

# Enhanced Submission & Workflow

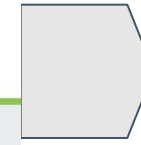
Open Repositories 2021, June 10

Andrea Bollini, 4Science  
Claudio Cortese, 4Science  
**Giuseppe Digilio, 4Science**



# What's New

- Modern and friendly UI
- Combine advantages from JSPUI, XMLUI and new features
  - change target collection
  - automatic extraction of metadata with Live Import
  - configurable workflow
- Live Import
- Customizable
- Better performance and scalability



## New Dashboard

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



All repository ▾

Search in mydspace...

Search

Show

Now showing 1 - 10 of 387

Your Submissions ▾

Workspace

Item

ACADEMIC SEARCH ENGINES: LIBRARIAN'S FRIEND,RESEARCHER'S DELIGHT

( No Date) Chakravarty, Rupak

No Abstract



Archived

Item

Alphabets in our life

( 2018-09-17) Rohit Manilal Parikh

No Abstract



Workspace

Item

Application of Lotka's Law in Library Science Literature of Select Central Universities in North India

(Journal of Advances in Library and Information Science, 2018-03-05) Sharma, Jyoti Chakravarty, Rupak

The research output in the field of Library and Information Science by the faculties of central universities of N



## Filters

Status

Workspace

319

Archived

64

Workflow

4

Status

Date

1950

2021



1190 - 1359

1

1530 - 1699

1

1870 - 2021

89

Reset filters

# MyDSpace



Communities & Collections All of DSpace



Home • MyDSpace

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



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Your Submissions

Workspace

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Edit

Delete

New Dashboard

Functionalities  
immediately accessible

- Status
- Workspace 319
  - Archived 64
  - Workflow 4

Status

Date

1950

2021



1190 - 1359 1

1530 - 1699 1

1870 - 2021 89

Reset filters

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Communities & Collections All of DSpace



Home • MyDSpace

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All repository

Search in mydspace...

Search

Now showing 1 - 10 of 387

Show

- Your Submissions
- Your Submissions**
- All tasks

Filters

Status

- Workspace
- Archived
- Workflow

319  
64  
4

Status

Date

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New Dashboard

Functionalities immediately accessible

Based on role

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

Show   
 All tasks

Filters   
 Status   
  Validation 3   
  Waiting for Controller 3   
 Status

Date +

Submitter +

Reset filters

Settings   
 Sort By   
 Title Ascending

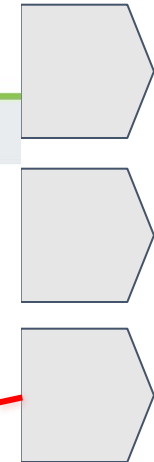
All repository   
 Search in mydspace... Search

Now showing 1 - 6 of 6

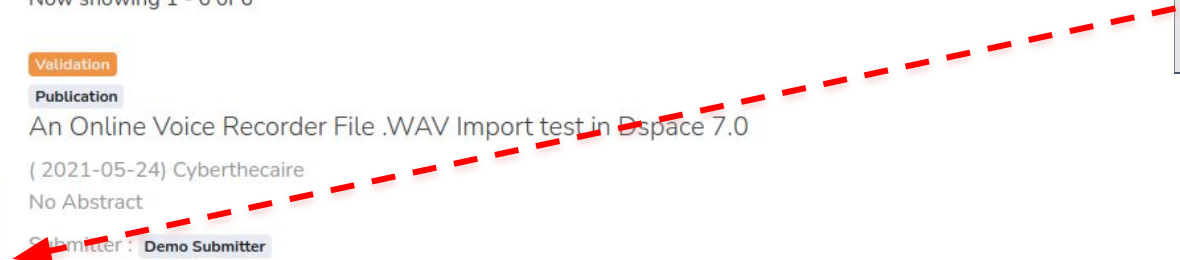
**Validation**   
 Publication   
 An Online Voice Recorder File .WAV Import test in Dspace 7.0   
 ( 2021-05-24) Cyberthecaire   
 No Abstract   
 Submitter : Demo Submitter   
 👍 Approve 🗑️ Reject ✎ Edit 🔄 Return to pool

**Waiting for controller**   
 Publication   
 Serval X: Passage en revue des objectifs projet   
 (UNIL, 2021) Crespo-Quesada, M. Ruchat, C. Monteiro, P.   
 No Abstract   
 Submitter : Demo Submitter   
 👤 Claim

**Waiting for controller**   
 Publication   
 Test   
 ( 2021-09) Tester, Test   
 Testing test



New Dashboard   
 Functionalities   
 immediately accessible   
 Based on role





# MyDSpace



Communities & Collections All of DSpace



Home • MyDSpace

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



Show

Your Submissions

## Filters

Status

- Workspace 319
- Archived 64
- Workflow 4

Status

Date

1950 2021

- 1190 - 1359 1
- 1530 - 1699 1
- 1870 - 2021 89

Reset filters

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Now showing 1 - 10 of 387

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Edit Delete

New Dashboard

Functionalities immediately accessible

Based on role

Search, configurable filters and sort options

# MyDSpace



Communities & Collections All of DSpace



Home • MyDSpace

Drag & Drop your files here , or browse



Show

Your Submissions

Filters

Status

- Workspace 319
- Archived 64
- Workflow 4

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1950 2021

- 1190 - 1359 1
- 1530 - 1699 1
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Edit Delete

New Dashboard

Functionalities immediately accessible

Based on role

Search, configurable filters and sort options

Import from external sources (PubMed, arXiv, Sherpa publishers, Orcid person)



# Live Import framework

- Replace BTE framework
- Native to DSpace
- Easier to maintain in the future
- Standard components for querying any external providers that exposes data in xml
- Mapping configurable via xpath

# Live Import framework

```
<Article PubModel="Print">
  <Journal>
    <ISSN IssnType="Print">0003-2700</ISSN>
    <JournalIssue CitedMedium="Print">
      <Volume>76</Volume>
      <Issue>9</Issue>
      <PubDate>
        <Year>2004</Year>
        <Month>May</Month>
        <Day>01</Day>
      </PubDate>
    </JournalIssue>
    <Title>Analytical chemistry</Title>
    <ISOAbbreviation>Anal. Chem.</ISOAbbreviation>
  </Journal>
  <ArticleTitle>Multistep microreactions with proteins us
  <Pagination>
    <MedlinePgn>2425-9</MedlinePgn>
  </Pagination>
  <Abstract>
    <AbstractText>A method to perform multistep reactio
  </Abstract>
  <AuthorList CompleteYN="Y">
    <Author ValidYN="Y">
      <LastName>Astorga-Wells</LastName>
      <ForeName>Juan</ForeName>
      <Initials>J</Initials>
      <AffiliationInfo>
        <Affiliation>Department of Medical Biochemi
      </AffiliationInfo>
    </Author>
    <Author ValidYN="Y">
      <LastName>Bergman</LastName>
      <ForeName>Tomas</ForeName>
      <Initials>T</Initials>
    </Author>
    <Author ValidYN="Y">
      <LastName>Jörnvall</LastName>
      <ForeName>Hans</ForeName>
      <Initials>H</Initials>
    </Author>
  </AuthorList>
  <Language>eng</Language>
  <PublicationTypeList>
    <PublicationType UI="D016428">Journal Article</PublicationType>
    <PublicationType UI="D013485">Research Support, Non-U.S. Gov't</PublicationType>
  </PublicationTypeList>
</Article>
```

## Example pubmed mapping configuration using xpath

```
<bean id="authorContrib" class="org.dspace.importer.external.metadatamapping.contributor.CombinedMetadatumContributor">
  <property name="separator" value=", "/>

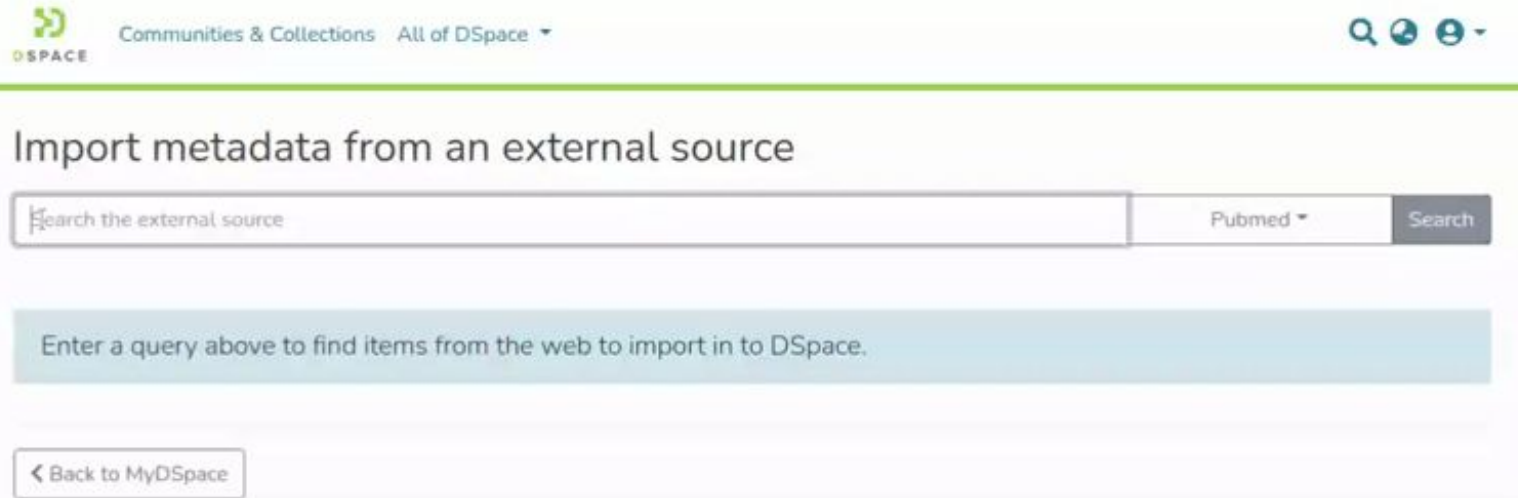
  <property name="metadatumContributors" ref="combinedauthorList"/>
  <property name="field" ref="dc.contributor.author"/>
</bean>

<util:list id="combinedauthorList" value-type="org.dspace.importer.external.metadatamapping.contributor.MetadataContributor" list-class="java.util.LinkedList">
  <ref bean="lastNameContrib"/>
  <ref bean="firstNameContrib"/>
</util:list>

<bean id="lastNameContrib" class="org.dspace.importer.external.metadatamapping.contributor.SimpleXpathMetadatumContributor">
  <property name="field" ref="dc.contributor.author"/>
  <property name="query" value="descendant::Author/LastName"/>
  <property name="prefixToNamespaceMapping" ref="prefixToNamespaceMapping"/>
</bean>

<bean id="firstNameContrib" class="org.dspace.importer.external.metadatamapping.contributor.SimpleXpathMetadatumContributor">
  <property name="field" ref="dc.contributor.author"/>
  <property name="query" value="descendant::Author/ForeName"/>
  <property name="prefixToNamespaceMapping" ref="prefixToNamespaceMapping"/>
</bean>
```

# Live Import framework



The screenshot shows the 'Import metadata from an external source' page in DSpace. At the top left is the DSPACE logo and the text 'Communities & Collections All of DSpace'. On the top right are search, help, and user icons. The main heading is 'Import metadata from an external source'. Below it is a search form with a text input field containing the placeholder 'Search the external source', a dropdown menu set to 'Pubmed', and a 'Search' button. A light blue instruction box below the form says 'Enter a query above to find items from the web to import in to DSpace.' At the bottom left is a button labeled '< Back to MyDSpace'.

Import from external source (PubMed, arXiv, Sherpa publishers, Orcid person)

# Configurable workflow



Communities & Collections All of DSpace

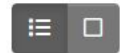


Home • MyDSpace

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



Actions depend on workflow



All repository

Search in mydspace...

Search

Show

Now showing 1 - 9 of 9

All tasks

## Filters

Status

- Validation 8
- Waiting for Controller 1

Status

Date

Submitter

Reset filters

## Settings

Sort By

Title Ascending

Validation

Publication

An Online Voice Recorder File .WAV Import test in Dspace 7.0

( 2021-05-24) Cyberthecaire

No Abstract

Submitter : Demo Submitter

Approve Reject Edit Return to pool

Validation

Item

Central Nervous System Involvement in Blastic Plasmacytoid Dendritic Cell Neoplasm.

( 2021-06-07T00:00:00Z) Pemmaraju, Naveen Wilson, Nathaniel R Khoury, Joseph D Jain, Nitin Daver, Navd

No Abstract

Submitter : Demo Site Administrator

Approve Reject Return to pool

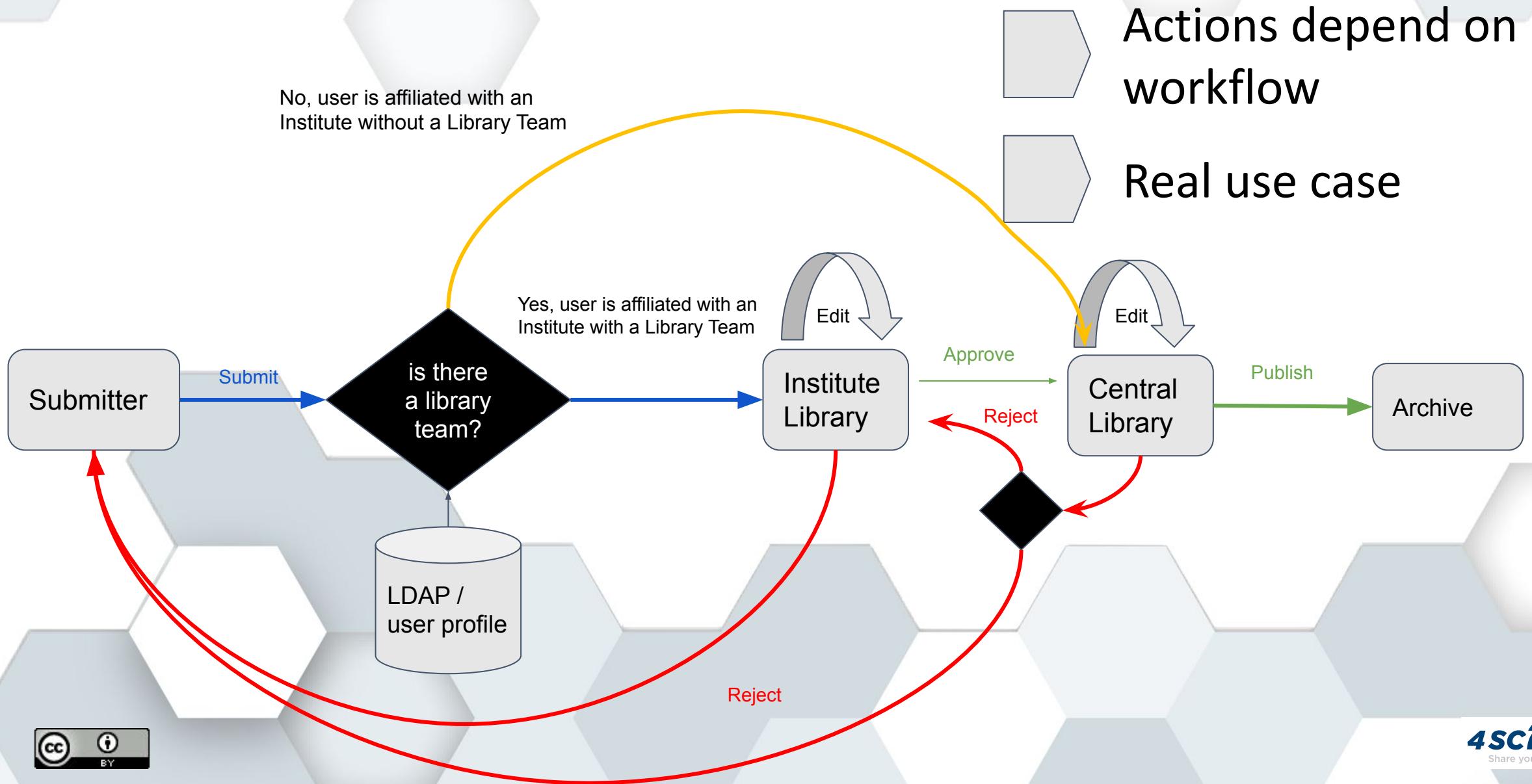
Validation

Item

Plasma Mucin-1 (CA15-3) Levels in Autosomal Dominant Tubulointerstitial Kidney Disease due to MUC1 Mutations.

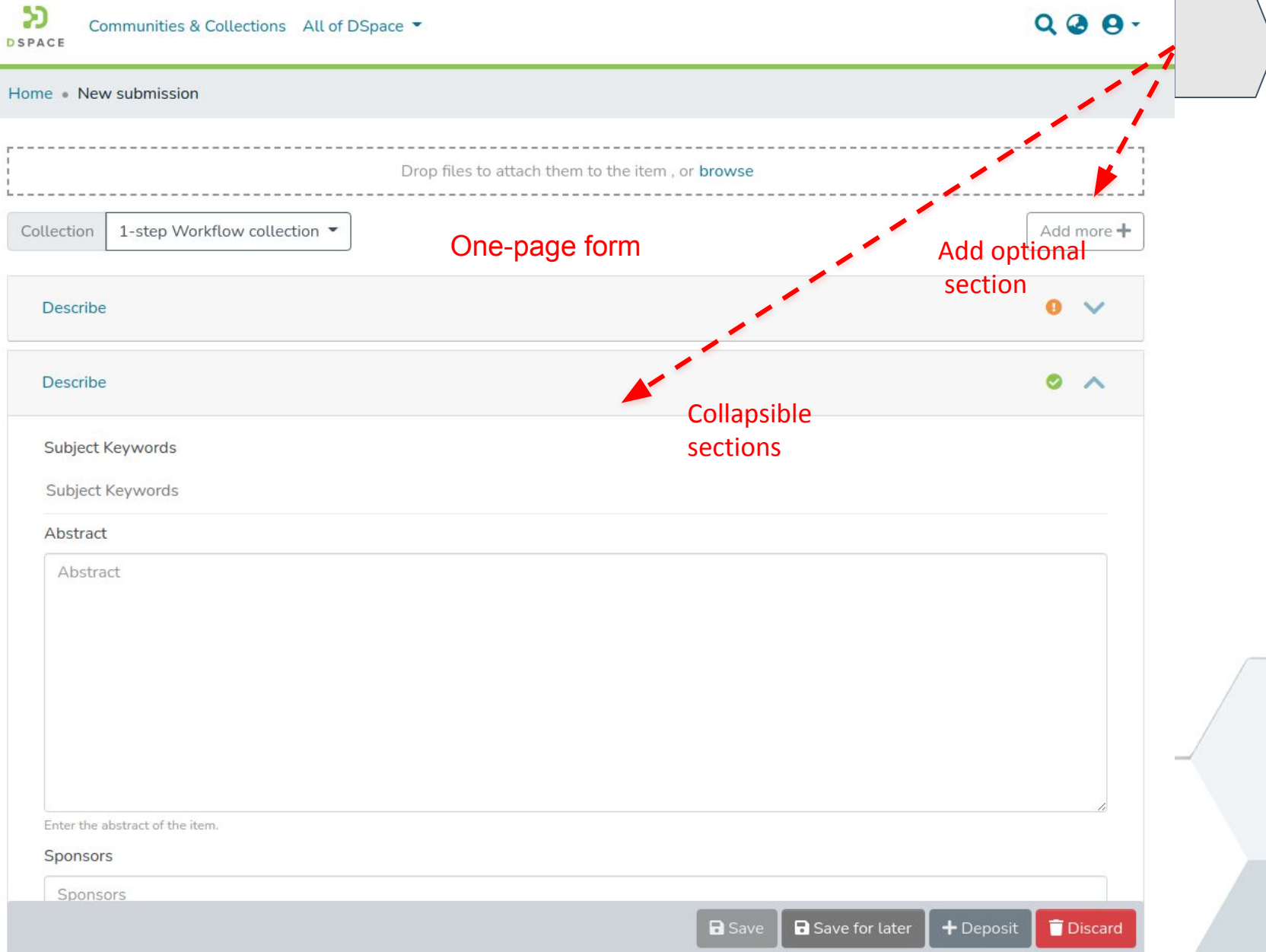
( 2021-06-07T00:00:00Z) Vylet'al. Petr Kidd. Kendrah Ainsworth. Hannah C Springer. Drahomíra Vrbacká.

# Configurable workflow





# Submission form



The screenshot shows a DSpace submission form with several key features highlighted by red dashed arrows and text:

- One-page form:** A red arrow points from the top navigation bar to the main form area, indicating that the entire submission process is contained on a single page.
- Add optional section:** A red arrow points to an "Add more +" button located next to a "Describe" section, allowing users to add or remove optional sections.
- Collapsible sections:** A red arrow points to a "Describe" section that is currently collapsed, showing a green checkmark and an upward-pointing arrow, indicating it can be expanded.

The form includes a file upload area at the top with the text "Drop files to attach them to the item, or browse". Below this is a "Collection" dropdown menu set to "1-step Workflow collection". The form contains several sections, including "Describe", "Subject Keywords", "Abstract", and "Sponsors". At the bottom, there are buttons for "Save", "Save for later", "+ Deposit", and "Discard".

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section

# Submission form



Communities & Collections All of DSpace ▾



Home • New submission

Drop files to attach them to the item, or [browse](#)

Collection 1-step Workflow collection ▾

Add more +

Describe



Describe



Subject Keywords

Subject Keywords

Abstract

Abstract

Enter the abstract of the item.

Sponsors

Sponsors

Save

Save for later

+ Deposit

Discard

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section
- Integrated File uploader

# Submission form

Home • Edit Submission

Collection Main works ▾ Add more +

Describe ⓘ ^

Identifiers

DOI Identifiers [trash]

+ Add more

Title \*

Title

Enter the main title of the item.

Other Titles

Other Titles [trash]

If the item has any alternative titles, please enter them here.

+ Add more

Authors

Authors [search] [edit] [trash]

Enter the names of the authors of this item.

+ Add more

Editors

Switching collection  
could change  
submission-process

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section
- Integrated File uploader
- Collection switch

# Submission form

Drop files to attach them to the item , or [browse](#)

Collection **Publications 2** ▼ Add more +

**Describe** ! ^

**Author**

🗑️

Enter the author's name (Family name, Given names).

[+ Add more](#)

**Title \***

✖

You must enter a main title for this item.

**Other Titles**

🗑️

If the item has any alternative titles, please enter them here.

[+ Add more](#)

**Date of Issue \***

^  ^  ^  ▼

You must enter at least the year.

**Publisher**

Enter the name of the publisher of the previously issued instance of this item.

**Citation**

🔒 Save 🔒 Save for later + Deposit 🗑️ Discard

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section
- Integrated File uploader
- Collection switch
- Extended Validation

# Submission form

Drop files to attach them to the item , or [browse](#)

Collection **Publications** ▼ Add more +

**Describe** ⓘ ⤴

**Identifiers**

Pubmed ID ↕ Identifiers 🗑️

+ Add more

**Title \***

Title

Enter the main title of the item.

**Other Titles**

Other Titles 🗑️

If the item has any alternative titles, please enter them here.

+ Add more

**Date of Issue \***

year month day

Please give the date of previous publication or public distribution. You can leave out the day and/or month if they aren't applicable.

**Authors**

Last name  First name  Search Edit 🗑️

Enter the names of the authors of this item.

+ Add more

Save Save for later + Deposit Discard

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section
- Integrated File uploader
- Collection switch
- Extended Validation




## Metadata enrichment with Live Import (opt)



# Submission form

Drop files to attach them to the item , or [browse](#)

Collection Publication Open everywhere in the page Add more +

Bergamini\_42-47.pdf (2.19 MB)   

No Thumbnail


Enter the name of the file \*

Enter a description for the file


File type

Personal picture, logo, main article, etc.


Access condition type







Grant access from \*



Grant access until \*



+ Add more

 Save  Save for later  + Deposit  Discard

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section
- Integrated File uploader
- Collection switch
- Extended Validation

## Metadata enrichment with Live Import

## Edit bitstreams :

- Configurable metadata
- Configurable access conditions
- Support for Embargo and loan

# Submission form

Drop files to attach them to the item , or [browse](#)

Collection 1-step Workflow collection ▾ Add more +

Select the type(s) of content of the item. To select more than one value in the list, you may have to hold down the "CTRL" or "Shift" key.

+ Add more

Language

Select the language of the main content of the item. If the language does not appear in the list, please select 'Other'. If the content does not really have a language (for example, if it is a dataset or an image) please select 'N/A'.

Describe ✓ ^

Subject Keywords

Book and library hist... ✕ Informatics ✕ Subject Keywords

Abstract

Abstract

Enter the abstract of the item.

Save Save for later + Deposit Discard

## New intuitive UI :

- One page form
- Collapsible sections
- Add/Remove optional section
- Integrated File uploader
- Collection switch
- Extended Validation

## Metadata enrichment with Live Import

## Edit bitstreams :

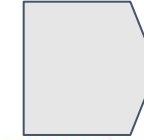
- Configurable metadata
- Configurable access conditions
- Support for Embargo and loan

## New input type:

- Autocomplete
- Lookup
- tag

# Submission form

```
<!--Step will be to Check for potential duplicate -->  
<step id="detect-duplicate">  
  <heading>submit.progressbar.detectDuplicate</heading>  
  <processing-class>org.dspace.app.rest.submit.step.DetectPotentialDuplicateStep</processing-class>  
  <type>detect-duplicate</type>  
</step>
```



Extendable and  
customisable sections

End page

If applicable, the page where this publication ends

Example from  
DSpace-CRIS

## Potential duplicates



The system has identified some potential duplicates. Please carefully review the list and flag each occurrence with the appropriate choice or discard this submission.

Now showing 1 - 1 of 1

### Publication

Formate assay in body fluids: application in methanol poisoning.

(1975-06-01T00:00:00Z) Makar, A B McMartin, K E Palese, M Tephly, T R

No Abstract

It's a duplicate

It's not a duplicate

« 1 »


## Upload files



Here you will find all the files currently in the item. You can update the file metadata and access conditions or **upload additional files** just dragging & dropping them everywhere in the page

# Thank you for your attention

Giuseppe Digilio <[giuseppe.digilio@4science.it](mailto:giuseppe.digilio@4science.it)>

 <https://orcid.org/0000-0003-0358-4753>

