ACCEPTED AUT.	COAR Notify LDN inbox and validation system Approves automatically items whose title ends with "demo"	Enabled	✖ ✎
NOTIFY inbox - Automatic service	Service used to automatically send the requests No items filter is used	Enabled	✖ ✎

DSpace 8 Features - COAR Notify

Home • Registered Services • New Service

Create service

Name

Description

Service URL

Level of trust

Service IP range

Please enter a valid IPv4 in both range bounds (note: for single IP, please enter the same value in both fields)

LDN Inbox URL

Inbound Pattern

Item Filter

Automatic



[+ Add more](#)

Discard

Save

DSpace 8 Features - COAR Notify

COAR Notify ✓ ^

You can request a review to one of the following services

Select a service for request-review of this item

[+ Add more](#)

You can request an Endorsement to one of the following overlay journals

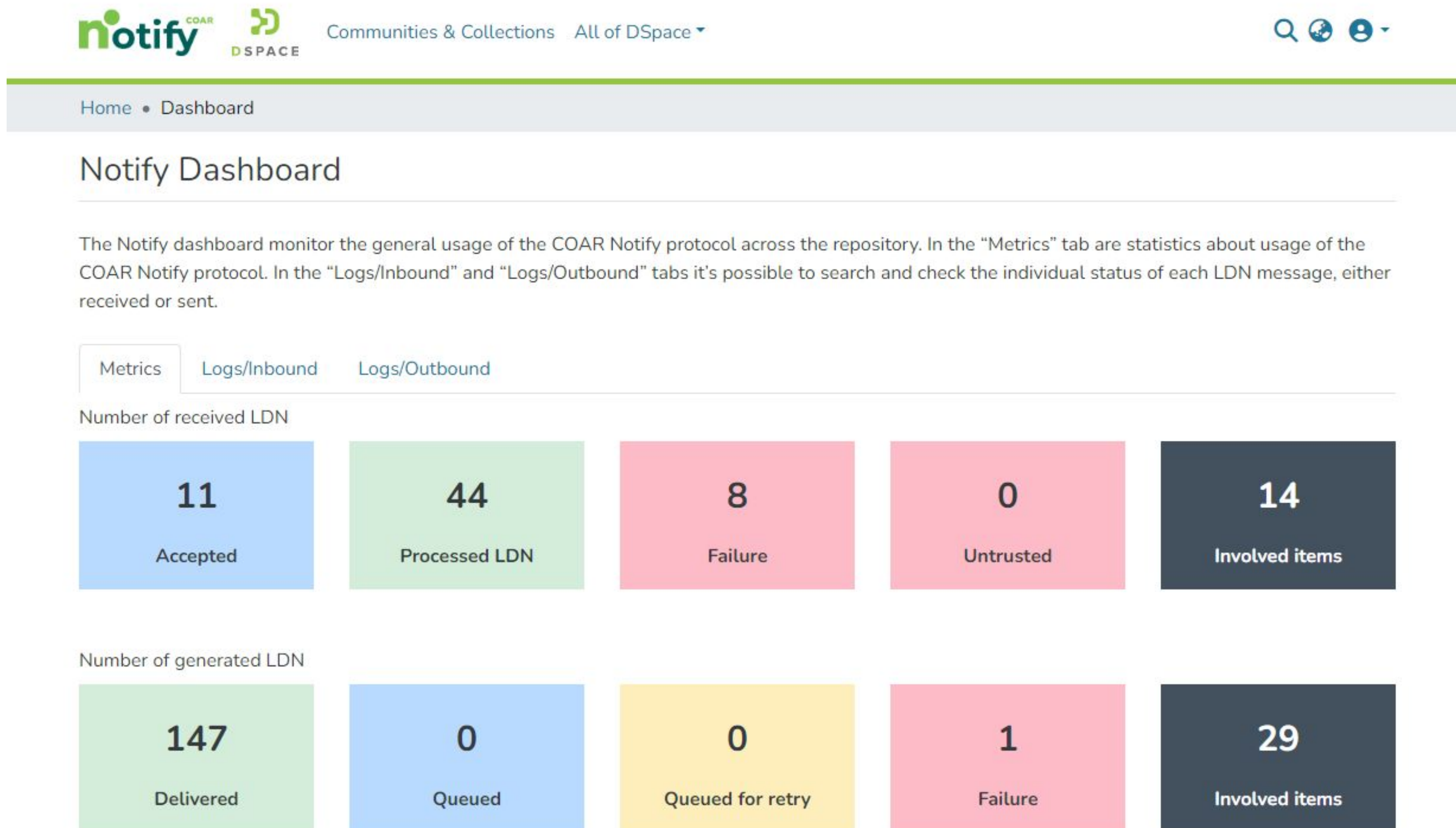
Select a service for request-endorsement of this item

[+ Add more](#)

You can request to ingest a copy of your submission to one of the following services

Select a service for request-ingest of this item

DSpace 8 Features - COAR Notify



The screenshot shows the COAR Notify dashboard interface. At the top, there are logos for 'notify COAR' and 'DSpace', along with navigation links for 'Communities & Collections' and 'All of DSpace'. A search bar and user profile icon are also visible. Below the navigation is a breadcrumb trail: 'Home • Dashboard'. The main heading is 'Notify Dashboard'. A descriptive paragraph explains the dashboard's purpose: monitoring COAR Notify protocol usage, with tabs for 'Metrics', 'Logs/Inbound', and 'Logs/Outbound'. The 'Metrics' tab is active, showing two sections: 'Number of received LDN' and 'Number of generated LDN'. Each section contains five data cards with values and labels.

Home • Dashboard

Notify Dashboard

The Notify dashboard monitor the general usage of the COAR Notify protocol across the repository. In the "Metrics" tab are statistics about usage of the COAR Notify protocol. In the "Logs/Inbound" and "Logs/Outbound" tabs it's possible to search and check the individual status of each LDN message, either received or sent.

Metrics | Logs/Inbound | Logs/Outbound

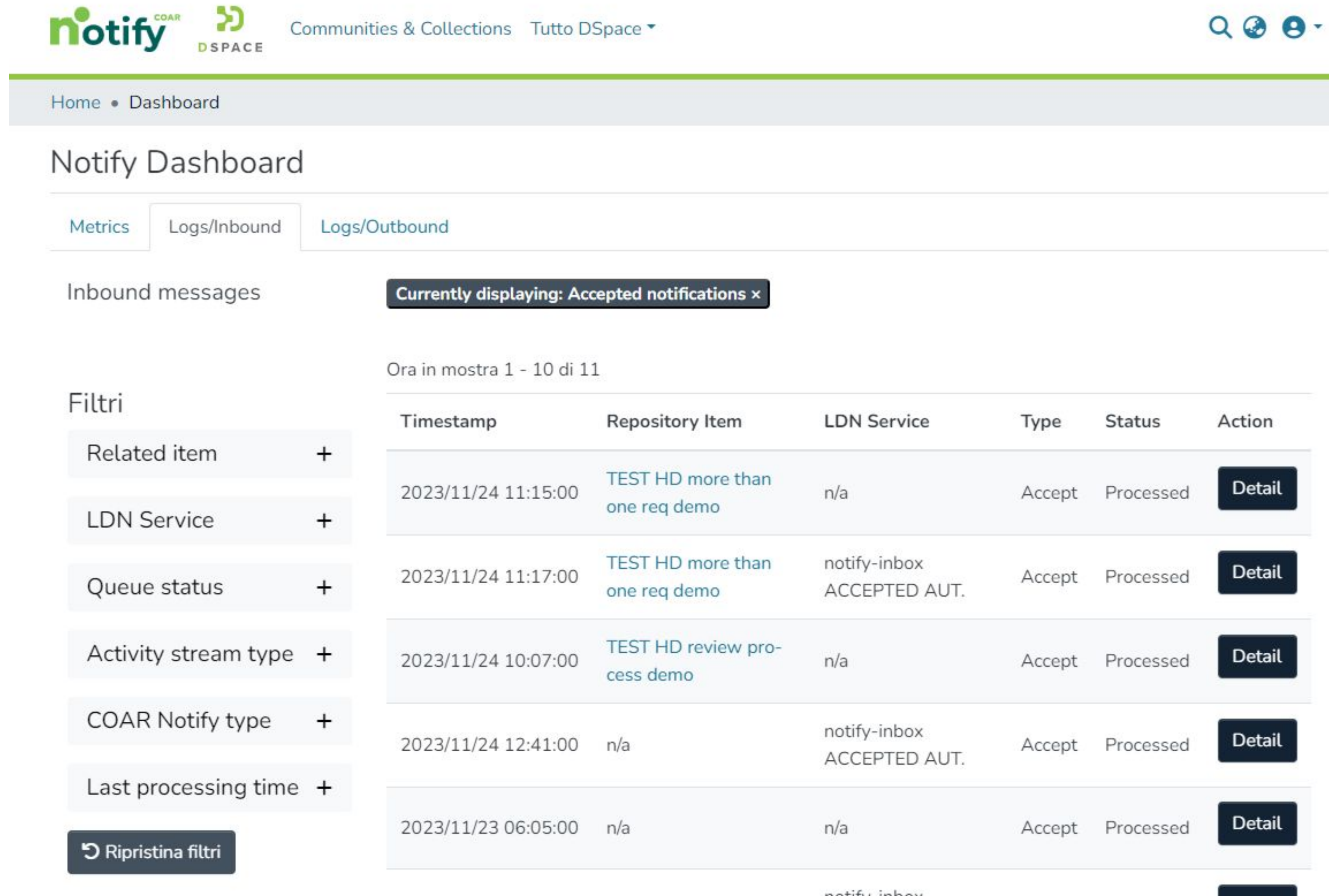
Number of received LDN


11 Accepted	44 Processed LDN	8 Failure	0 Untrusted	14 Involved items
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Number of generated LDN

147 Delivered	0 Queued	0 Queued for retry	1 Failure	29 Involved items
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DSpace 8 Features - COAR Notify




 Communities & Collections Tutto DSpace ▾

Home • Dashboard

Notify Dashboard

[Metrics](#)
[Logs/Inbound](#)
[Logs/Outbound](#)

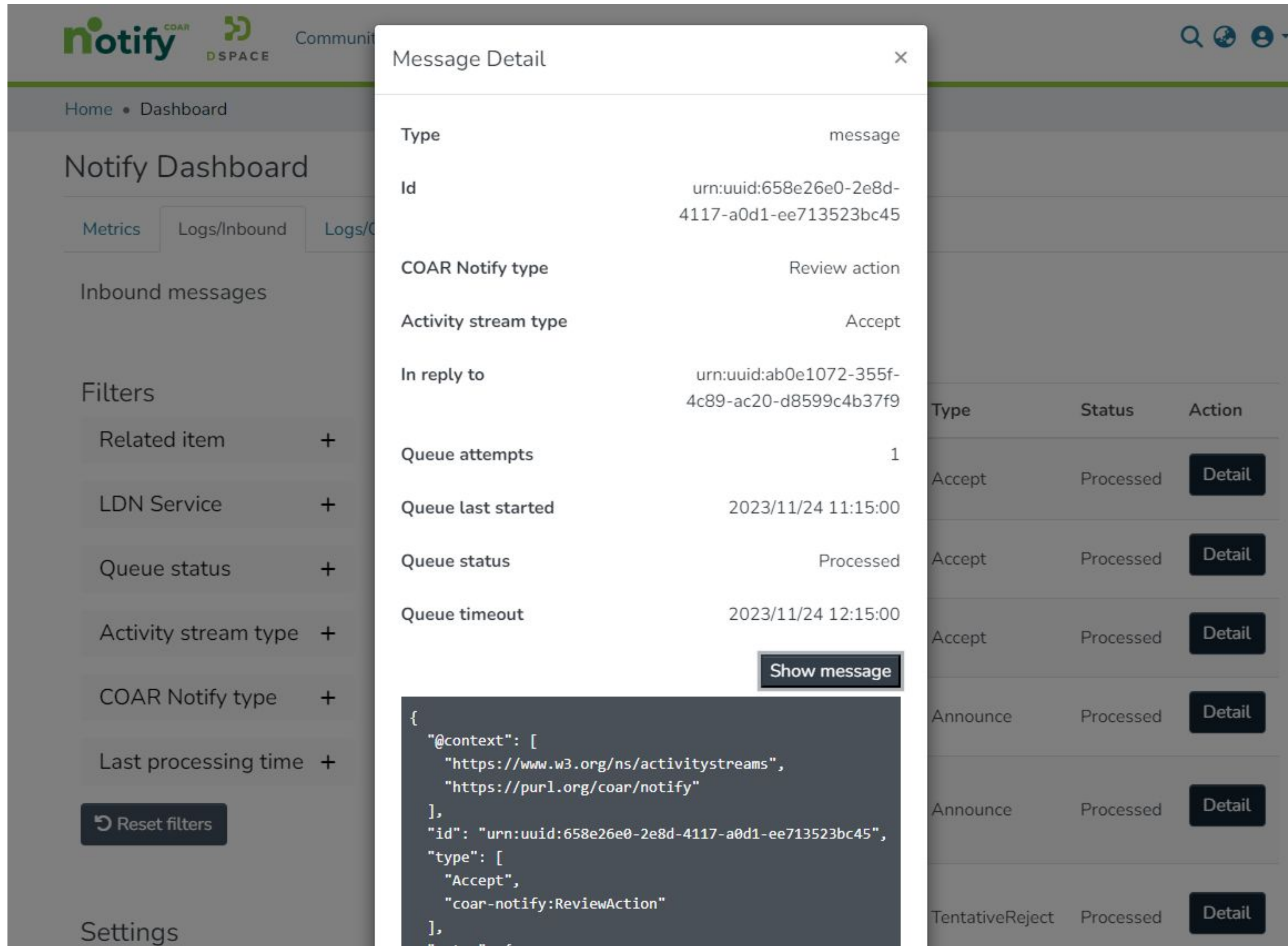
Inbound messages Currently displaying: Accepted notifications ×

Ora in mostra 1 - 10 di 11

Timestamp	Repository Item	LDN Service	Type	Status	Action
2023/11/24 11:15:00	TEST HD more than one req demo	n/a	Accept	Processed	Detail
2023/11/24 11:17:00	TEST HD more than one req demo	notify-inbox ACCEPTED AUT.	Accept	Processed	Detail
2023/11/24 10:07:00	TEST HD review process demo	n/a	Accept	Processed	Detail
2023/11/24 12:41:00	n/a	notify-inbox ACCEPTED AUT.	Accept	Processed	Detail
2023/11/23 06:05:00	n/a	n/a	Accept	Processed	Detail

[Ripristina filtri](#)

DSpace 8 Features - COAR Notify



The screenshot displays the DSpace 8 COAR Notify dashboard. A modal window titled "Message Detail" is open, showing the following information:

- Type: message
- Id: urn:uuid:658e26e0-2e8d-4117-a0d1-ee713523bc45
- COAR Notify type: Review action
- Activity stream type: Accept
- In reply to: urn:uuid:ab0e1072-355f-4c89-ac20-d8599c4b37f9
- Queue attempts: 1
- Queue last started: 2023/11/24 11:15:00
- Queue status: Processed
- Queue timeout: 2023/11/24 12:15:00

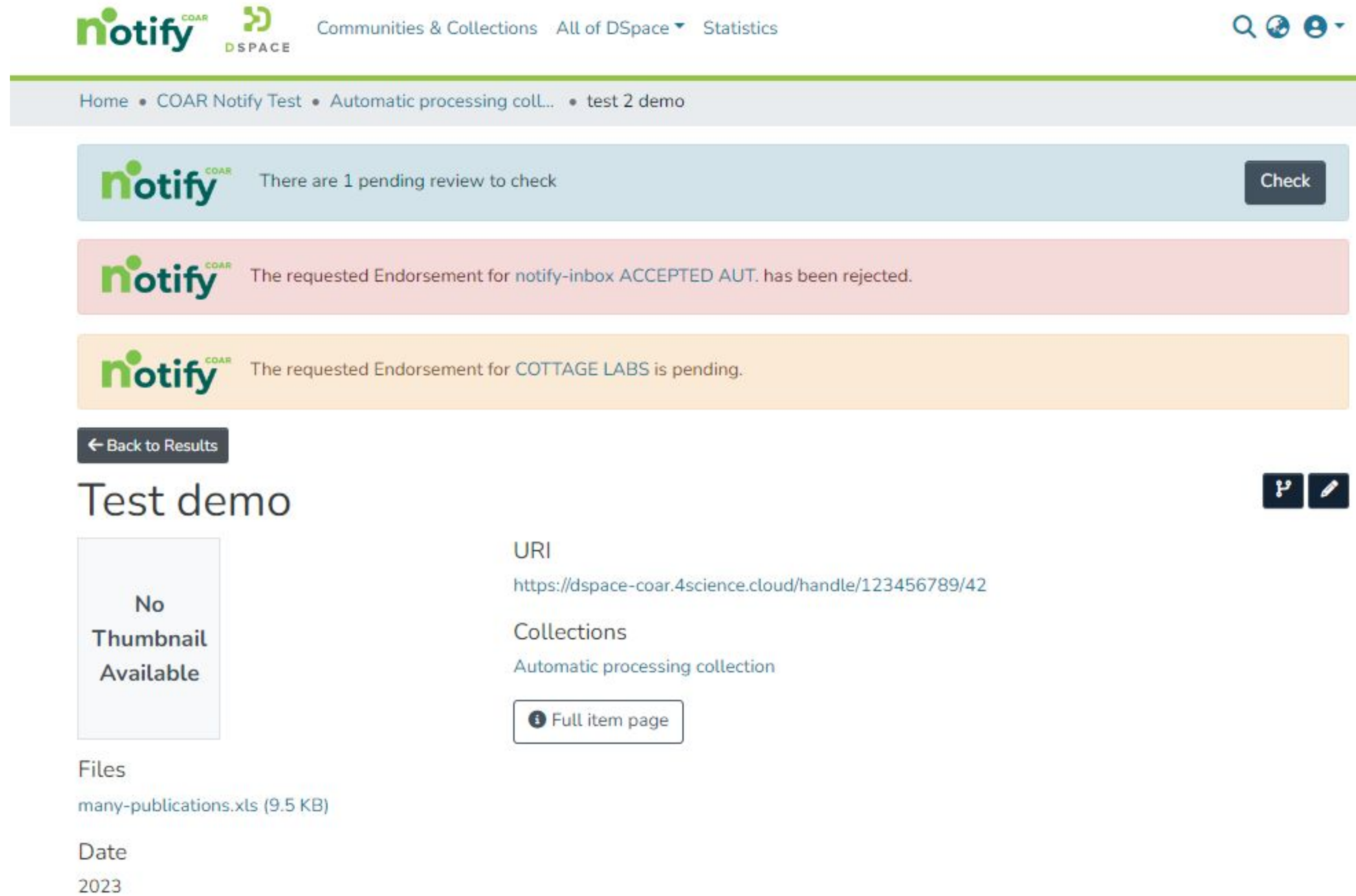
Below the modal, a "Show message" button is visible. At the bottom of the modal, a JSON snippet is shown:

```
{
  "@context": [
    "https://www.w3.org/ns/activitystreams",
    "https://purl.org/coar/notify"
  ],
  "id": "urn:uuid:658e26e0-2e8d-4117-a0d1-ee713523bc45",
  "type": [
    "Accept",
    "coar-notify:ReviewAction"
  ],
  "url": "https://purl.org/coar/notify/urn:uuid:658e26e0-2e8d-4117-a0d1-ee713523bc45"
}
```

The background dashboard shows the "Notify Dashboard" with tabs for "Metrics", "Logs/Inbound", and "Logs/Outbound". The "Inbound messages" section is active, displaying a table of messages:

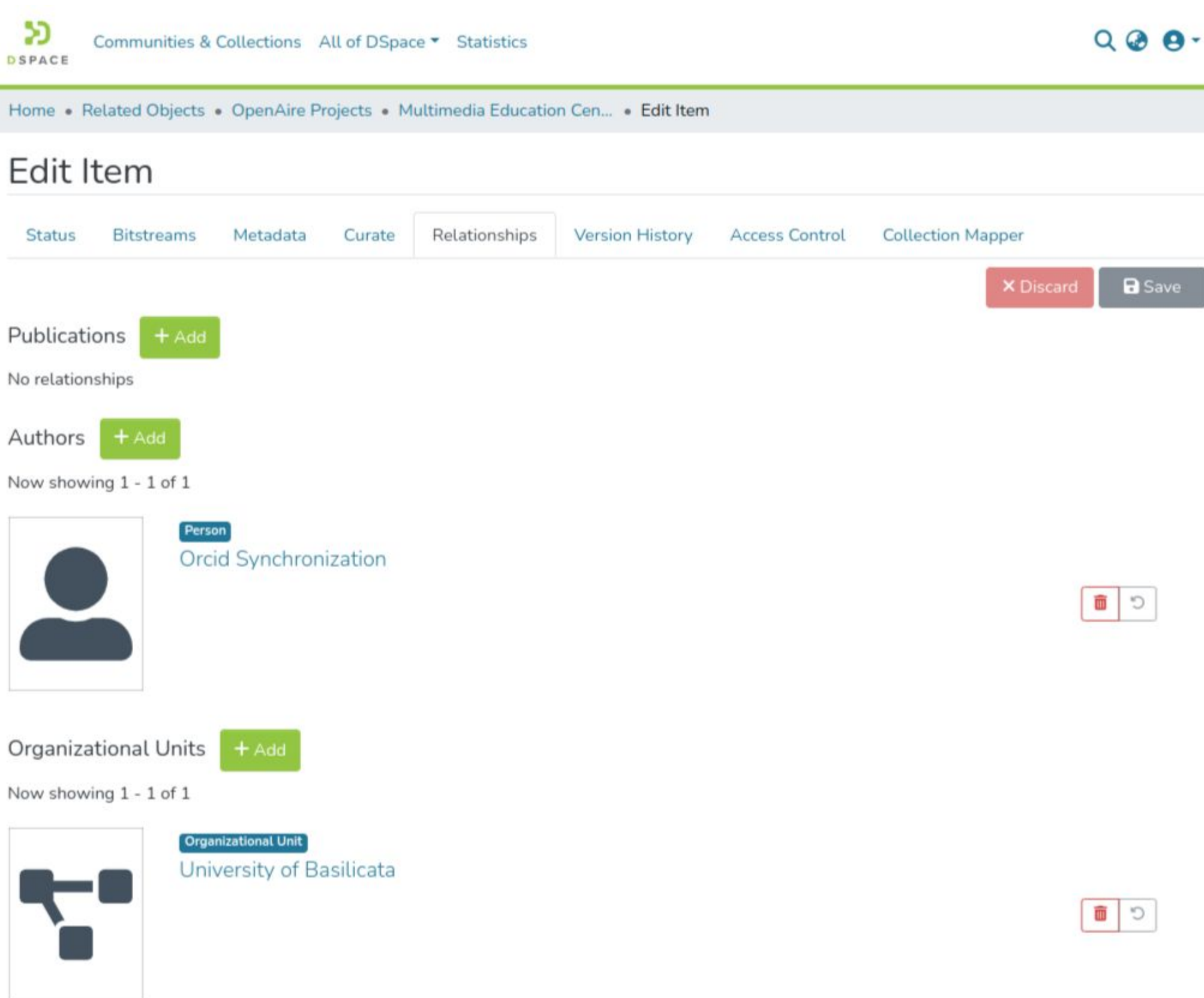
Type	Status	Action
Accept	Processed	Detail
Accept	Processed	Detail
Accept	Processed	Detail
Announce	Processed	Detail
Announce	Processed	Detail
TentativeReject	Processed	Detail

DSpace 8 Features - COAR Notify

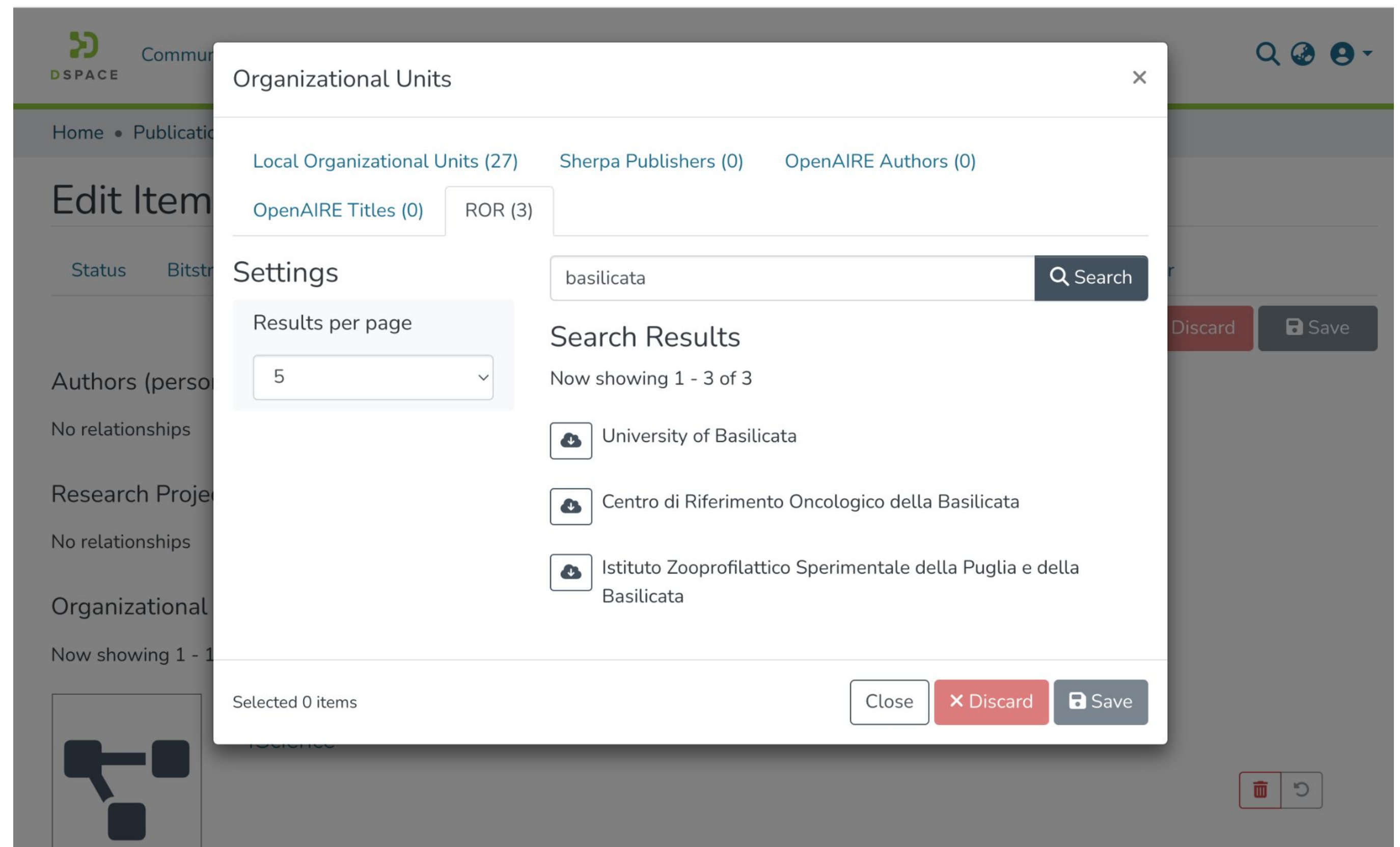


The screenshot displays the DSpace COAR Notify interface. At the top, there is a navigation bar with the 'notify' logo, 'DSpace' logo, and links for 'Communities & Collections', 'All of DSpace', and 'Statistics'. A search icon and user profile icon are also present. Below the navigation bar is a breadcrumb trail: 'Home • COAR Notify Test • Automatic processing coll... • test 2 demo'. The main content area features three notification cards: a light blue card with 'notify' logo and 'There are 1 pending review to check' with a 'Check' button; a light red card with 'notify' logo and 'The requested Endorsement for notify-inbox ACCEPTED AUT. has been rejected.'; and a light orange card with 'notify' logo and 'The requested Endorsement for COTTAGE LABS is pending.'. Below these cards is a '← Back to Results' button. The main item title is 'Test demo' with a 'P' icon and an edit icon. To the left of the item details is a placeholder box with the text 'No Thumbnail Available'. The item details include: 'URI' with the URL 'https://dspace-coar.4science.cloud/handle/123456789/42'; 'Collections' with the text 'Automatic processing collection'; and a 'Full item page' button. Below the details, there is a 'Files' section with the file 'many-publications.xls (9.5 KB)' and a 'Date' section with the year '2023'.

DSpace 8 Features - ROR Integration



The screenshot shows the 'Edit Item' page in DSpace. The breadcrumb trail is: Home • Related Objects • OpenAire Projects • Multimedia Education Cen... • Edit Item. The page has tabs for Status, Bitstreams, Metadata, Curate, Relationships, Version History, Access Control, and Collection Mapper. The 'Organizational Units' section is active, showing a '+ Add' button and 'Now showing 1 - 1 of 1'. A single organizational unit is listed: University of Basilicata.



The screenshot shows the 'Organizational Units' modal window. It has tabs for Local Organizational Units (27), Sherpa Publishers (0), OpenAIRE Authors (0), OpenAIRE Titles (0), and ROR (3). The search bar contains 'basilicata' and the search button is pressed. The search results are: University of Basilicata, Centro di Riferimento Oncologico della Basilicata, and Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata. The 'Results per page' dropdown is set to 5. At the bottom, it says 'Selected 0 items' and has buttons for Close, Discard, and Save.


DSPACE 8 Features - ROR Integration

DSpace Communities & Collections All of DSpace ▾ Statistics

Home • Related Objects • OrgUnits • University of Basilicata

[← Back to Results](#)

Organizational Unit: University of Basilicata



ROR Identifier
[ROR https://ror.org/03tc05689](https://ror.org/03tc05689)

[Full item page](#)

Date established
 1982

City
 Potenza

▼ Funding (2) ⊕ Add ☰ Sort

Multimedia Education Center For Comprehensive Assistance (Mecca) 👁 Everyone ▾

Contract [Show less detail](#)
 University of Basilicata (Potenza, IT)
 URL: <http://localhost:4000/handle/123456789/1132>
 GRANT_NUMBER: 7907715

Organization identifiers
 ROR: <https://ror.org/03tc05689>
 University of Basilicata: Potenza, IT
<http://portale.unibas.it/site/home.html>

Other organization identifiers provided by ROR
 FUNDREF: 501100012698 (preferred)
 GRID: grid.7367.5 (preferred)
 ISNI: [0000000119391302](https://orcid.org/0000000119391302)
 ORGREF: 3048267
 WIKIDATA: [Q1084383](https://www.wikidata.org/wiki/Q1084383)
 WIKIPEDIA_URL: http://en.wikipedia.org/wiki/University_of_Basilicata (preferred)

Added
 2023-12-19

Last modified
 2023-12-19

Source: ✔ DSpaceCris7 🗑

DSpace 8.0 Feature Preview (Part 2)








Improvements to Processes, embedded Search, Duplicate
Detection, Administrative Reports, and more...

Processes page redesigned

Processes Overview

+ New

Now showing 1 - 20 of 47

Process ID	Name	User	Start time (UTC)	Finish time (UTC)	Status	Actions
58	metadata-import	Express Admin	2024-03-07 20:51:20	2024-03-07 20:51:21	COMPLETED	
57	metadata-import	Express Admin	2024-03-07 20:50:40	2024-03-07 20:50:40	COMPLETED	
56	metadata-export-search	Express Admin	2024-03-07 20:48:13	2024-03-07 20:48:13	COMPLETED	
54	metadata-export-search	Express Admin	2024-03-07 20:42:31	2024-03-07 20:42:31	COMPLETED	
46	metadata-export-search	Atmire Client	2024-03-04 19:04:33	2024-03-04 19:04:34	COMPLETED	
45	metadata-export-search	Express Admin	2023-12-19 21:36:50	2023-12-19 21:36:50	COMPLETED	
44	metadata-export-search	Express Admin	2023-10-25 13:26:12	2023-10-25 13:26:12	COMPLETED	
43	metadata-export-search	Atmire Client	2023-06-26 22:21:19	2023-06-26 22:21:20	COMPLETED	

Processes page redesigned

Processes Overview

+ NEW

Running processes **11** >

Scheduled processes **13** >






Succeeded processes **3336** >

Failed processes **91** >

Processes page redesigned

Succeeded processes 3336 ▼

Now showing 1 - 5 of 3336

Process ID	Name	User	Completed on	Actions
3471	metadata-export	Administrator	2024-04-11 09:28:42	
3470	metadata-import	Administrator	2024-04-09 15:06:20	
3469	metadata-import	Administrator	2024-04-09 15:05:29	
3468	harvest	Administrator	2024-04-09 15:04:21	
3467	harvest	Administrator	2024-04-09 15:04:07	

Processes page redesigned

Processes Overview

https://demo.dspace.org/processes

Processes Overview

Go

Filters

Status

- Running
- Queued
- Succeeded
- Failed

Started by

- Anybody
- Me
- User: Donald Smith Jr.

Script

- filter-media

Reset all filters

Start a new process

Running

	Name	Started by	Time elapsed	
	filter-media -f	Donald Smith Jr.	2m 31s	

Queue

	Name	Started by	Added on	
	index-discovery -b	James Howard	2023-10-25 11:33:1	
	metadata-import -f import.csv	Elissa Stevenson	2023-10-25 12:02:4	

Completed

	Name	Started by	Completed on	
	curate -t profileformats -i all	Doyle Waller	2023-10-24 16:49:0	
	harvest -g -i com 20.500.12542 184	Donald Smith Jr.	2023-10-24 16:03:0	
	metadata-export -i 746fe783-2509-4b35-901d-094d	Joseph Banks	2023-10-23 13:49:4	
	filter-media -f	Donald Smith Jr.	2023-10-19 14:12:0	
	filter-media -f	Donald Smith Jr.	2023-10-19 14:05:3	

<< < 1 2 3 ... 10 > >>

Basic Duplicate detection

Basic detection mechanism to prevent duplicate items in the repository.

- Compares item titles in SOLR with the submitted item's title
- Configurable degree of variation (uses levenshtein distance)

Duplicates can be found:

- By submitters or editors **via a submission step** to warn submitters or editors of potential duplicates
- **By Workflow reviewers or editors** through a warning for claimed and pooled tasks indicating the total number of potential duplicates.
- **Through a new /duplicates REST item link** which will search and retrieve a paged list of potential duplicates for any item

Basic Duplicate detection

Potential duplicates

Potential duplicates were detected. Please review the list below.

Neuerer Publisher

Title: Neuerer Publisher

Entity Type: Publisher

Basic Duplicate detection

No Thumbnail Available

Waiting for controller

Item

neuererpublisher


(2024) asdf


asdf

Submitter: N/A

Collection: pubs

1 potential duplicates were detected for this item. Claim and edit this item to see details.

 Claim

 View

Search tab on Community/Collection pages

Publications

Permanent URI for this community <https://demo7.dspace.org/handle/123456789/1>

Browse

Search Subcommunities and Collections By Issue Date By Author By Title By Subject By Subject Category

☰ ☒ 🔍 Search

Filters

- Author +
- Subject +
- Date +
- Has files +
- Item Type +

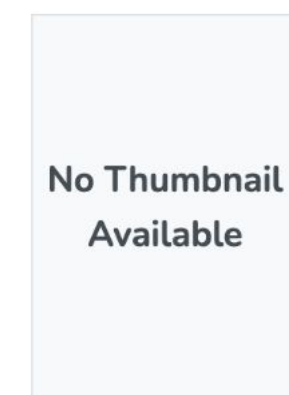
↻ Reset filters

Advanced Search

Filter by

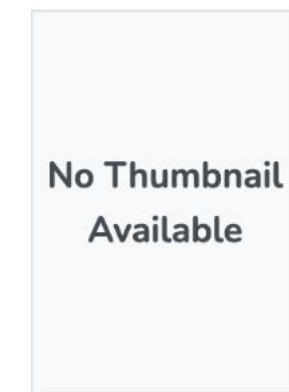
Search Results

Now showing 1 - 10 of 261



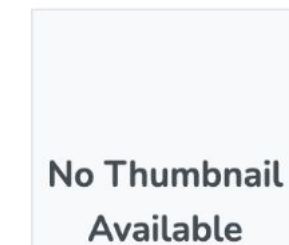
Publication Metadata only

The International Postal Network and Other Global Flows as Proxies for National Wellbeing
(Public Library of Science, 01/06/16) Hristova, Desislava; Rutherford, Alex; A
▼ Show more



Publication Metadata only

The ionized gas in nearby galaxies as traced by the [N II] 122 and 205 μm transitions
(Institute of Physics, 2016) Herrera-Camus, R; Bolatto, A; Smith, JD; Draine, E
▼ Show more



Publication Metadata only

The Vanishing Atrial Mass
(Oxford University Press, 07/07/16) Tarkin, Jason; Rudd, James; Belham, Mar
▼ Show more

Search tab on Community/Collection pages

Publications

Permanent URI for this community <https://demo7.dspace.org/handle/123456789/1>

Browse

Search Subcommunities and Collections By Issue Date By Author By Title By Subject By Subject Category



Search the repository ...

Search

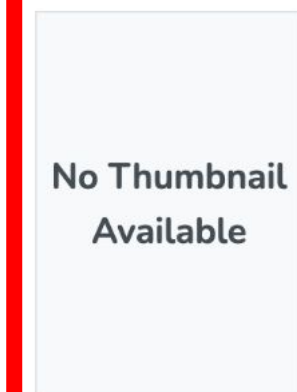
Filters

- Author +
- Subject +
- Date +
- Has files +
- Item Type +

Reset filters

Search Results

Now showing 1 - 10 of 261

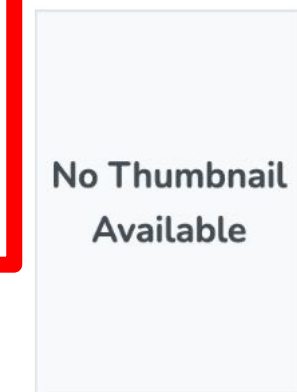


Publication Metadata only

The International Postal Network and Other Global Flows as Proxies for National Wellbeing

(Public Library of Science, 01/06/16) Hristova, Desislava; Rutherford, Alex; A

Show more

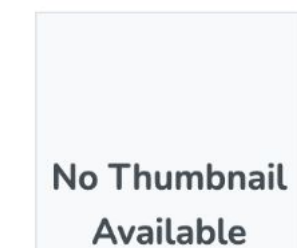


Publication Metadata only

The ionized gas in nearby galaxies as traced by the [N II] 122 and 205 μm transitions

(Institute of Physics, 2016) Herrera-Camus, R; Bolatto, A; Smith, JD; Draine, E

Show more



Publication Metadata only

The Vanishing Atrial Mass

(Oxford University Press, 07/07/16) Tarkin, Jason; Rudd, James; Belham, Mar

Show more

Advanced Search

Filter by

Title

Search Facets on Homepage

DSpace 8

DSpace is the world leading open source repository platform that enables organisations to:

- easily ingest documents, audio, video, datasets and their corresponding Dublin Core metadata
- open up this content to local and global audiences, thanks to the OAI-PMH interface and Google Scholar optimizations
- issue permanent urls and trustworthy identifiers, including optional integrations with handle.net and DataCite DOI

Join an international community of [leading institutions using DSpace](#).

The test user accounts below have their password set to the name of this software in lowercase.

- Demo Site Administrator = dspacedemo+admin@gmail.com
- Demo Community Administrator = dspacedemo+commadmin@gmail.com
- Demo Collection Administrator = dspacedemo+colladmin@gmail.com
- Demo Submitter = dspacedemo+submit@gmail.com

Photo by @inspiredimages

Discover

- Author +
- Subject +
- Date +
- Has files +
- Item Type +

Search the repository ...

 Search

Communities in DSpace

Select a community to browse its collections.

Now showing 1 - 5 of 5

ADLD **1**

Compound Journals **13**
description

Publications **257**

Advanced Search filters

Search

Hide Advanced Filters

Filters

Publications

Profiles

Now showing items 1-10 of 1740



Advanced Search filters



All of DSpace medical

Search

Filters

Author +

Subject +

Date +

Has files +

Item Type +

Reset filters

Advanced Search

Filter by

Title

Equals

Title

Add

Search Results

Now showing 1 - 10 of 10



Research Project
MR/K006665/1



Research Project
RG51968/RG57589



Research Project
MRC_MC_UU_12012/5



Research Project
MR/K000888/1



Research Project
MR/M005070/1

Settings

Sort By

Most Relevant

Add relationships via external sources

Publications
×

Local Publications (260)
PubMed (234)
arXiv (3885)
CrossRef
Scopus

Settings


Results per page


5
▾


Q Search


Search Results

Now showing 1 - 5 of 234

- 

A SEROTYPE-SPECIFIC AND TILED AMPLICON MULTIPLEX PCR METHOD FOR WHOLE GENOME SEQUENCING OF DENGUE VIRUS.
- 

Reanalysis of cluster randomised trial data to account for exposure misclassification using a per-protocol and complier-restricted approach.
- 

Successful introgression of wMel Wolbachia into Aedes aegypti populations in Fiji, Vanuatu and Kiribati.
- 

Antiviral strains associate with endoplasmic reticulum membranes and induce lipid droplet formation to restrict dengue virus replication.

Administrator Reports (beta)

DSpace 8 will introduce basic administrator reports. There are two reports available:

- **Filtered Collection reports:** these reports count the numbers of item per community/collection. Administrators will also have access to a number of filters they can apply to narrow down the result.
- **Metadata Query reports:** These will provide item counts based on metadata queries to specify what should be counted and what not (and some other available filters).

Administrator Reports (beta)

Collection Filter Report

Filters

Show Collections

Select all filters

Deselect all filters

Item Property Filters

<input type="checkbox"/> Is Item - always true	<input type="checkbox"/> Withdrawn Items
<input type="checkbox"/> Available Items - Not Withdrawn	<input checked="" type="checkbox"/> Discoverable Items - Not Private
<input type="checkbox"/> Not Discoverable - Private Item	

Basic Bitstream Filters

<input type="checkbox"/> Item has Multiple Original Bitstreams	<input type="checkbox"/> Item has No Original Bitstreams
<input type="checkbox"/> Item has One Original Bitstream	





















Bitstream Filters by MIME Type

<input type="checkbox"/> Item has a Doc Original Bitstream (PDF, Office, Text, HTML, XML, etc)	<input type="checkbox"/> Item has an Image Original Bitstream
<input type="checkbox"/> Has Other Bitstream Types (not Doc or Image)	<input type="checkbox"/> Item has multiple types of Original Bitstreams (Doc, Image, Other)

Bug fixes

<https://github.com/orgs/DSpace/projects/27/views/2?filterQuery=done+label%3Abug>

Done 337 ...

1	 DSpace 7 doesn't support Tomcat 10 or have Jakarta EE Support #8713	 tdonohue	<input checked="" type="checkbox"/> Done
2	 Backend (Hal Browser) doesn't work properly in Tomcat 10 #8173	 tdonohue	<input checked="" type="checkbox"/> Done
3	 Fix for submission describe warning contribution bug #2905	 LotteHofstede	<input checked="" type="checkbox"/> Done
4	 Remove unnecessary "exit" statements which stop running Postgres container #9492	 tdonohue	<input checked="" type="checkbox"/> Done
5	 Fix Runnable JAR issues & use it in all Docker images #9505	 tdonohue	<input checked="" type="checkbox"/> Done
6	 Created abstract component loader class #2339	 alexandrevryghem	<input checked="" type="checkbox"/> Done
7	 Search query is not set by default when opening an external sources tab #2376	 alexandrevryghem	<input checked="" type="checkbox"/> Done
8	 Fixed MathJax code being displayed twice by dsMarkdown pipe #2397	 alexandrevryghem	<input checked="" type="checkbox"/> Done
9	 Fix setStaleByHrefSubstring not emitting true when all requests are stale #2349	 alexandrevryghem	<input checked="" type="checkbox"/> Done
10	 Fix minor collection form bugs #2350	 alexandrevryghem	<input checked="" type="checkbox"/> Done

Overview of Upgrade process from v7 to v8

overview of backend major changes

Upgrading underlying DSpace 8 dependencies

- Java 17 (**OpenJDK** or Oracle)
- Apache Maven **3.8.x** or above
- Tomcat is now **OPTIONAL**, if you want to use it you need version 10.
You may instead choose to **use the Runnable JAR approach** to deploying the DSpace 8 backend.

```
java -jar [dspace]/webapps/server-boot.jar
```

- PostgreSQL 12.x - **15.x** (with pgcrypto installed) - unchanged
- SOLR 8.11.1+ - unchanged

in bold the version currently used by the **CI and dockerfile**

How to update the `server.xml` with the embedded Tomcat?

DSpace installation requires you to configure the `URIEncoding="UTF-8"` attribute over the Connector in the `server.xml` luckily this is not required with the embedded tomcat as it is configured by default

Good default are provided also for the `X-Forwarded-For` Header and to trust `internal proxies` making available out-of-box a production ready configuration.

If you need to customize other aspect of the `server.xml` (port, extra connector, etc.) you can do that using env properties and/or modifying the spring boot `application.properties` file

[Spring boot reference documentation](#)

Update your code base

- For upgrade from version prior of DSpace 7 there are some extra steps required (older is your version more extra steps are needed) be sure to look closely to the documentation
 - if you are coming from a version prior of DSpace 7 consider to start with a fresh codebase and manually port (reconsider) your changes
 - if you are already on DSpace 7 you can merge or rebase your change on top of DSpace 8 (there is a [GitHub issue](#) to improve the merge experience)

- include in the new local.cfg your changes or merge the change in the configuration files with your, for example

```
db.dialect = org.dspace.util.DSpacePostgreSQLDialect
```

Major changes in the backend code

- JAVA 11 → 17:
 - most javax.* dependencies migrated to jakarta.*
- Hibernate 5 → 6:
 - HibernateProxyHelper is now in the org.dspace.core package
 - Query created via HQL/JPQL have been updated to use CriteriaBuilder
- Spring boot 2 → 3
- Spring framework 5 → 6

```

dSPACE-api/src/main/java/org/dspace/content/MetadataValue.java
8      package org.dspace.content;
9
10     - import javax.persistence.CascadeType;
11     - import javax.persistence.Column;
12     - import javax.persistence.Entity;
13     - import javax.persistence.FetchType;
14     - import javax.persistence.GeneratedValue;
15     - import javax.persistence.GenerationType;
16     - import javax.persistence.Id;
17     - import javax.persistence.JoinColumn;
18     + import javax.persistence.Lob;
19     - import javax.persistence.ManyToOne;
20     - import javax.persistence.SequenceGenerator;
21     - import javax.persistence.Table;
22     - import javax.persistence.Transient;
23     -
24     + import jakarta.persistence.CascadeType;
25     + import jakarta.persistence.Column;
26     + import jakarta.persistence.Entity;
27     + import jakarta.persistence.FetchType;
28     + import jakarta.persistence.GeneratedValue;
29     + import jakarta.persistence.GenerationType;
30     + import jakarta.persistence.Id;
31     + import jakarta.persistence.JoinColumn;
32     + import jakarta.persistence.ManyToOne;
33     + import jakarta.persistence.SequenceGenerator;
34     + import jakarta.persistence.Table;
35     + import jakarta.persistence.Transient;
36
37     import org.dspace.core.Context;
38     + import org.dspace.core.HibernateProxyHelper;
39     import org.dspace.core.ReloadableEntity;
40
41     - import org.hibernate.annotations.Type;
42     - import org.hibernate.proxy.HibernateProxyHelper;
43
44     + import org.hibernate.Length;
  
```

Major changes in SOLR

- There are no major changes 😊 still 8.11.x
- Two new cores have been introduced: suggestion, qaevent. They could contain data not available elsewhere (decision taken over the proposed suggestion or correction) so it is a good idea to include them in your backup strategy

Overview of Upgrade process from v7 to v8

overview of frontend major changes

Upgrading the UI from 7 to 8 - Overview

- **1. Merge & fix conflicts**
- 2. Upgrade node & install dependencies
- 3. Upgrade to standalone components
- 4. Run ESLint to apply the new rules

1. Merge & fix conflicts

Checkout the DSpace 8 tag from the community github

```
$ git checkout -b dspace-8-upgrade dspace-8.0.0
```

Merge in your DSpace 7 branch

```
$ git merge prod
```


1. Merge & fix conflicts

Why in that order?

- Ensures that your customizations show up as changes in the merge commit
- You'll know why those changes are there
- You can re-evaluate if they are still necessary

1. Merge & fix conflicts

- Fix any merge conflicts you might have with custom code
- For lists (e.g. of injected services in a constructor, or config properties etc), it's good practice to put the community changes on top, and yours at the bottom
- Leads to fewer merge conflicts down the line, because new community changes will happen above your changes, not in between

Upgrading the UI from 7 to 8 - Overview

- 1. Merge & fix conflicts
- **2. Upgrade node & install dependencies**
- 3. Upgrade to standalone components
- 4. Run ESLint to apply the new rules

2. Upgrade node & install dependencies

Switch to node 18 or 20 if you haven't already

```
$ nvm install 20  
$ nvm use 20
```

Install the dependencies

```
$ yarn run clean  
$ yarn install
```

Upgrading the UI from 7 to 8 - Overview

- 1. Merge & fix conflicts
- 2. Upgrade node & install dependencies
- **3. Upgrade to standalone components**
- 4. Run ESLint to apply the new rules

3. Upgrade to standalone components

PR [#2750](#) converted the UI to use standalone components:

- Every component specifies its own dependencies
- They don't need to be declared in a module
- Can be more easily reused in a different context
- Can be lazy-loaded separately, so better for performance

3. Upgrade to standalone components

Differences to the component decorator:

- Property **standalone: true**
- Optional list of imports

```
@Component({
  selector: 'ds-base-login-page',
  styleUrls: ['./login-page.component.scss'],
  templateUrl: './login-page.component.html',
  standalone: true,
  imports: [ThemedLogInComponent, TranslateModule],
})
export class LoginPageComponent implements OnDestroy, OnInit {
```

3. Upgrade to standalone components

More info on the wiki:

<https://wiki.lyrasis.org/display/DSPACE/Migration+to+Standalone+Components>



3. Upgrade to standalone components

Convert your custom components to standalone. Path is optional

```
$ ng generate @angular/core:standalone --path src/themes/your-theme-name
```

Choose the option: “Convert all components, directives and pipes to standalone”

```
? Choose the type of migration: (Use arrow keys)
```

```
> Convert all components, directives and pipes to standalone
```

```
Remove unnecessary NgModule classes
```

```
Bootstrap the application using standalone APIs
```


3. Standalone components - Fix imports

The script will sometimes not add all required imports to the component decorator

Compare the list of imports in your themed components with the custom theme.

E.g. after the tool

```
@Component({  
  selector: 'ds-footer',  
  styleUrls: ['footer.component.scss'],  
  templateUrl: 'footer.component.html',  
  standalone: true,  
  imports: [NgIf, RouterLink]  
})
```

3. Standalone components - Fix imports

The custom theme version:

```
@Component({  
  selector: 'ds-footer',  
  styleUrls: ['footer.component.scss'],  
  templateUrl: 'footer.component.html',  
  standalone: true,  
  imports: [NgIf, RouterLink, AsyncPipe, DatePipe, TranslateModule]  
})
```

So copy those imports to your version

3. Standalone components - Fix imports

If you've added additional components to your templates and they haven't been detected by the script you'll get errors like this, when you build:

```
Error:
src/themes/workshop/app/shared/object-list/community-list-element/community-list-element.component.html:
3:5 - error NG8001: 'ds-thumbnail' is not a known element:

1. If 'ds-thumbnail' is an Angular component, then verify that it is included in the
   '@Component.imports' of this component.

2. If 'ds-thumbnail' is a Web Component then add 'CUSTOM_ELEMENTS_SCHEMA' to the '@Component.schemas' of
   this component to suppress this message.

3     <ds-thumbnail [thumbnail]="(object.logo | async)?.payload">
```

The solution is then to add the corresponding component class to the imports:

```
imports: [NgIf, RouterLink, ThemedThumbnailComponent]
```


3. Standalone components - Fix imports

Then the next error is about the async pipe:

```
Error:
src/themes/workshop/app/shared/object-list/community-list-element/community-list-element.component.html:
3:47 - error NG8004: No pipe found with name 'async'.

3     <ds-thumbnail [thumbnail]="(object.logo | async)?.payload">
```

So add that as well

```
imports: [NgIf, RouterLink, ThemedThumbnailComponent, AsyncPipe]
```

3. Standalone components - Fix imports

Find the correct component class by ctrl/cmd clicking the HTML in your IDE

If that doesn't work, search for **“selector: 'ds-name-of-selector'”**

```
@Component({
  selector: 'ds-thumbnail',
  styleUrls: [],
  templateUrl: '../shared/theme-support/themed.component.html',
  standalone: true,
  imports: [ThumbnailComponent]
})
export class ThemedThumbnailComponent extends ThemedComponent<ThumbnailComponent>
```

Upgrading the UI from 7 to 8 - Overview

- 1. Merge & fix conflicts
- 2. Upgrade node & install dependencies
- 3. Upgrade to standalone components
- **4. Run ESLint to apply the new rules**

4. ESLint - New rules

PR [#2343](#) added stricter ESLint rules

Goals:

- fewer merge conflicts
 - Imports in alphabetical order
 - multiple imports from same file on separate lines
 - enforce trailing commas

4. ESLint - New rules

Goals:

- Remove ambiguity
 - disallow `!(value$ | async)` in Angular templates
 - disallow `!=` and `==` in Angular templates
 - disallow “harmful” types
 - E.g. use **string** instead of **String** or `() => {}` instead of **Function**

4. ESLint - New rules

Goals:

- Follow RxJS recommendations
 - Don't import from internal modules
 - Instead of

```
import { of as observableOf } from 'rxjs/internal/observable/of';
```

Instead of

```
import { of as observableOf } from 'rxjs';
```


4. ESLint - New rules

Goals:

- Follow RxJS recommendations
 - Don't nest subscribes
 - Instead of

```
obs$.subscribe((v1) =>
  this.someService.someMethod(v1).subscribe((v2) => console.log(v2))
);
```

Use

```
obs$.pipe(
  switchMap((v1) => this.someService.someMethod(v1)),
).subscribe((v2) => console.log(v2));
```

4. ESLint - Running ESLint

Run lint-fix to automatically fix most issues

```
$ yarn run lint-fix --quiet
```

You may get a few errors that can't be fixed automatically:

```
src/themes/workshop/app/shared/object-list/community-list-element/community-list-element.component.html
6:24  error  Async pipe results should not be negated.          @angular-eslint/template/no-negated-async
7:15  error  Expected `!==' but received `!=`                  @angular-eslint/template/eqepeq
7:54  error  Expected `===` but received `==`                  @angular-eslint/template/eqepeq
```

4. ESLint - Fix issues

“Async pipe results should not be negated”

```
<div *ngIf="!(isLoading$ | async)">
```

Reason: **isLoading\$** could be **undefined**, **null** or **0** too

Fix it by explicitly checking if it's false

```
<div *ngIf="(isLoading$ | async) === false">
```

4. ESLint - Fix issues

“Expected `!==` but received `!=`” or “Expected `===` but received `==`”

```
<a *ngIf="linkType != linkTypes.None" [target]="(linkType == linkTypes.ExternalLink) ? ...
```

Reason: `!=` and `==` follow complicated rules.

E.g. `100 == '100'` would be **true**

`true == 'true'` would be **false**

Fix it by using `!==` and `===`

```
<a *ngIf="linkType !== linkTypes.None" [target]="(linkType === linkTypes.ExternalLink) ? ...
```


4. ESLint - New themed component rules

In DSpace 7, to make **MyComponent** themeable:

- Create **ThemedComponent<MyComponent>**
- Use selector **ds-themed-my-component**
- Replace all usages of **ds-my-component** with **ds-themed-my-component**
- Easy to forget a place it's used
- When you forget, the app keeps working
- You'll only notice when you theme it and realize the themed version isn't used in a certain context

4. ESLint - New themed component rules

In DSpace 8:

- Create **ThemedComponent<MyComponent>**
- *But use the original selector **ds-my-component***
- Replace the selector of **MyComponent** with **ds-base-my-component**
- All existing usages now refer to the themed version automatically
- When using the component in a theme use **ds-themed-my-component**
 - This is a convection: not strictly necessary
 - The selector for a themed version of a component is never used directly

4. ESLint - New themed component rules

- PR [#2865](#) adds an ESLint plugin to enforce these rules
- If you run `yarn run lint-fix` it will automatically convert from the old style to the new one

```
<ds-themed-thumbnail [thumbnail]="(object.logo | async)?.payload">
```

becomes:

```
<ds-thumbnail [thumbnail]="(object.logo | async)?.payload">
```

4. ESLint - New themed component rules

```
@Component({  
  selector: 'ds-themed-thumbnail',  
  ...  
})  
export class ThemedThumbnailComponent extends ThemedComponent<ThumbnailComponent>
```

becomes:

```
@Component({  
  selector: 'ds-thumbnail',  
  ...  
})  
export class ThemedThumbnailComponent extends ThemedComponent<ThumbnailComponent>
```


4. ESLint - New themed component rules

```
@Component({  
  selector: 'ds-thumbnail',  
  ...  
})  
export class ThumbnailComponent implements OnChanges {
```

becomes:

```
@Component({  
  selector: 'ds-base-thumbnail',  
  ...  
})  
export class ThumbnailComponent implements OnChanges {
```

**Q&A
and
Open Discussion**