Open Communities. Open Source. Open Access. Open Science.

Iº Encontro CAPES de Ciência Aberta - Repositórios Digitais
Brasilia – 18/19 September 2018

Michele Mennielli
International Membership and Partnership Manager

Thanks to Tim Donohue, Art Lowel and Andrea Bollini, for providing many slides

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About DuraSpace

DuraSpace is not for profit organization that provides support and coordination for **open technologies**

We work to ensure that **current and future generations** have **durable** and **persistent access** to our **collective digital heritage**

Our **community** is part of an **interconnected**, **worldwide**, scholarly **ecosystem**

Source: The Digital Ecosystem in the Balanced Value Impact Model (illustrated by Alice Maggs); http://simon-tanner.blogspot.com/2014/09/do-you-understand-your-digital-ecosystem.html

…its open source projects

DuraSpace **open source projects** are part of the **scholarly ecosystem**

Fedora™

Affiliate Status

VIVO

connect • share • discover

DURASPACE

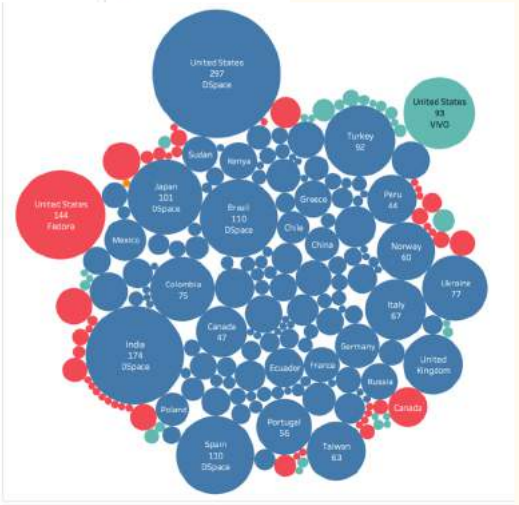
…its service providers

…its partners

CHRONOPOLIS

…its members

… its users



**Based on the DuraSpace Registry*

Focus on DSpace

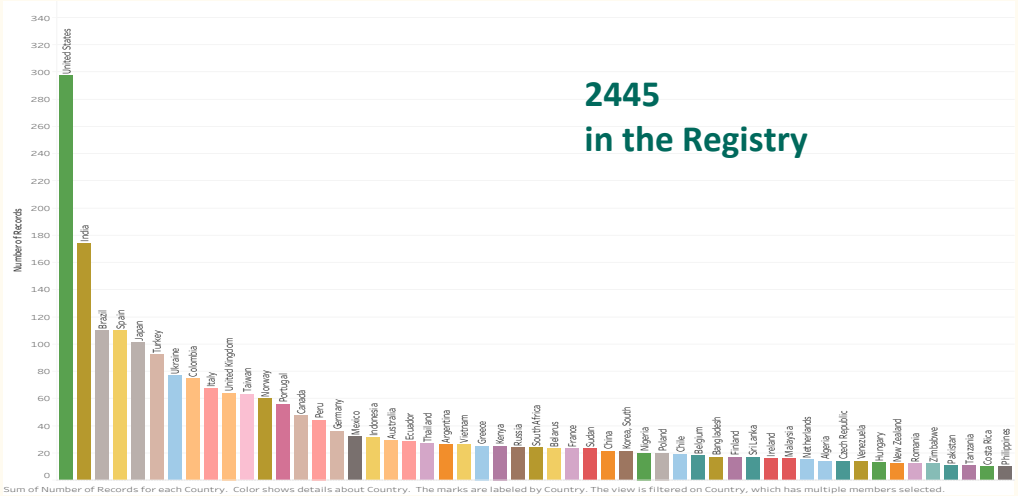
A turnkey institutional repository application

The most widely adopted repository

Global Community

Continuous evolution

DSpace numbers



2445
in the Registry

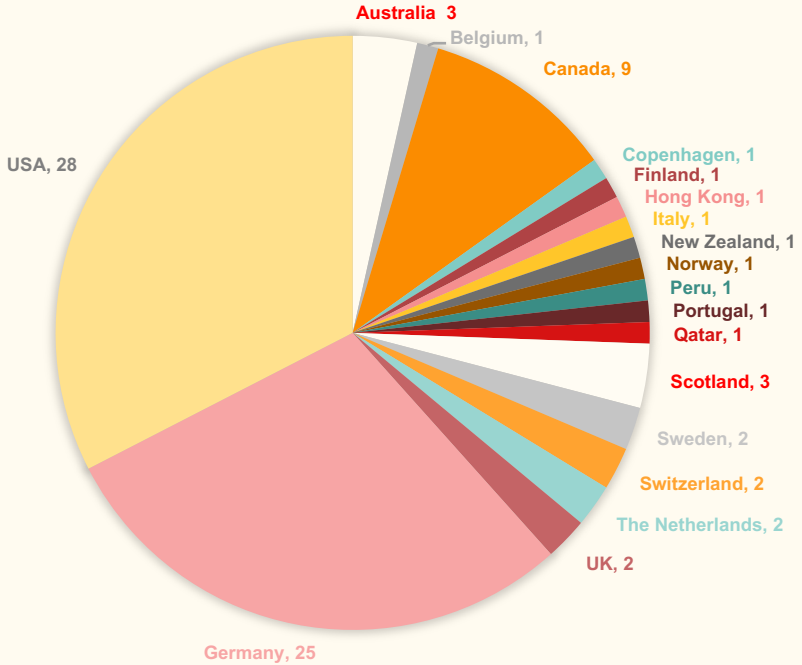
374
Latin America

296

110

**Based on the DuraSpace Registry*

86 Members



Project Governance

Leadership Group

- Leaders are elected for 1 year
- Approving the annual budget allocation and any modifications
- Approving the Project roadmap
- Approving the strategic direction
- Nominating and electing Steering Group members
- Voting on key decisions presented by Steering Group
- Helping to raise funds and secure other resources on behalf of the project

Steering Group

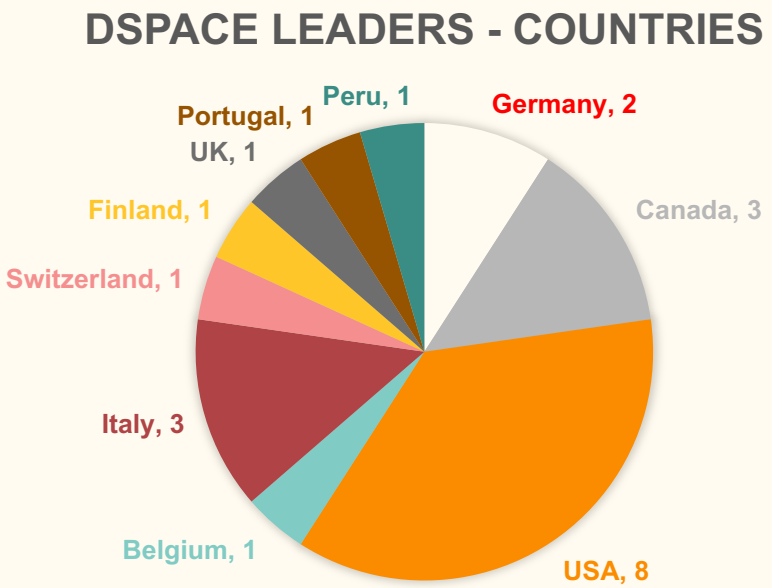
- The Steering Group is composed by 9 Steerers elected from the Leaders
- Providing strategic direction to the Project
- Recommending annual budget allocations
- Presenting key decisions to the Leadership Group for discussion and approval
- Raising funds and securing other resources on behalf of the Project
- Overseeing project operations

DSpace Leadership Group

The New Leadership Group (meeting once a month from August 2018)

22 Members – 10 Countries

Pascal-Nicolas Becker (The Library Code)
Allen Bell (University of British Columbia Library)
John Butler (University of Minnesota)
David Corbly (University of Oklahoma)
Lieven Droogmans (Atmire)
Federico Ferrario (Cineca)
Scott Hanrath (University of Kansas)
Barbara Hirschmann (ETH Zurich)
Jyrki Ilva (National Library of Finland)
Salwa Ismail (Georgetown University)
Inba Kehoe (University of Victoria)
Pierre Lasou (Université Laval)
Agustina Martinez (University of Cambridge)
Joao Mendes Moreira (Foundation of Science and Technology Portugal)
Susanna Mornati (4Science)
César Olivares (CONCYTEC)
Kristi Palmer (Indiana University Purdue University Indiana)
Kristi Park (Texas Digital Library)
Jordan Piščanc (University of Trieste)
Beate Rajski (Hamburg University of Technology)
Maureen Walsh (The Ohio State University Libraries)
Andrew Weaver (Washington State University Libraries)



DSpace Steering Group

The New Steering Group (meeting once a month from September 2018)

9 Members – 6 Countries

Pascal-Nicolas Becker (The Library Code)

John Butler (University of Minnesota)

Lieven Droogmans (Atmire)

Federico Ferrario (Cineca)

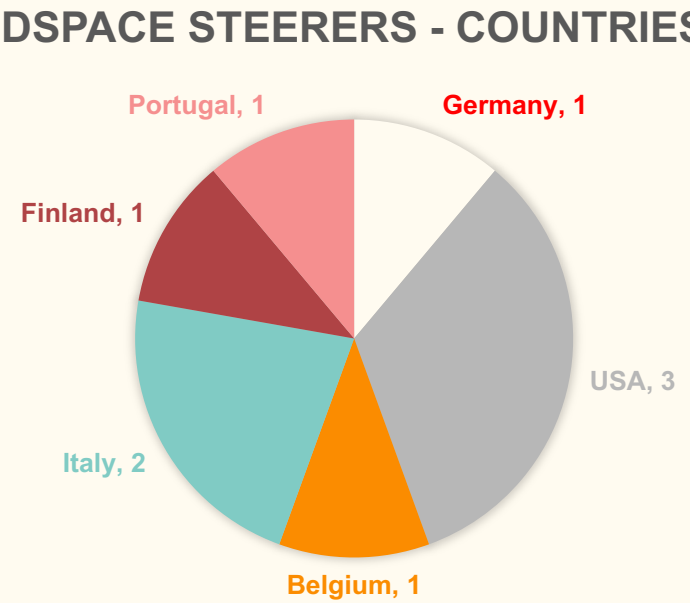
Jyrki Ilva (National Library of Finland)

Salwa Ismail (Georgetown University)

Joao Mendes Moreira (Foundation of Science and Technology Portugal)

Susanna Mornati (4Science)

Maureen Walsh (The Ohio State University Libraries)

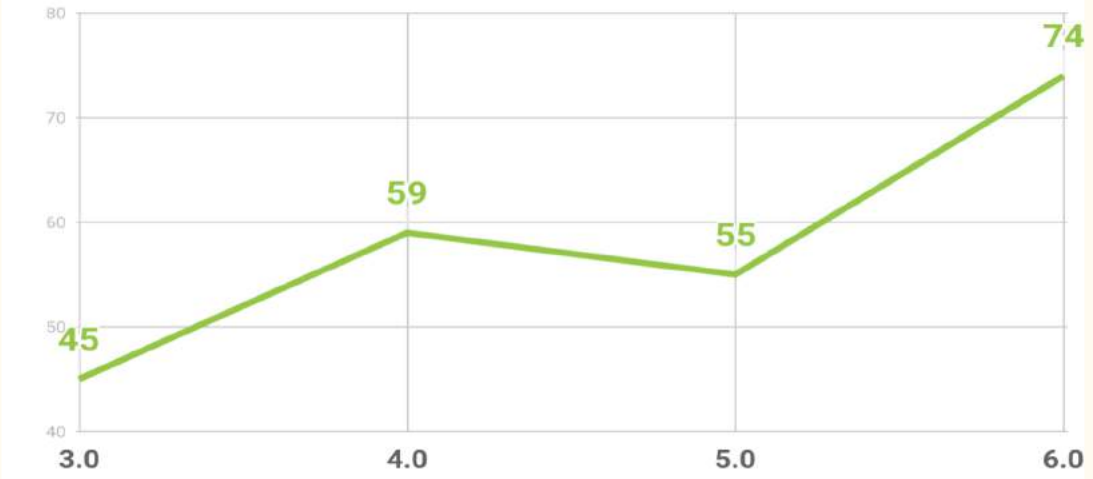


DSpace Committers

19 Committers

Pascal-Nicolas BECKER - Technische Universität Berlin / The Library Code
Andrea BOLLINI - 4Science
Ben BOSMAN - Atmire
Terry BRADY - Georgetown University
Tom DESAIR - Atmire
Peter DIETZ - Longsight
Mark DIGGORY - Atmire
Tim DONOHUE - DuraSpace (Project Tech Lead)
Claudia JÜRGEN - University Library of Dortmund
Art LOWEL - Atmire
Bram LUYTEN - Atmire
Ivan MASÁR (aka helix84)
Luigi Andrea PASCARELLI - 4Science
Hardy POTTINGER - UCLA Library
Andrea SCHWEER - University of Waikato ITS
Kim SHEPHERD - http://shepherd.nz/
Robin TAYLOR - University of Edinburgh
Kevin VAN DE VELDE - Atmire
Mark WOOD - Indiana University-Purdue University Indianapolis

DSpace Code Contributors per Major Release



DSpace Community Engagement (2018)

1

Brazilian User Group

- Slack channel: #dspace-br
- UG WIKI – The one for Brazil will be launched in October!

2

Webinars and events:

Feb 27, 2018 - The first meeting in the new DSpace Developer Show and Tell series focused on AWS, Janitor and DSpace (website; recording)
March 27, 2018 - DSpace Developer Show and Tell meeting - Janitor and DSpace, DSpace Development on Codenvy (website; recording)
April 17, 2018 - DSpace Developer Show and Tell meeting - IDE Showcase (website; recording)
April 24, 2018 - "Making DSpace Your Own", a community webinar presented by Terry Brady, Georgetown University Library (slides; recording)
May 15, 2018 - DSpace Developer Show and Tell meeting - Using Docker in Development (website; recording)
June 13, 2018 - DuraSpace and euroCRIS co-hosted event in Umeå: interoperability between DSpace repository and CRIS systems (website)
June 3-7, 2018 - Workshops and sessions on DSpace 7 REST API, Angular UI development, Demo, RoadMap and more at OR2018 (slides & recordings)
June 26, 2018 - DSpace Developer Show and Tell meeting - OR 2018 Recap (website; recording)
July 3, 2018 - DSpace User Group Meeting at The Repository Fringe Conference in Edinburgh (hosted by Atmire) (website)
July 18, 2018 - DuraSpace and CONCYTEC organized the first DSpace workshop in Peru (website)

3

Working groups

DSpace 7 Working Group
DSpace 7 Entities Working Group
DSpace 7 UI Outreach Group
DSpace Community Advisory Team (DCAT)

A Regional Webinars Series for Brazil
(in collaboration with the Service Provider NEKI IT):

1. October 17, 2018: National Library
2. November 14, 2018: LUME (Federal University of Rio Grande do Sul)
3. December 12, 2018: IBICT

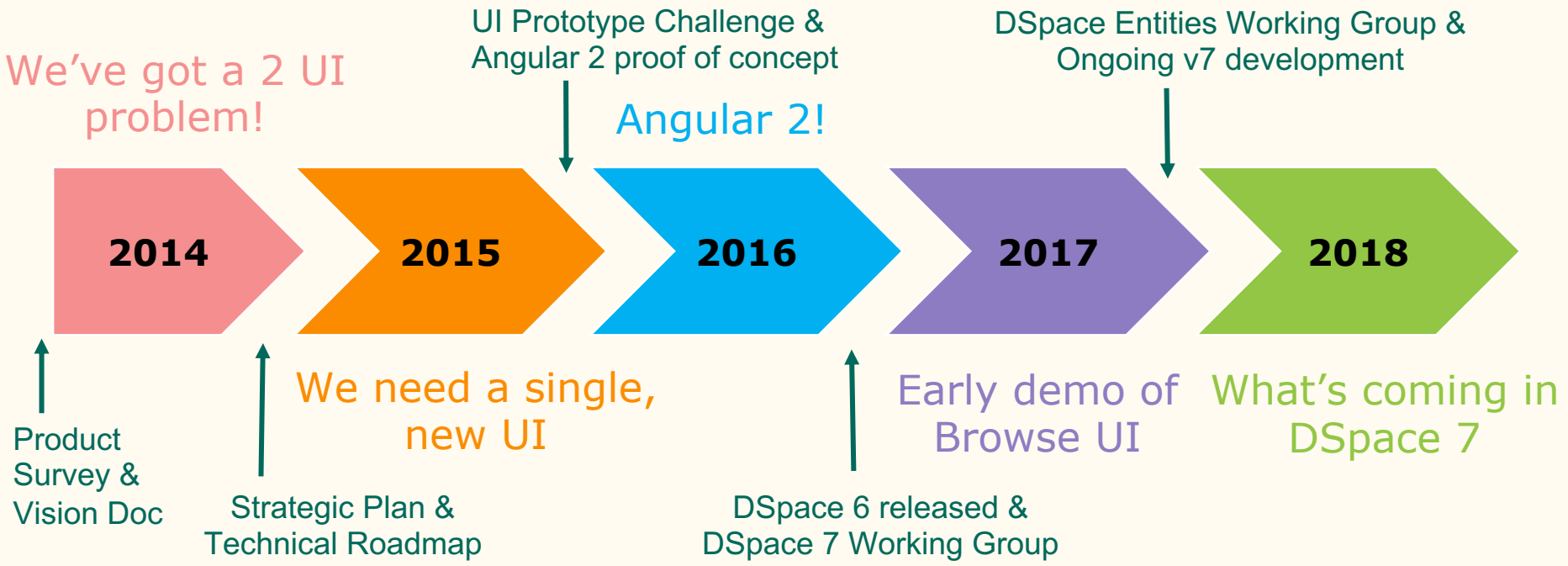
4

DSpace Community Annual Report 2017-July 2018

5

Broadening participation: the Consortium Membership

How did we get to DSpace 7?



https://wiki.duraspace.org/display/DSPACE/Strategic+Planning

The Future: DSpace 7.0

- Single, Angular UI (*new*)
- Fully-featured REST API (*new*)
- Configurable Entities (*new*)
- Align w/ NGR recommendations
- Existing, core Java backend

Est. Timeline: early 2019

DSPACE

Current Status

- [x] Enhanced backend (object store, caching, speed improvements)
- [x] Browse (Homepage, Community, Collection, Item pages)
- [x] Search
- [x] Authentication and Authorization
- [x] Submission
- [x] Approval Workflows

} Public collaboration between Hasselt U and 4Science

- [ ] Content Management (Create/Edit/Delete tasks)
- [ ] Administration
- [ ] Statistics
- [ ] Configurable Entities support

Development Planning Spreadsheet

Next Generation Repository Recommendations

Coming to DSpace 7

- ResourceSync (4Science & Cottage Labs)
  - Backports to 6.x and 5.x
- Signposting

http://ngr.coar-repositories.org/

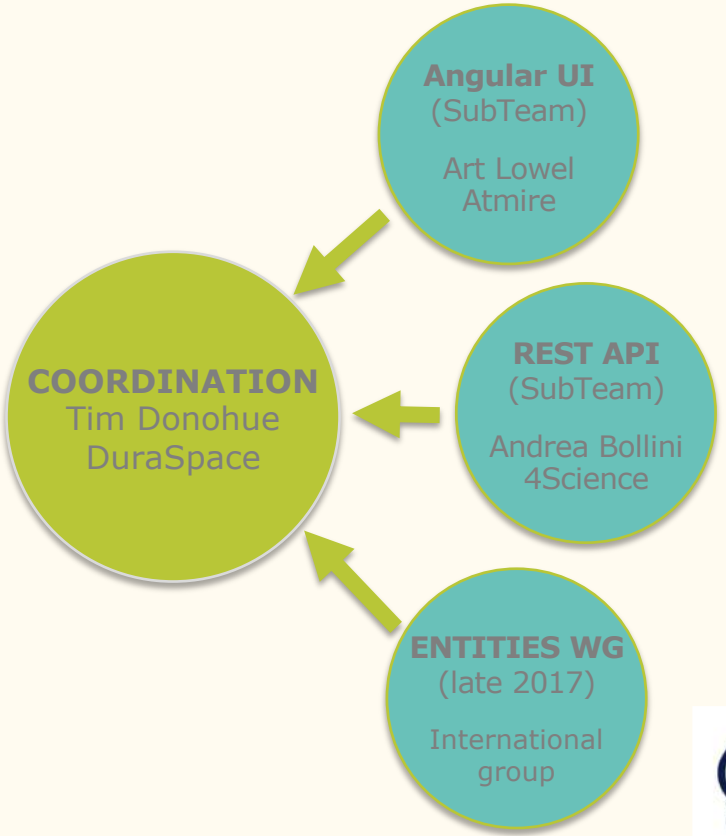
Introducing Configurable Entities

DSpace Entities WG

- Allow DSpace to support new object types & relationships
- Alignment with NGR (Identifiers)
- Alignment with OpenAIRE v4
- Inspired by DSpace-CRIS

Aligned with DSpace 7 timeline: late 2018/early 2019

How are we getting there?



GOALS

- 7.0 Beta by end of 2018
- 7.0 First Release Candidate in early 2019
- User training at OR2019 Support new object types & relationships
- Alignment with NGR (Identifiers)
- Alignment with OpenAIRE v4

COAR Confederation of Open Access Repositories
NEXT GENERATION REPOSITORIES
OpenAIRE

DSpace 7 – Try it out!

DSpace 7 Angular UI demo

https://dspace7-demo.atmire.com/

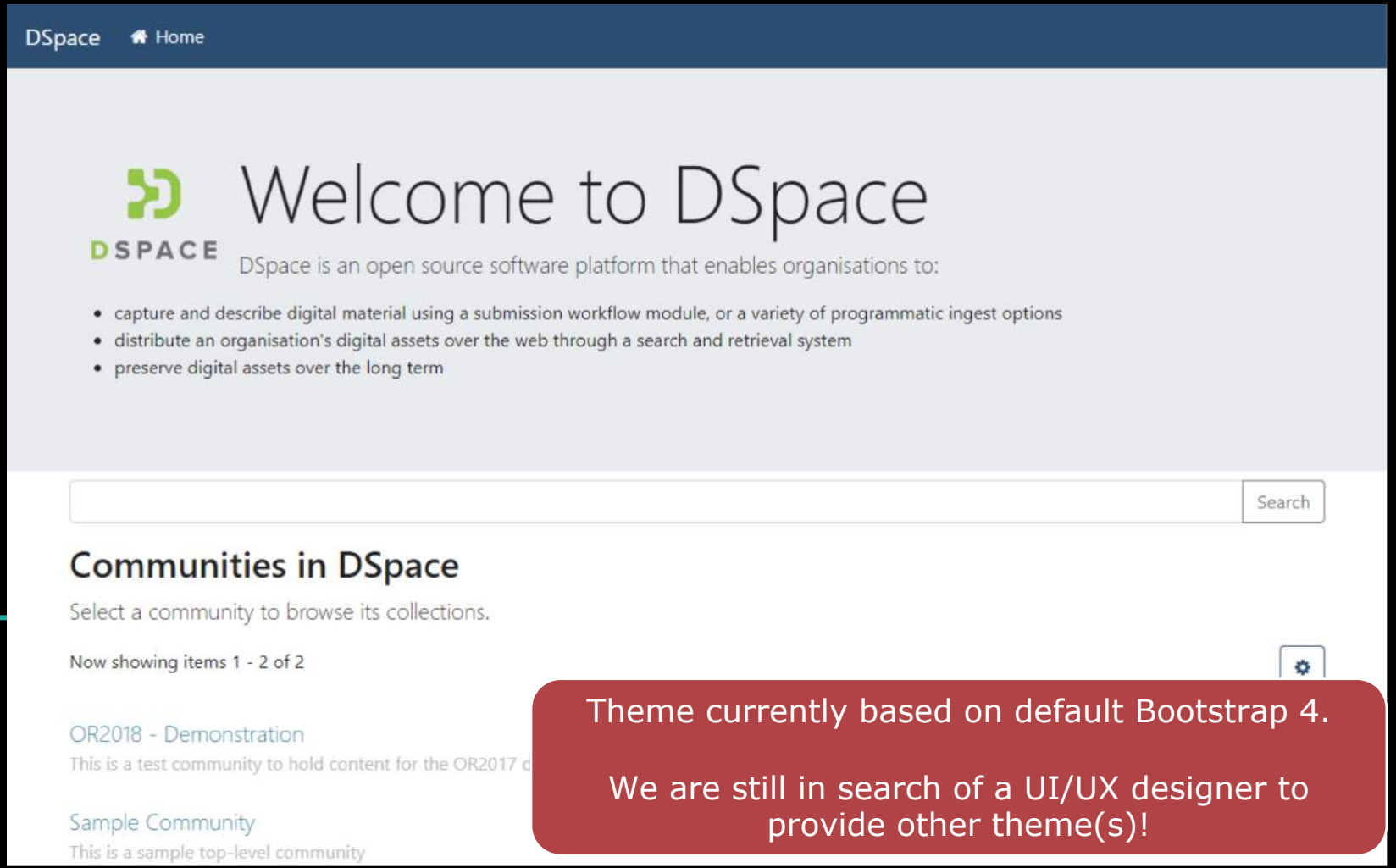
(uses the REST API demo as backend)

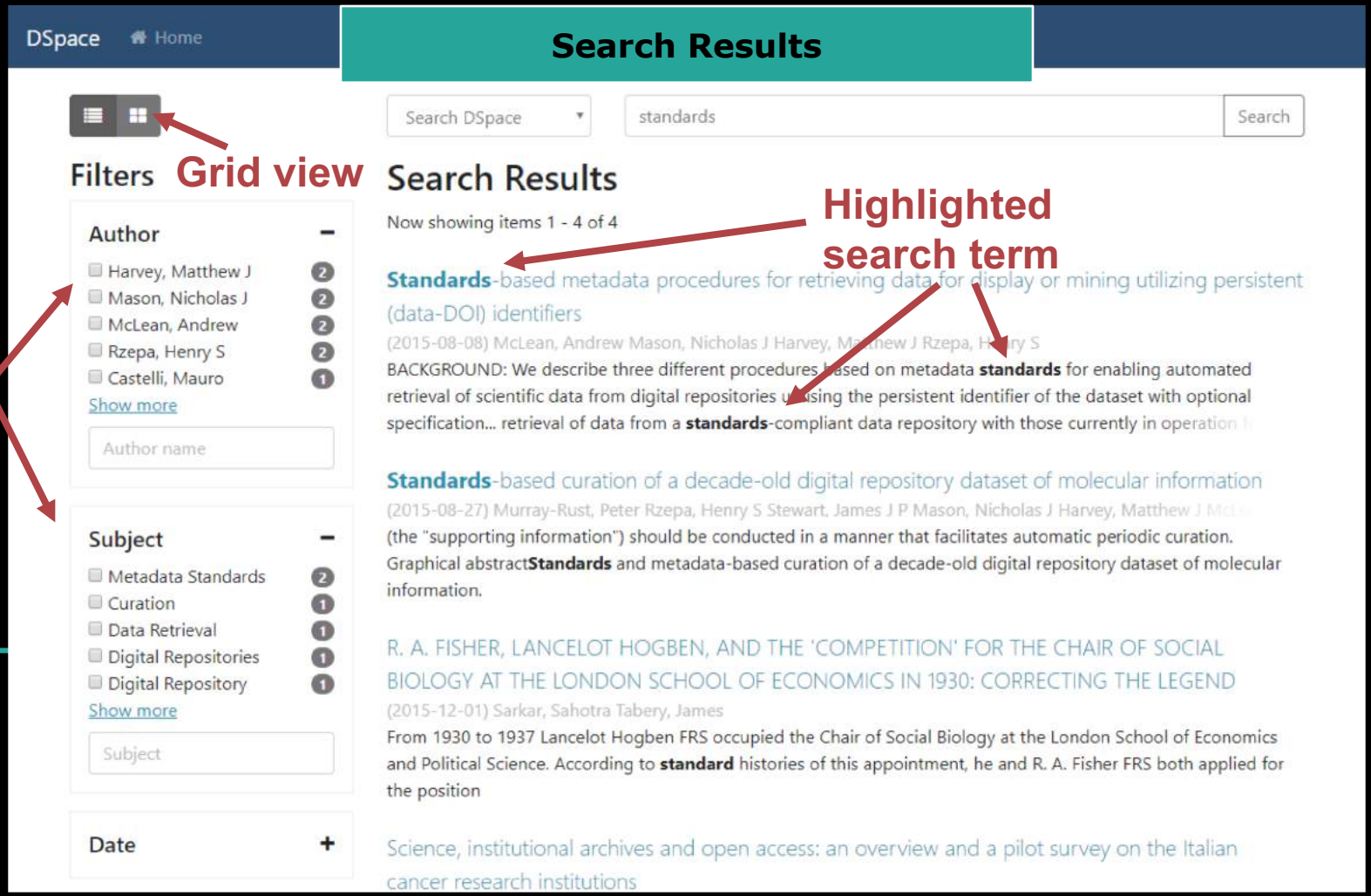
Download & install:

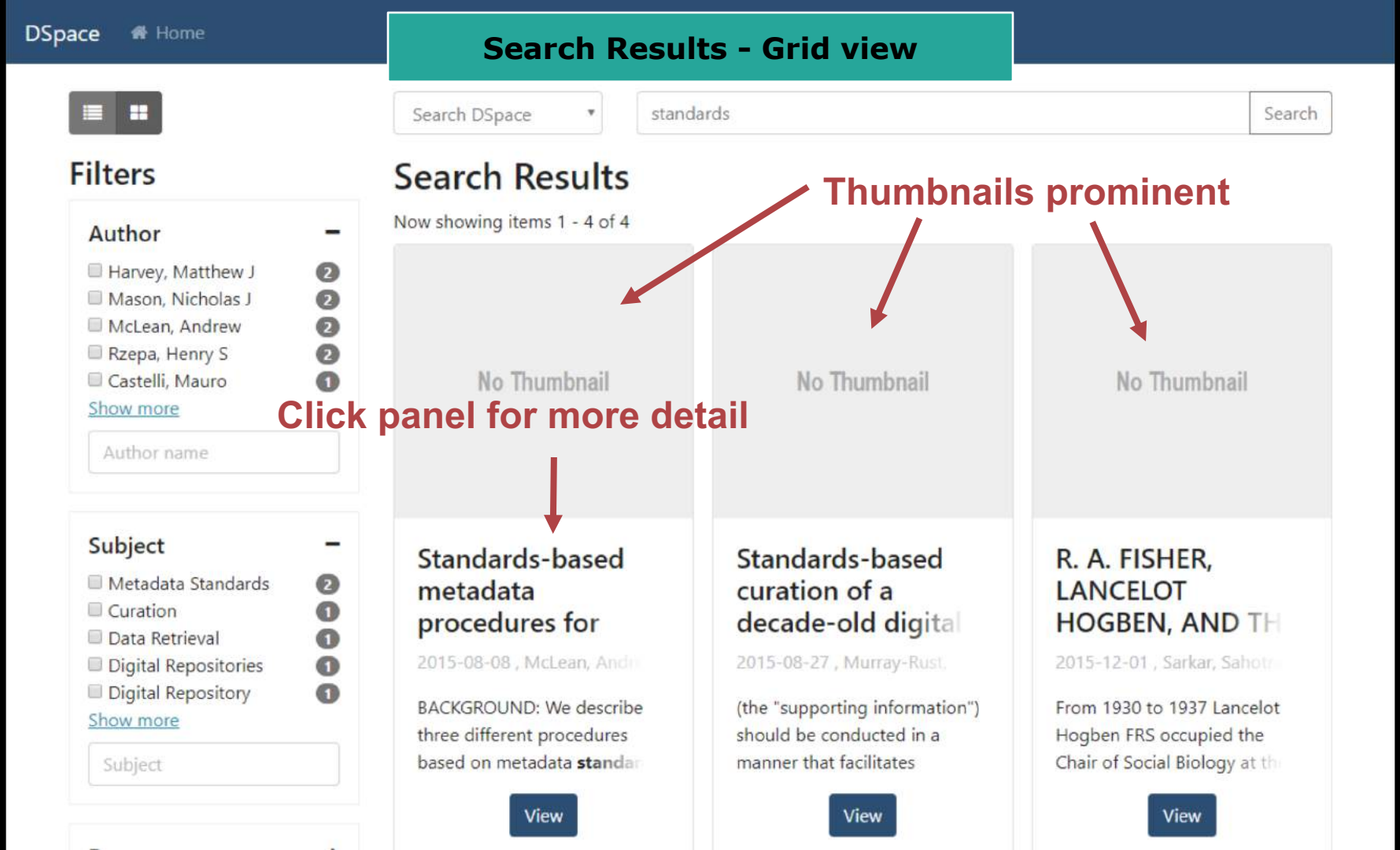
https://github.com/DSpace/dspace-angular/

DSpace 7 – Try it out!

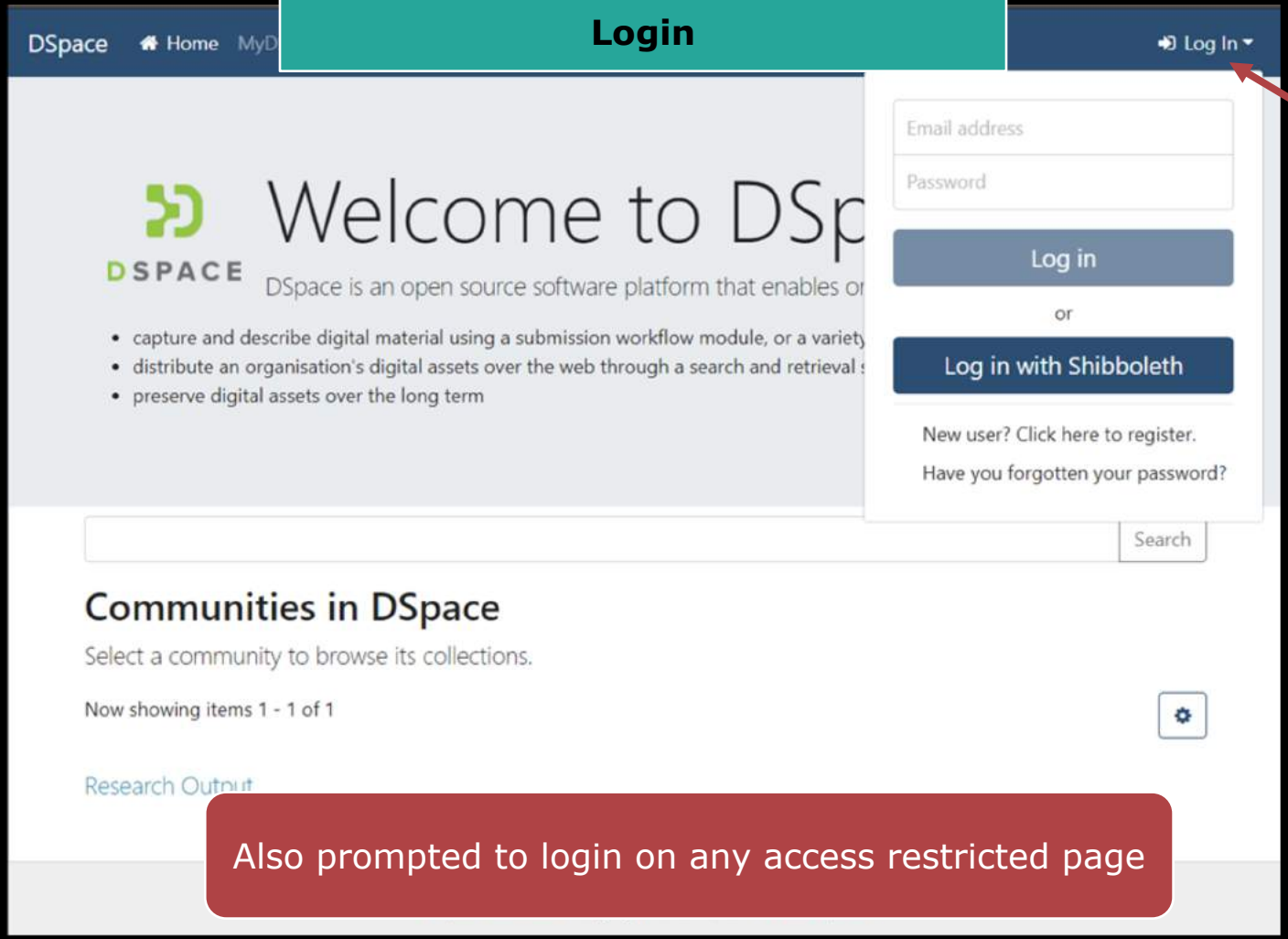
Video of the live demo available at
https://youtu.be/yKnos2jTdSQ


DSpace
Home
Welcome to DSpace
DSPACE
DSpace is an open source software platform that enables organisations to:
capture and describe digital material using a submission workflow module, or a variety of programmatic ingest options
distribute an organisation's digital assets over the web through a search and retrieval system
preserve digital assets over the long term
Search
Communities in DSpace
Select a community to browse its collections.
Now showing items 1 - 2 of 2
OR2018 - Demonstration
This is a test community to hold content for the OR2017
Sample Community
This is a sample top-level community
Theme currently based on default Bootstrap 4.
We are still in search of a UI/UX designer to provide other theme(s)!


DSpace
Home
Search Results
Search DSpace
standards
Search
Grid view
Filters
Search Results
Highlighted search term
Filters
Author
Harvey, Matthew J 2
Mason, Nicholas J 2
McLean, Andrew 2
Rzepa, Henry S 2
Castelli, Mauro 1
Show more
Author name
Subject
Metadata Standards 2
Curation 1
Data Retrieval 1
Digital Repositories 1
Digital Repository 1
Show more
Subject
Date
Now showing items 1 - 4 of 4
Standards-based metadata procedures for retrieving data for display or mining utilizing persistent (data-DOI) identifiers
(2015-08-08) McLean, Andrew Mason, Nicholas J Harvey, Matthew J Rzepa, Henry S
BACKGROUND: We describe three different procedures based on metadata standards for enabling automated retrieval of scientific data from digital repositories using the persistent identifier of the dataset with optional specification... retrieval of data from a standards-compliant data repository with those currently in operation
Standards-based curation of a decade-old digital repository dataset of molecular information
(2015-08-27) Murray-Rust, Peter Rzepa, Henry S Stewart, James J P Mason, Nicholas J Harvey, Matthew J
(the "supporting information") should be conducted in a manner that facilitates automatic periodic curation. Graphical abstractStandards and metadata-based curation of a decade-old digital repository dataset of molecular information.
R. A. FISHER, LANCELOT HOGBEN, AND THE 'COMPETITION' FOR THE CHAIR OF SOCIAL BIOLOGY AT THE LONDON SCHOOL OF ECONOMICS IN 1930: CORRECTING THE LEGEND
(2015-12-01) Sarkar, Sahotra Tabery, James
From 1930 to 1937 Lancelot Hogben FRS occupied the Chair of Social Biology at the London School of Economics and Political Science. According to standard histories of this appointment, he and R. A. Fisher FRS both applied for the position
Science, institutional archives and open access: an overview and a pilot survey on the Italian cancer research institutions


DSpace
Home
Search Results - Grid view
Search DSpace
standards
Search
Filters
Author
Harvey, Matthew J 2
Mason, Nicholas J 2
McLean, Andrew 2
Rzepa, Henry S 2
Castelli, Mauro 1
Show more
Author name
Subject
Metadata Standards 2
Curation 1
Data Retrieval 1
Digital Repositories 1
Digital Repository 1
Show more
Subject
Search Results
Now showing items 1 - 4 of 4
Thumbnails prominent
Click panel for more detail
No Thumbnail
No Thumbnail
No Thumbnail
Standards-based metadata procedures for
2015-08-08 , McLean, Andr
BACKGROUND: We describe three different procedures based on metadata standar
View
Standards-based curation of a decade-old digital
2015-08-27 , Murray-Rust,
(the "supporting information") should be conducted in a manner that facilitates
View
R. A. FISHER, LANCELOT HOGBEN, AND TH
2015-12-01 , Sarkar, Sahotr
From 1930 to 1937 Lancelot Hogben FRS occupied the Chair of Social Biology at th
View

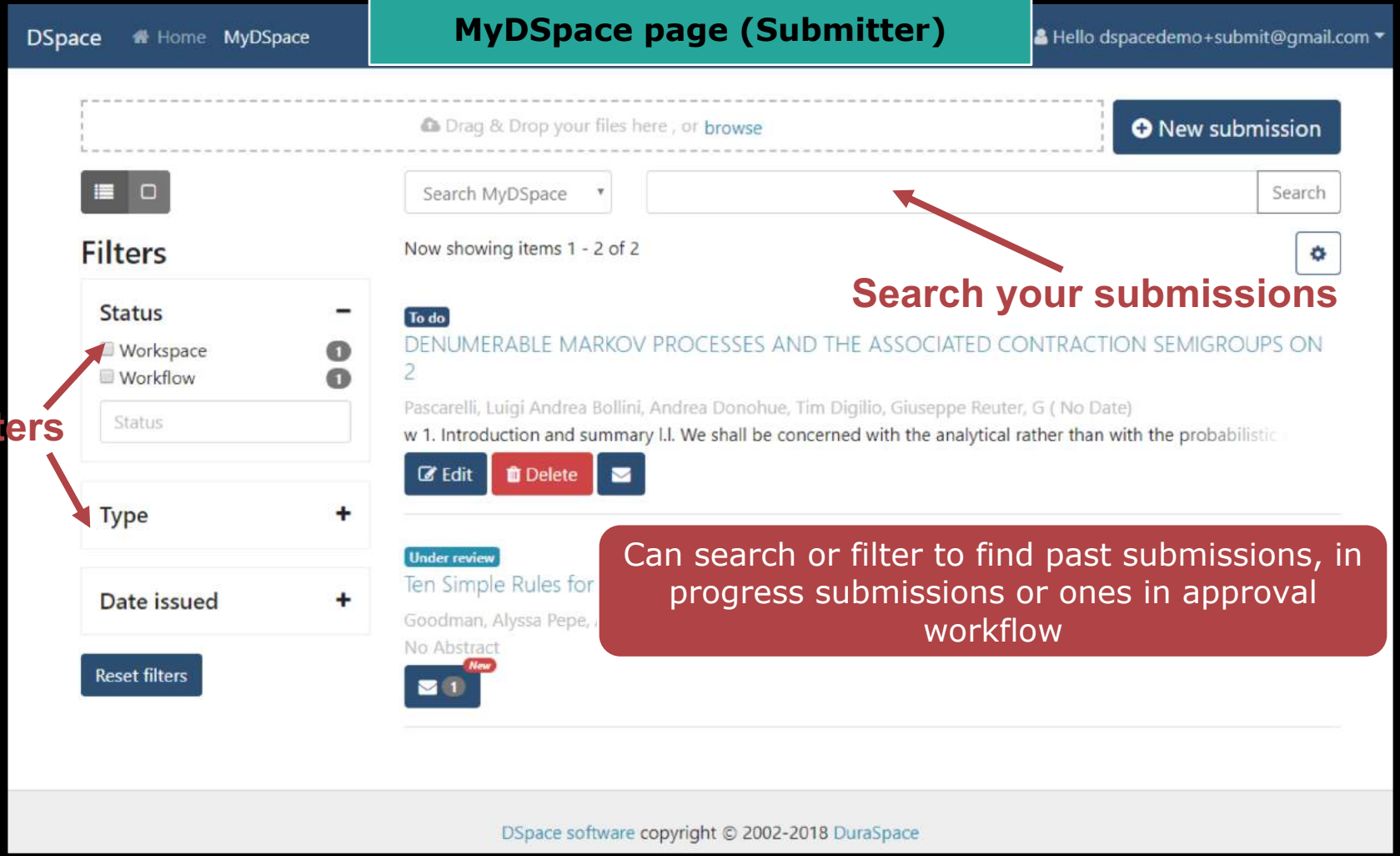
Login



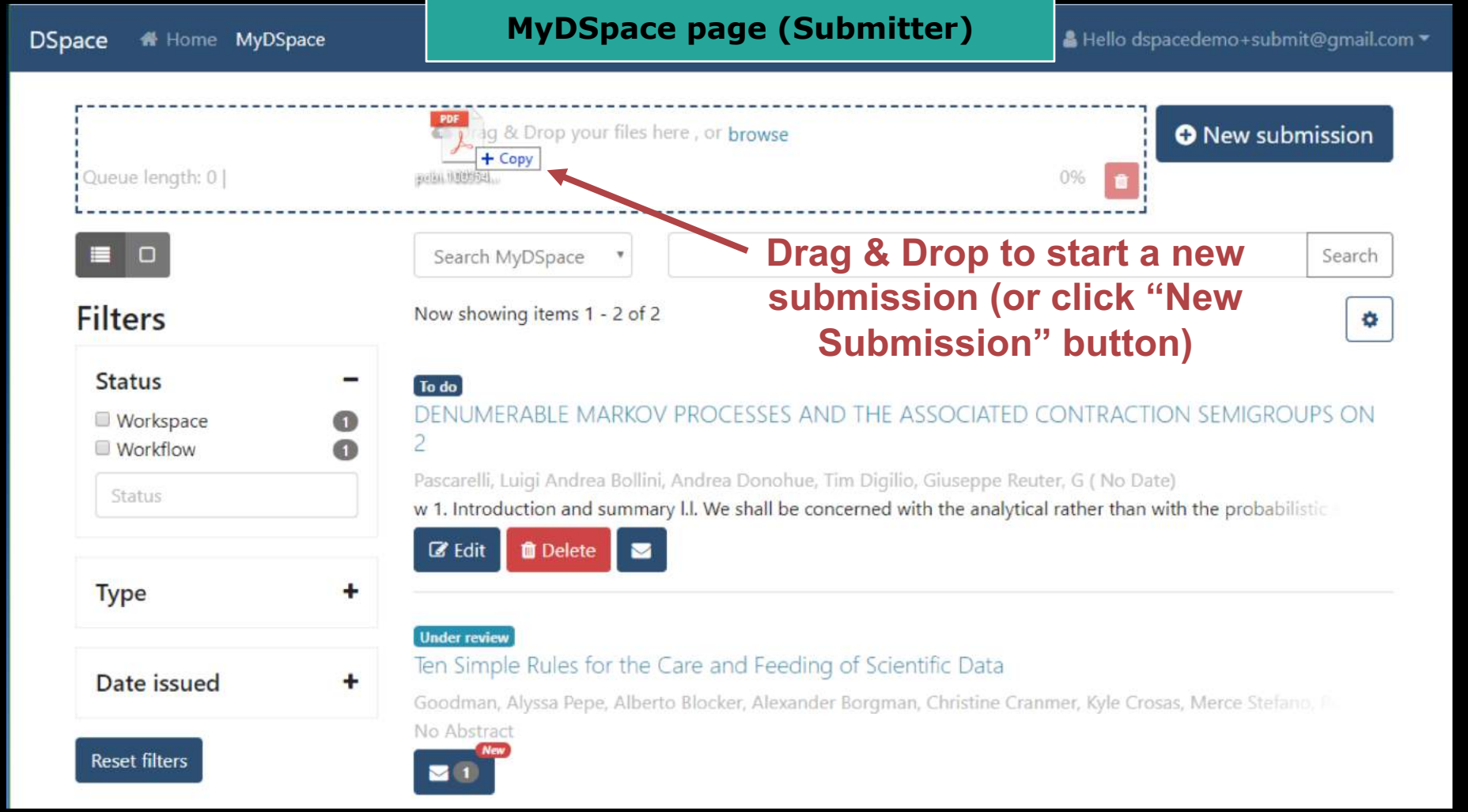
Click to login

Also prompted to login on any access restricted page

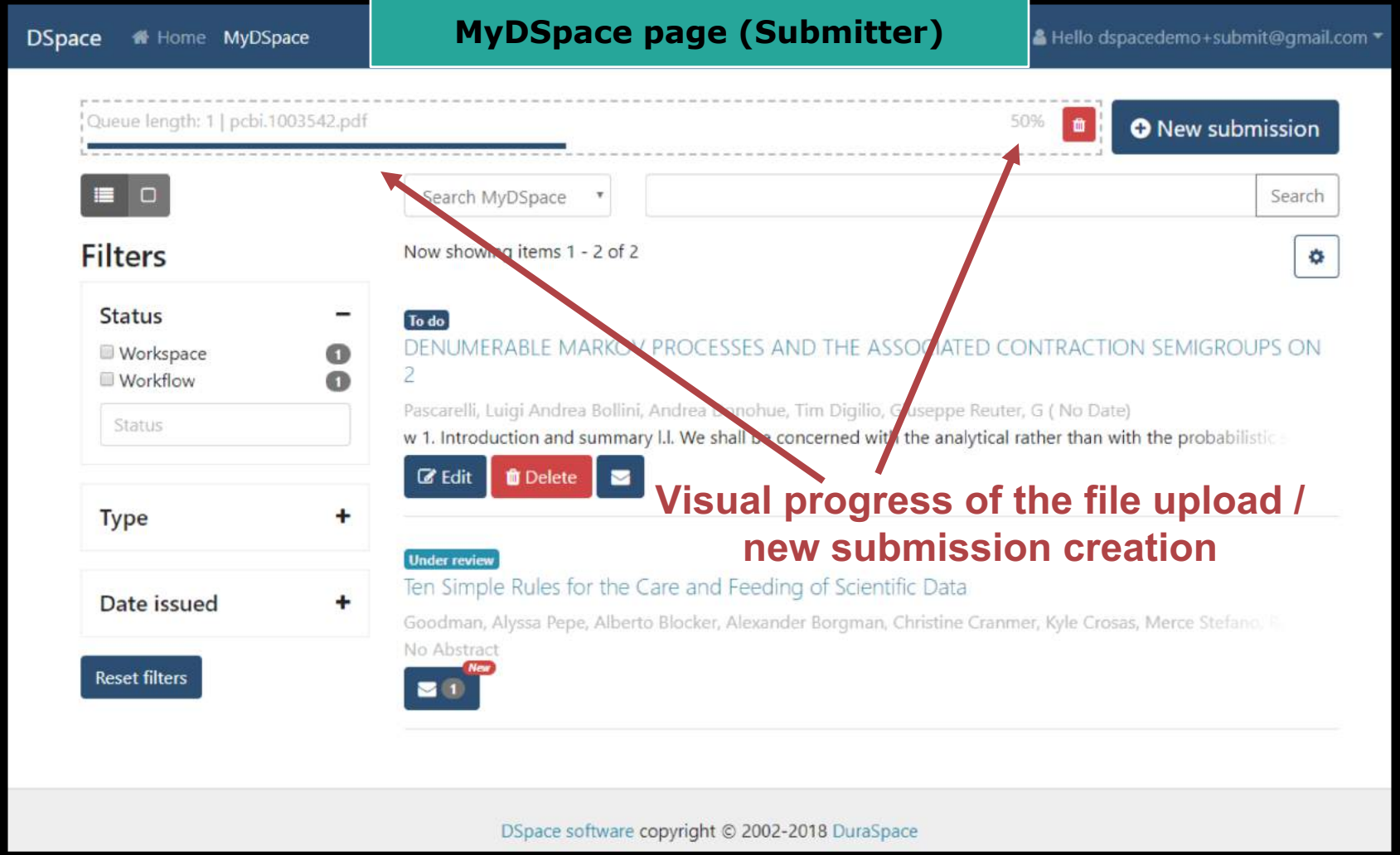
MyDSpace page (Submitter)



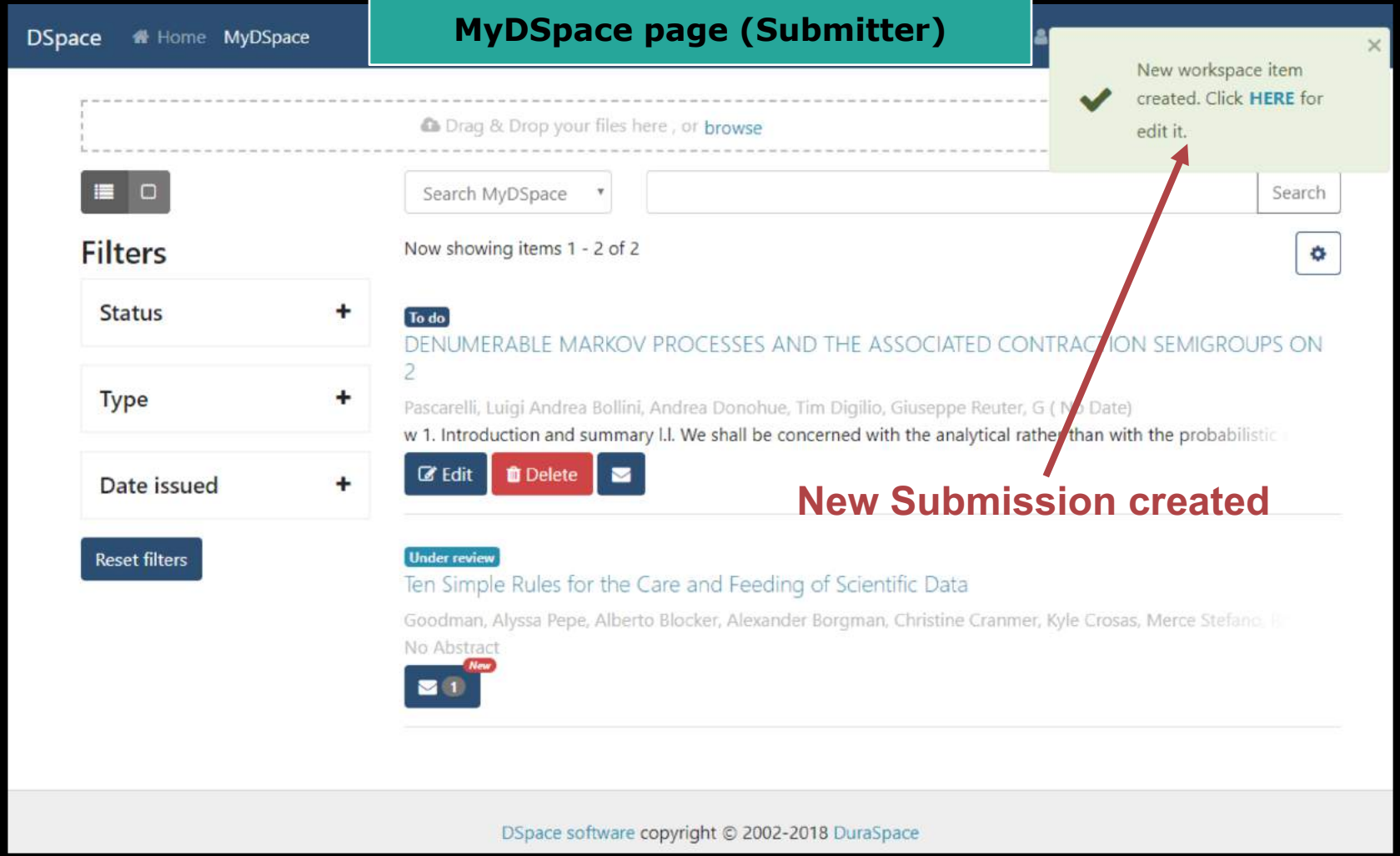
MyDSpace page (Submitter)

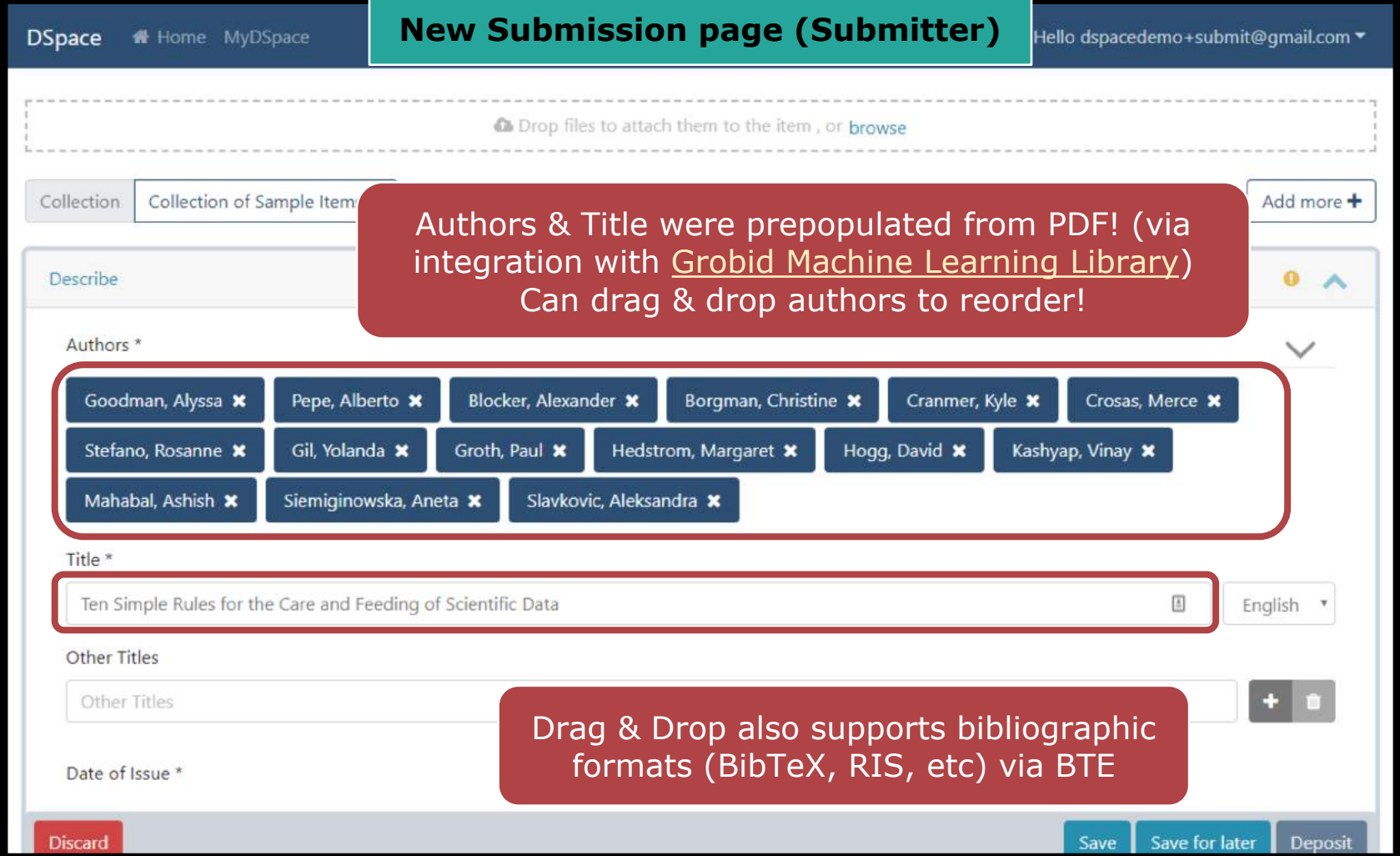


MyDSpace page (Submitter)

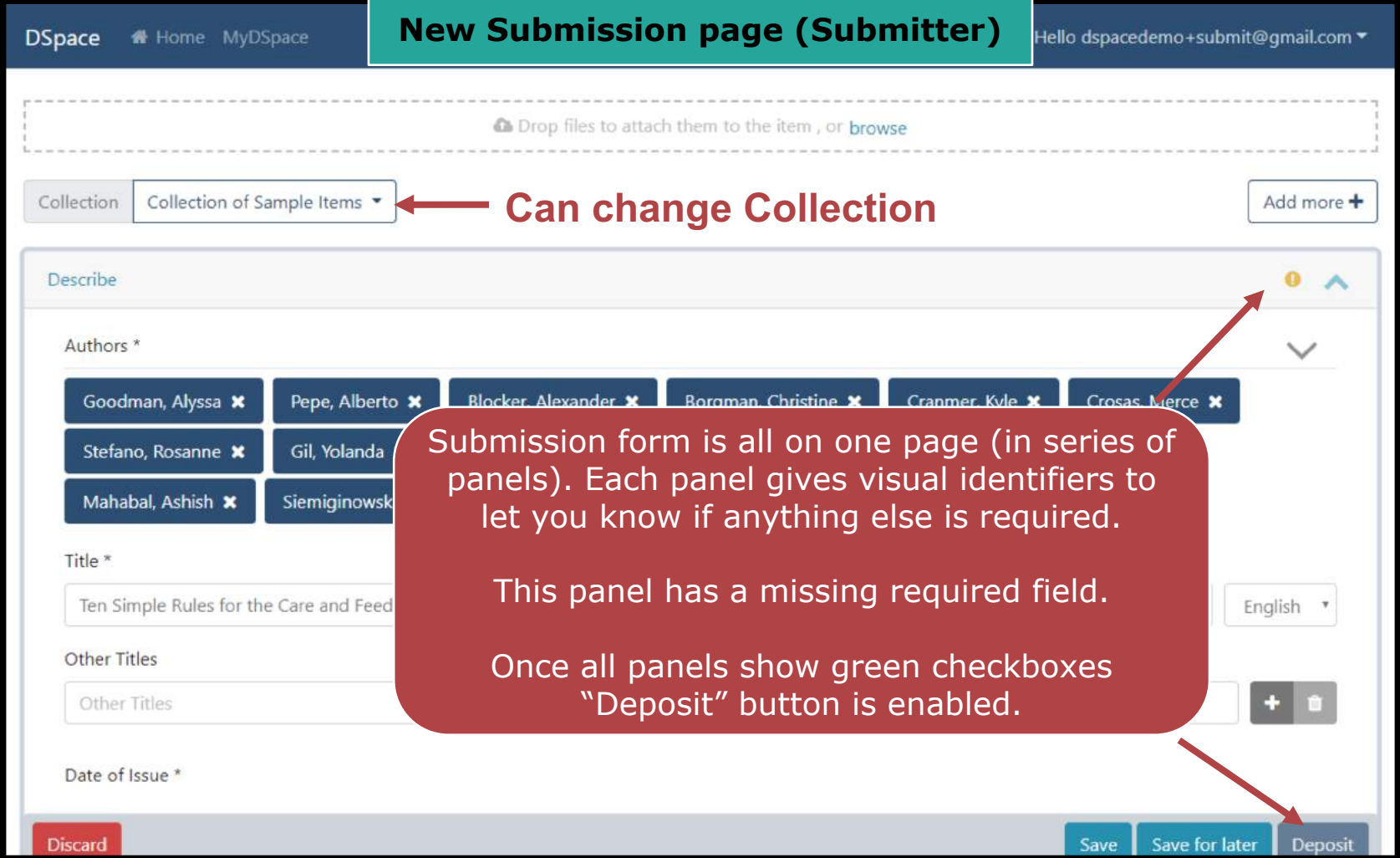


MyDSpace page (Submitter)




New Submission page (Submitter)
DSpace
Home
MyDSpace
Hello dspacedemo+submit@gmail.com
Drop files to attach them to the item , or browse
Collection
Collection of Sample Item
Add more
Authors & Title were prepopulated from PDF! (via integration with Grobid Machine Learning Library)
Can drag & drop authors to reorder!
Describe
Authors *
Goodman, Alyssa
Pepe, Alberto
Blocker, Alexander
Borgman, Christine
Cranmer, Kyle
Crosas, Merce
Stefano, Rosanne
Gil, Yolanda
Groth, Paul
Hedstrom, Margaret
Hogg, David
Kashyap, Vinay
Mahabal, Ashish
Siemiginowska, Aneta
Slavkovic, Aleksandra
Title *
Ten Simple Rules for the Care and Feeding of Scientific Data
English
Other Titles
Other Titles
Drag & Drop also supports bibliographic formats (BibTeX, RIS, etc) via BTE
Date of Issue *
Discard
Save
Save for later
Deposit

New Submission page (Submitter)

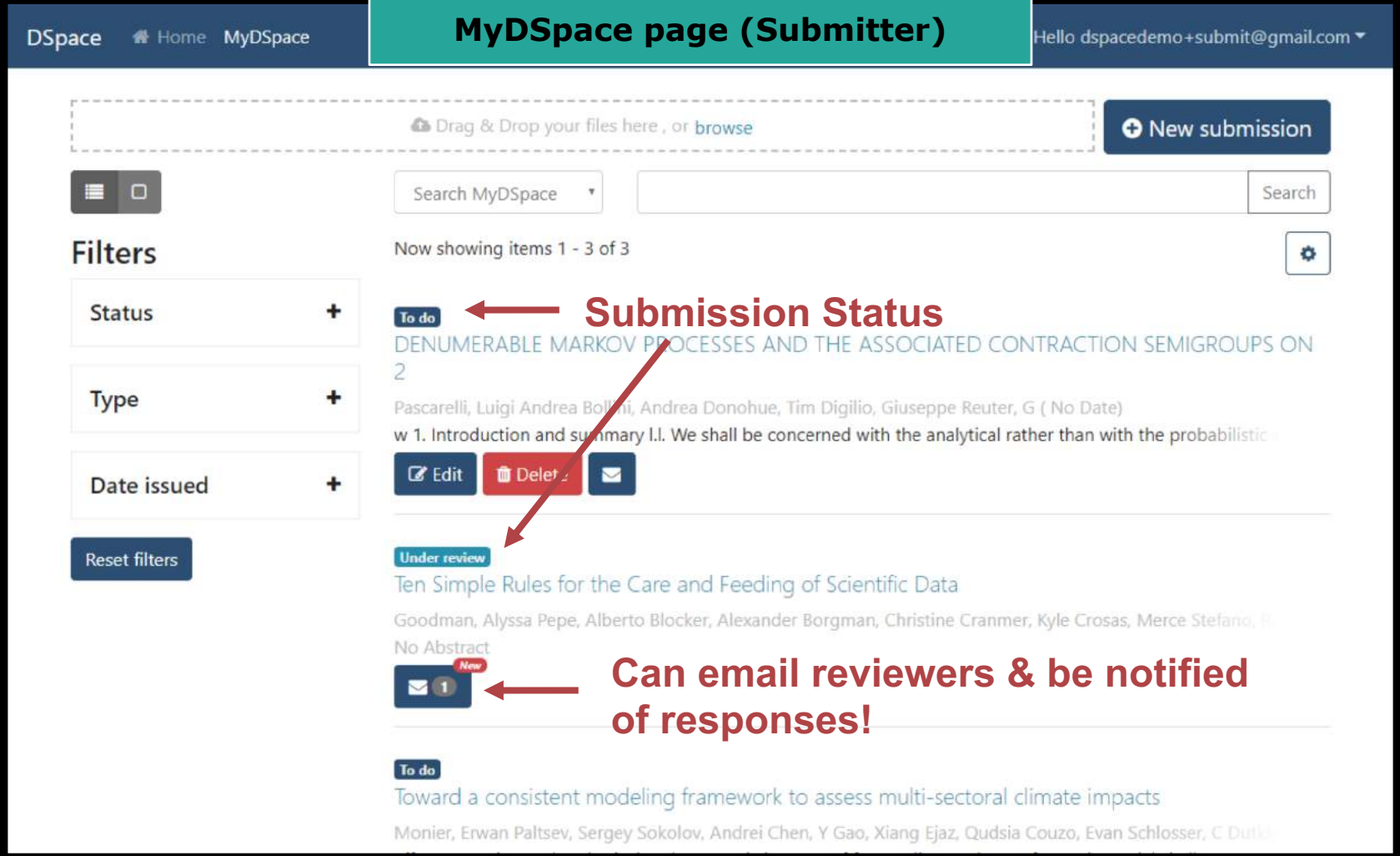


Submission form is all on one page (in series of panels). Each panel gives visual identifiers to let you know if anything else is required.

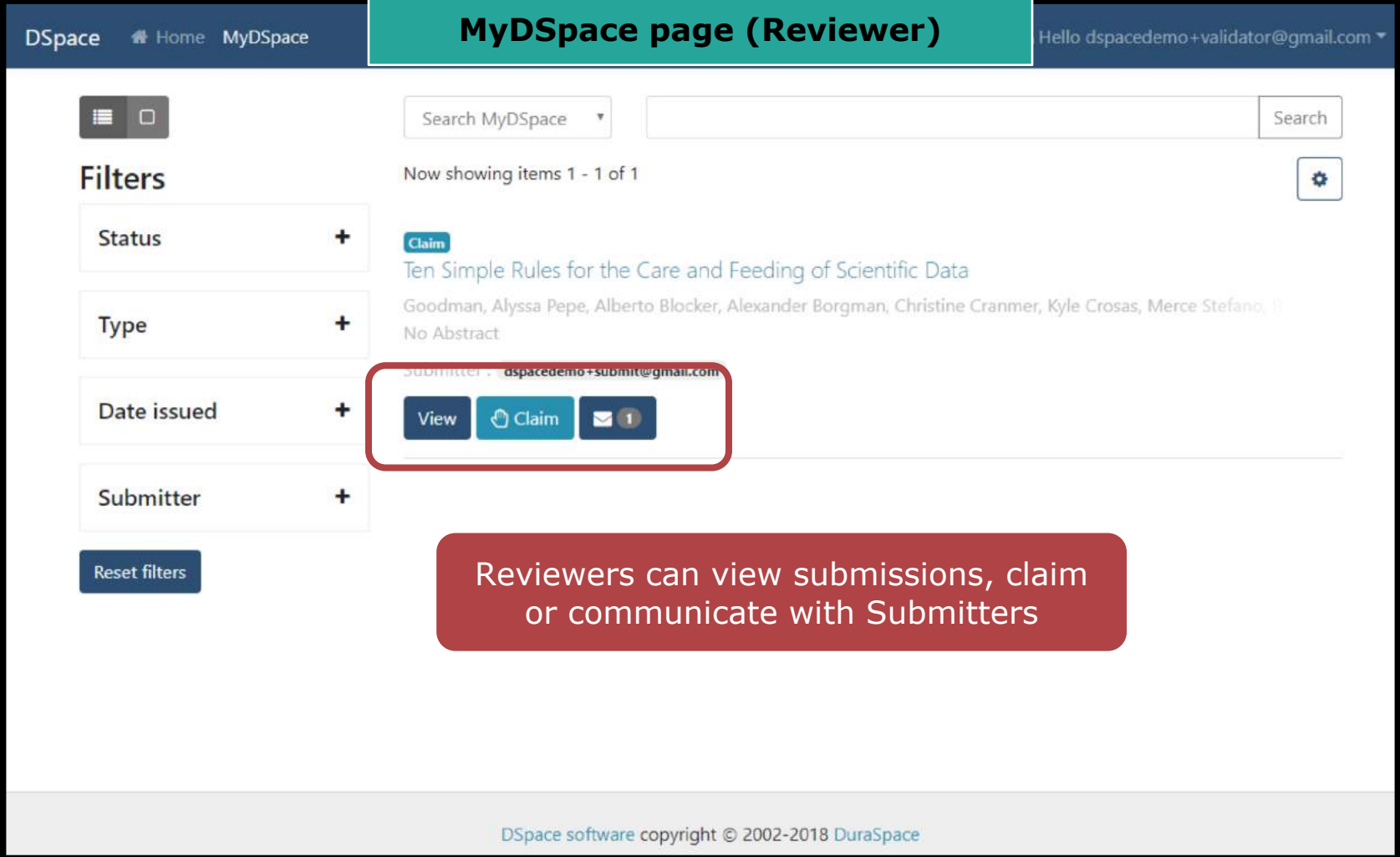
This panel has a missing required field.

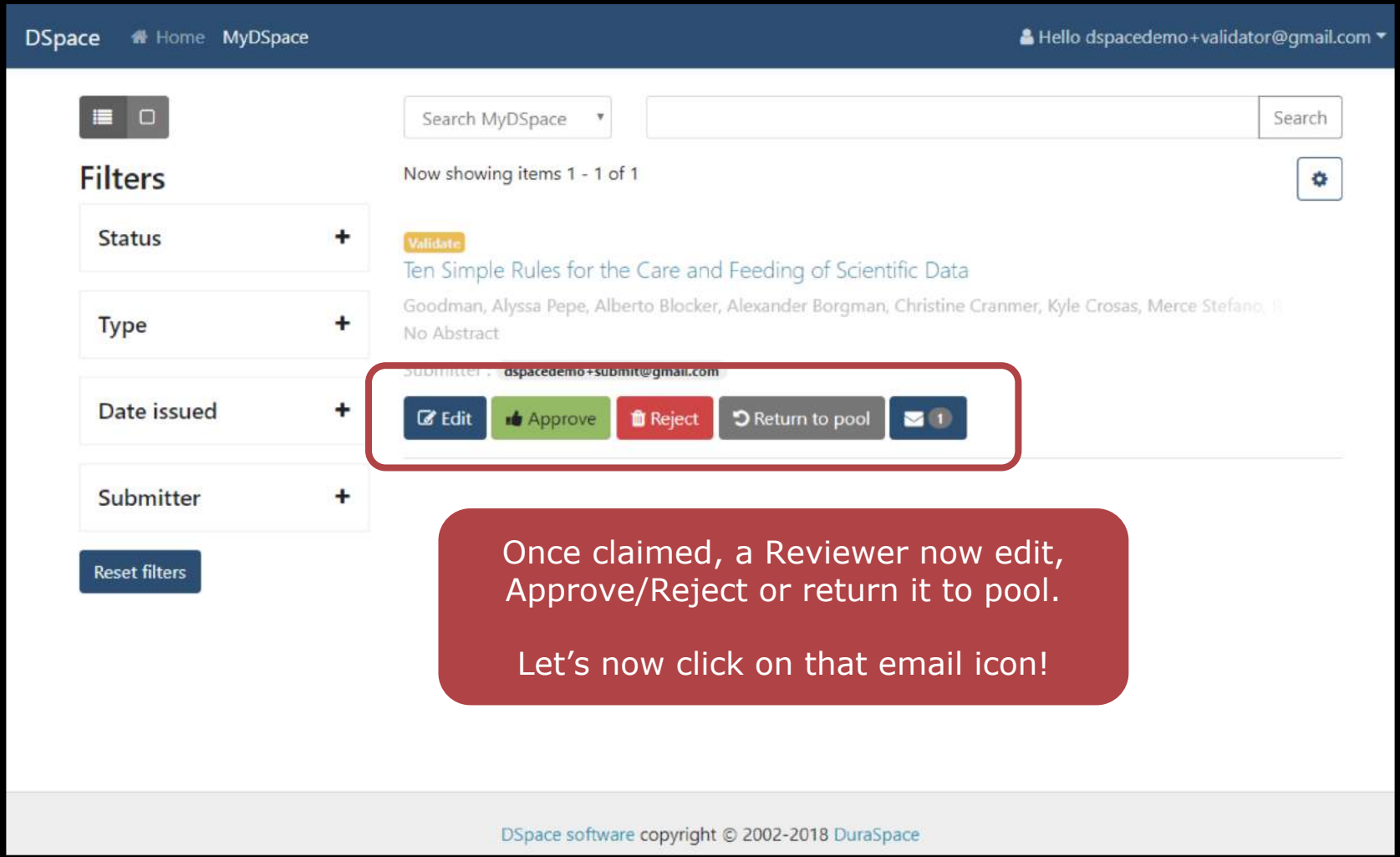
Once all panels show green checkboxes "Deposit" button is enabled.

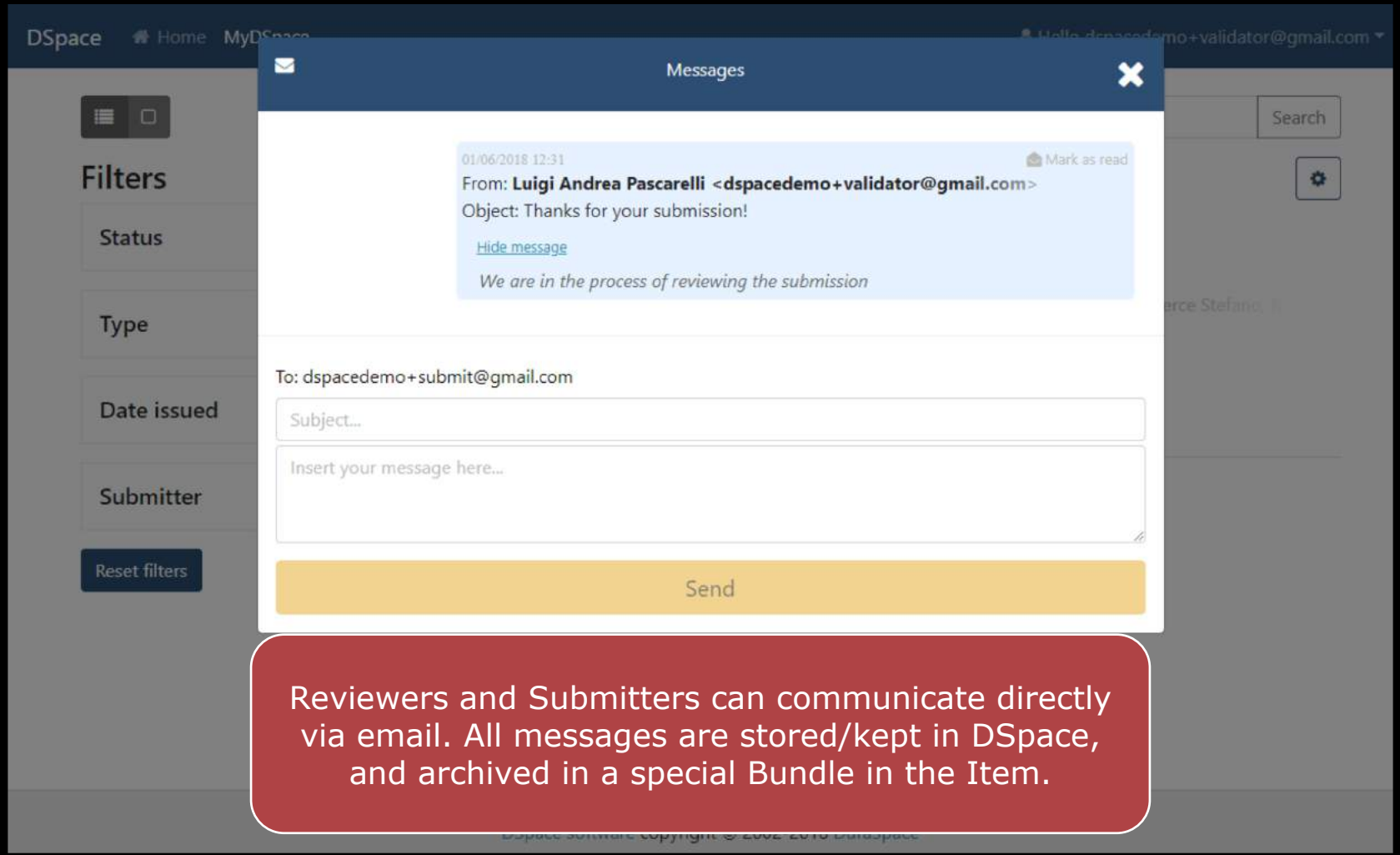
MyDSpace page (Submitter)



MyDSpace page (Reviewer)




DSpace
Home
MyDSpace
Hello dspacedemo+validator@gmail.com
Search MyDSpace
Search
Filters
Now showing items 1 - 1 of 1
Status
Type
Date issued
Submitter
Reset filters
Validate
Ten Simple Rules for the Care and Feeding of Scientific Data
Goodman, Alyssa Pepe, Alberto Blocker, Alexander Borgman, Christine Cranmer, Kyle Crosas, Merce Stefano,
No Abstract
dspacedemo+submit@gmail.com
Edit
Approve
Reject
Return to pool
1
Once claimed, a Reviewer now edit, Approve/Reject or return it to pool.
Let's now click on that email icon!
DSpace software copyright © 2002-2018 DuraSpace


DSpace
Home
MyDSpace
Search
Filters
Status
Type
Date issued
Submitter
Reset filters
Messages
01/06/2018 12:31
Mark as read
From: Luigi Andrea Pascarelli <dspacedemo+validator@gmail.com>
Object: Thanks for your submission!
Hide message
We are in the process of reviewing the submission
To: dspacedemo+submit@gmail.com
Subject...
Insert your message here...
Send
Reviewers and Submitters can communicate directly via email. All messages are stored/kept in DSpace, and archived in a special Bundle in the Item.

How to get involved (technically)

Every Wednesday, alternating between 15:00 UTC and 20:00 UTC (every other week) in #duraspace IRC channel or in #dev-mtg Slack channel

DSpace 7 will arrive more quickly with more help!

More Info on the DuraSpace WIKI

- ☑ 1st DSpace 7 Community Sprint: May 7 - 18
  - ☑ 14 pull requests, 8 contributors (2 first time)
- ☑ 2nd DSpace 7 Community Sprint: July 9 – 20
- ☐ **3rd DSpace 7 Community Sprint: Oct 1 - 12**

No availability requirements! Choose your own tickets/tasks!

No DSpace 7 experience necessary! (Coaches available)

Sign-up now! https://tinyurl.com/dspace7sprints

How to get involved (non-technically)

Join DSpace 7 Outreach Group!

- Communication / outreach around DSpace 7
- Gather UI/UX design inspiration

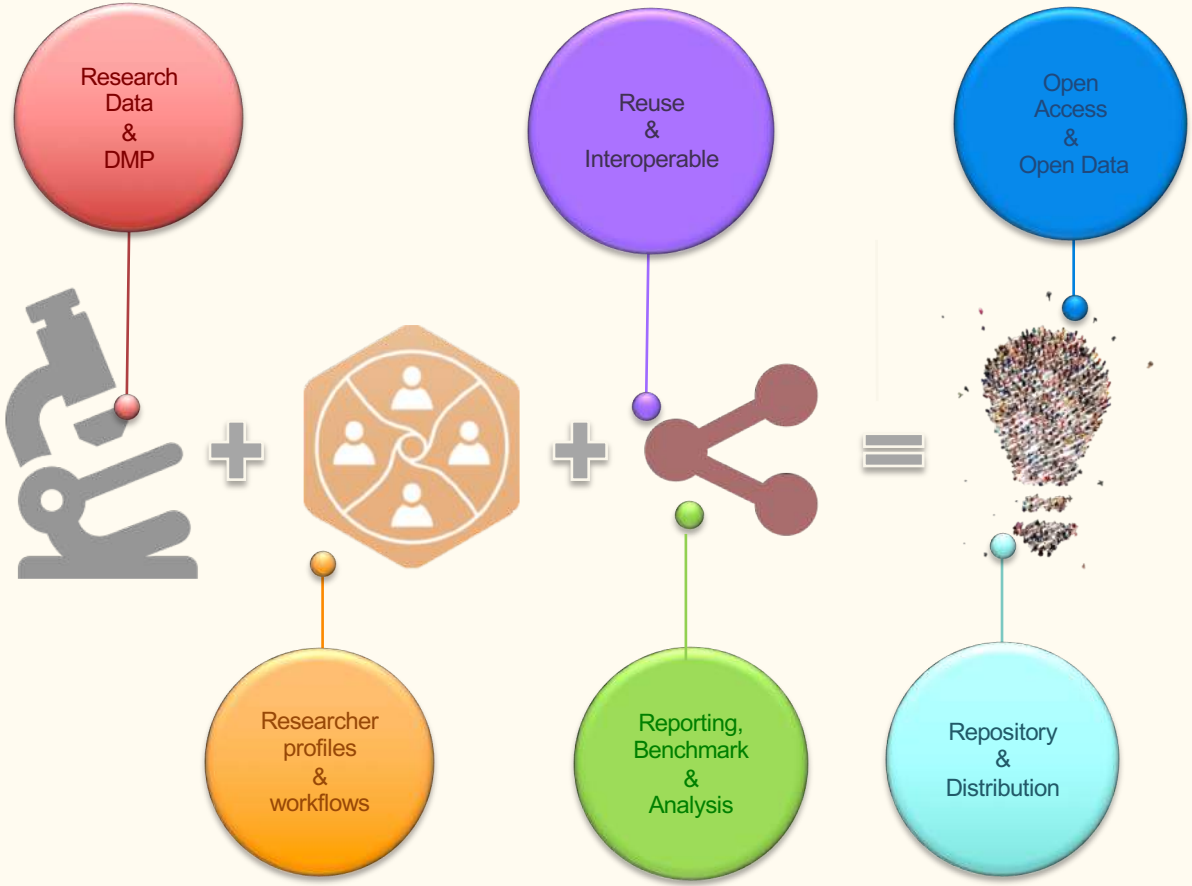
Join DSpace Community Advisory Team (DCAT)

- Repository Mgr interest group
- Advises on community needs

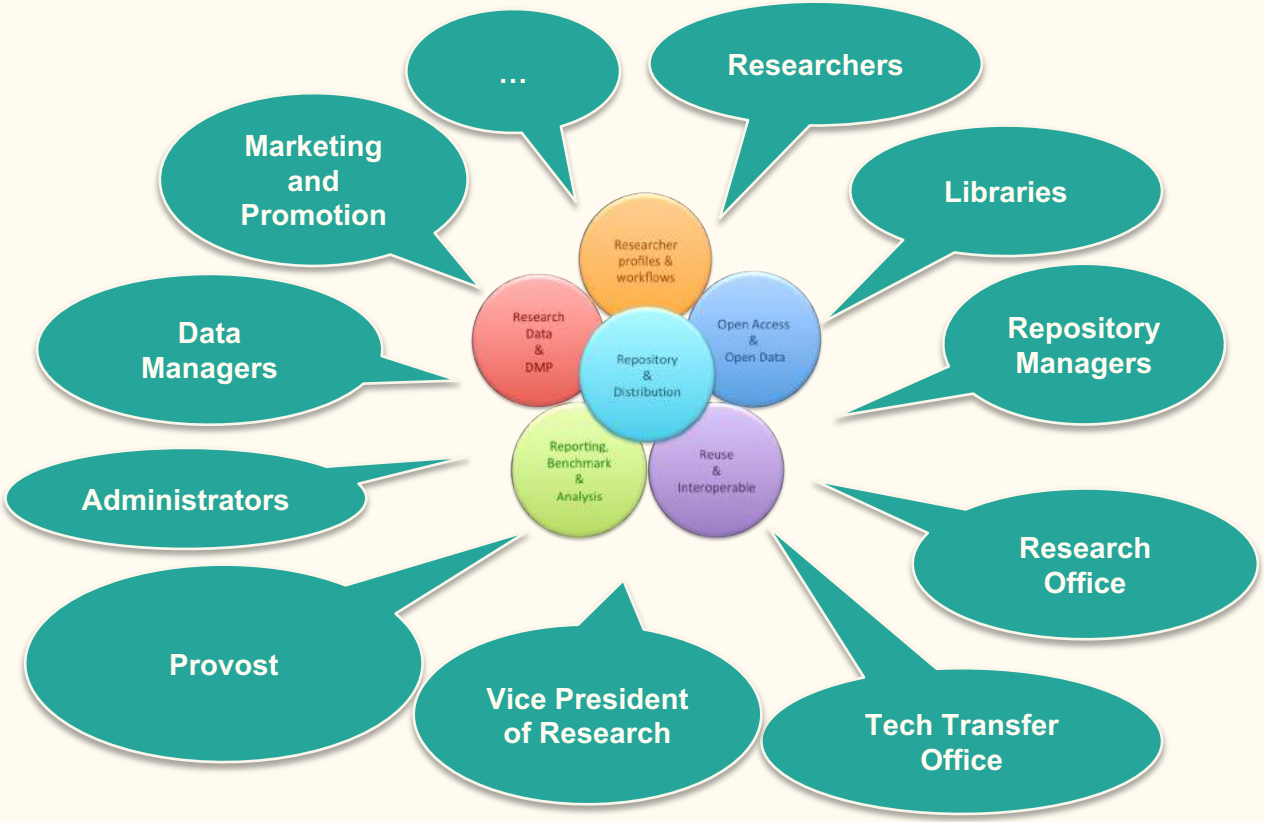
Become a member and contribute to the product roadmap and the governance

Why is it important to join?

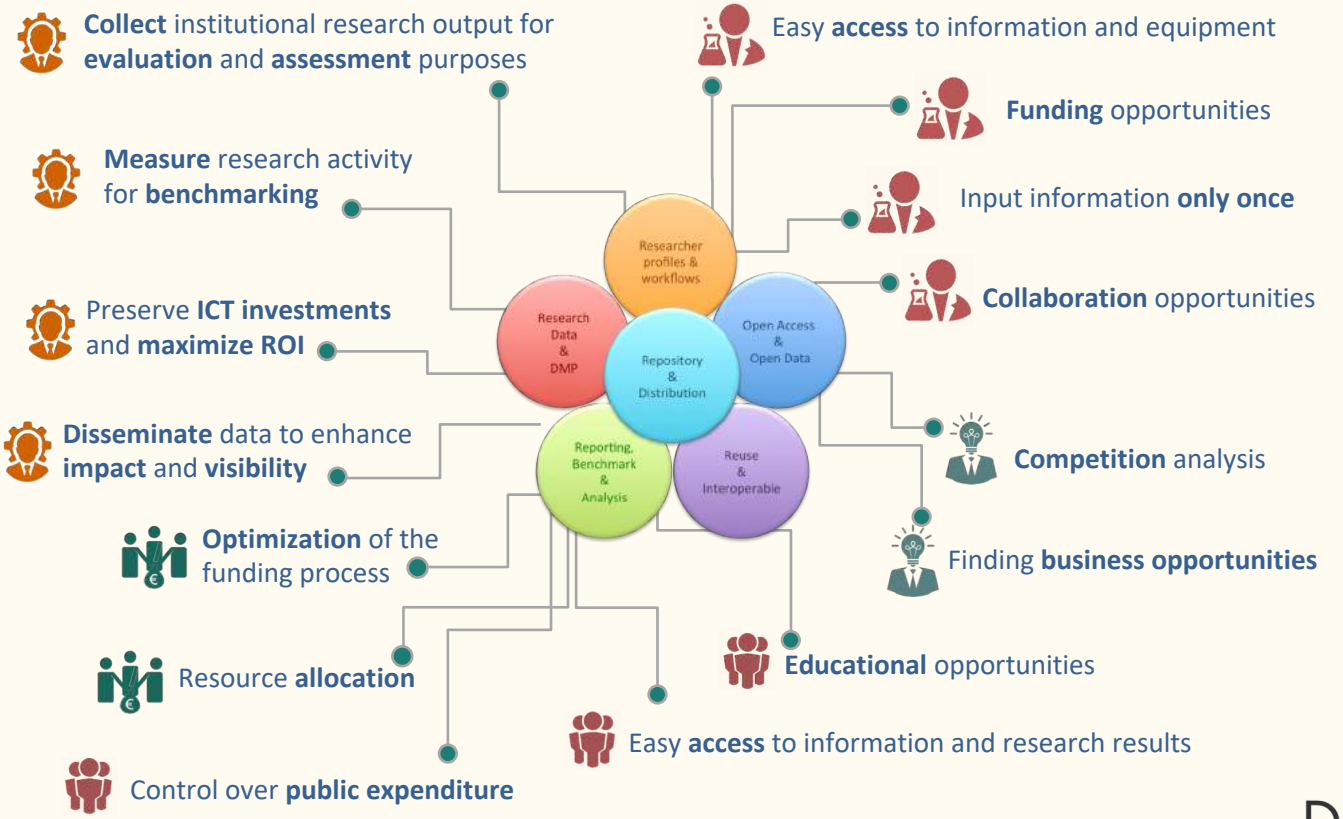
Managing Research Information



Who is involved?



Many players + many systems = an ecosystem



How to deal with the ecosystem?

Using integrated and interoperable open technologies
Developing and adopting technological standards
Collaborating internationally and sharing best practices

“One finds limits by pushing them”

- Herbert Simon

Let’s keep pushing together!

Obrigado!

Michele Mennielli
mmennielli@duraspace.org
@micmenn

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