



DuraSpace and ORCID

ORCID & TENET South Africa Workshop
Johannesburg – 5 November 2018

Michele Mennielli
International Membership and Partnership Manager

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



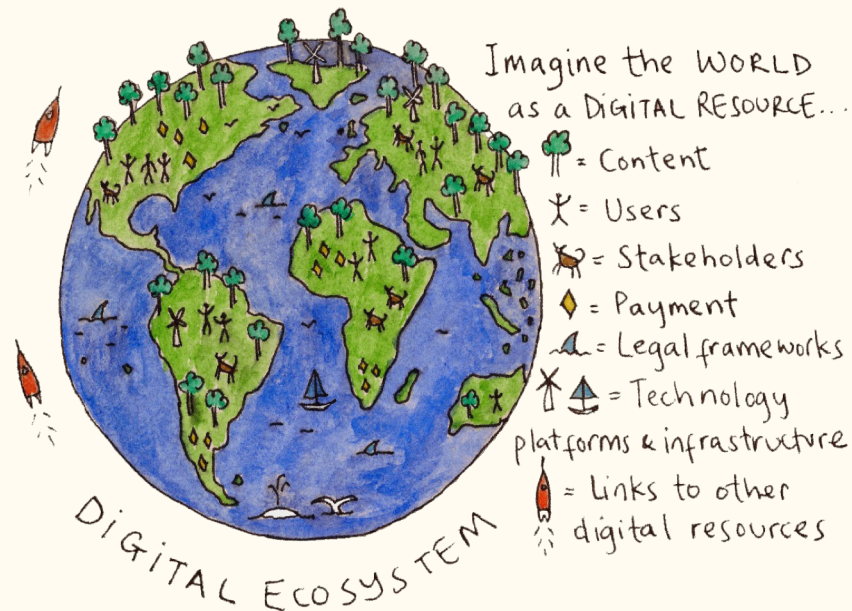
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About DuraSpace

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**

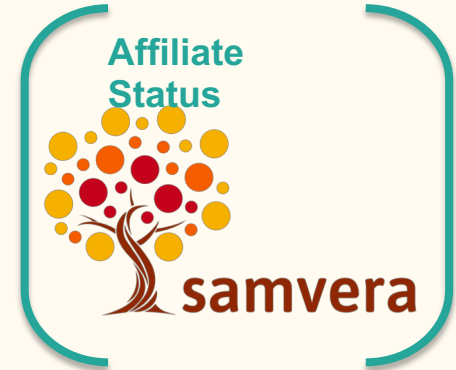


...its open source projects

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



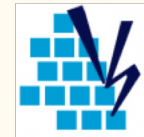
Fedora™



VIVO
connect • share • discover



...its service providers



...its partners



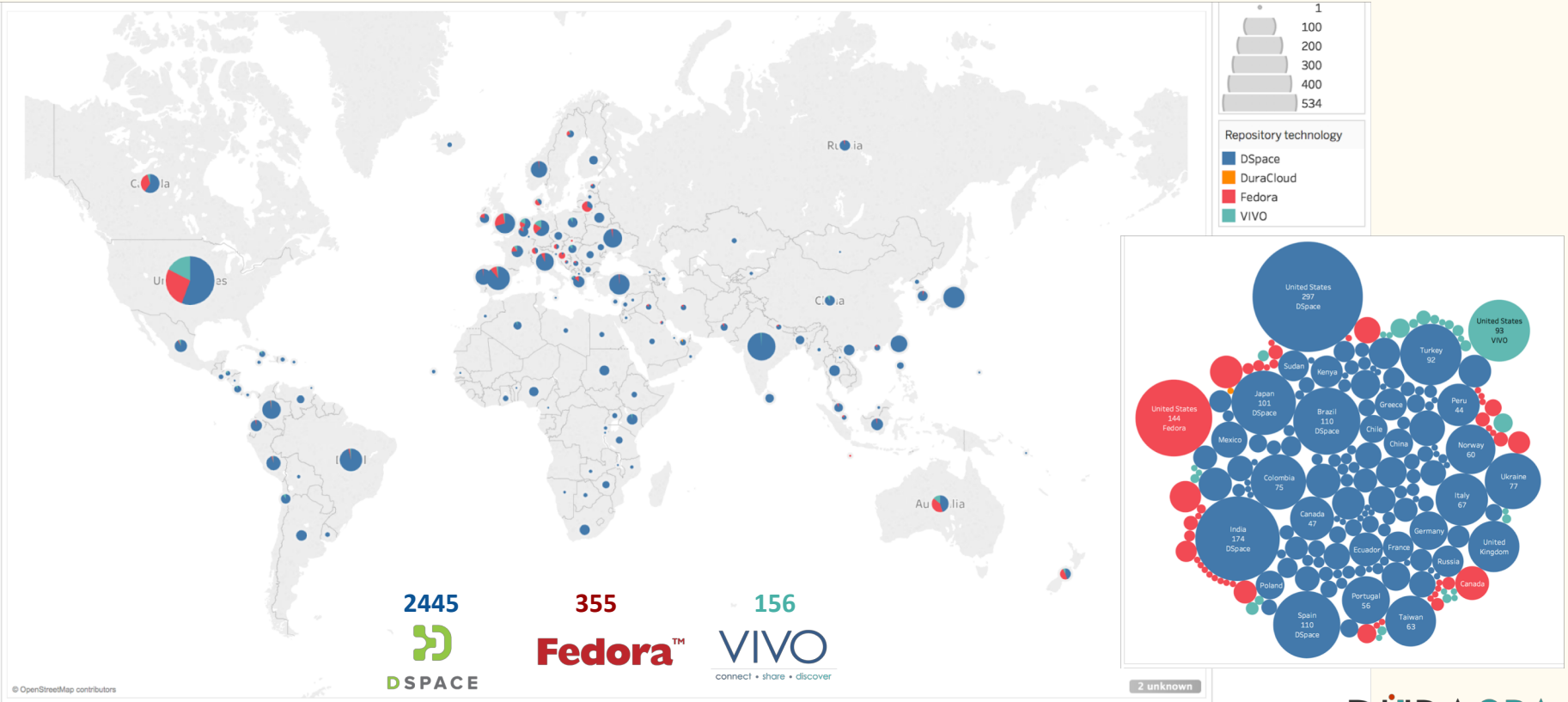
CHRONOPOLIS



...its members



... its users



*Based on the DuraSpace Registry

Focus on DSpace



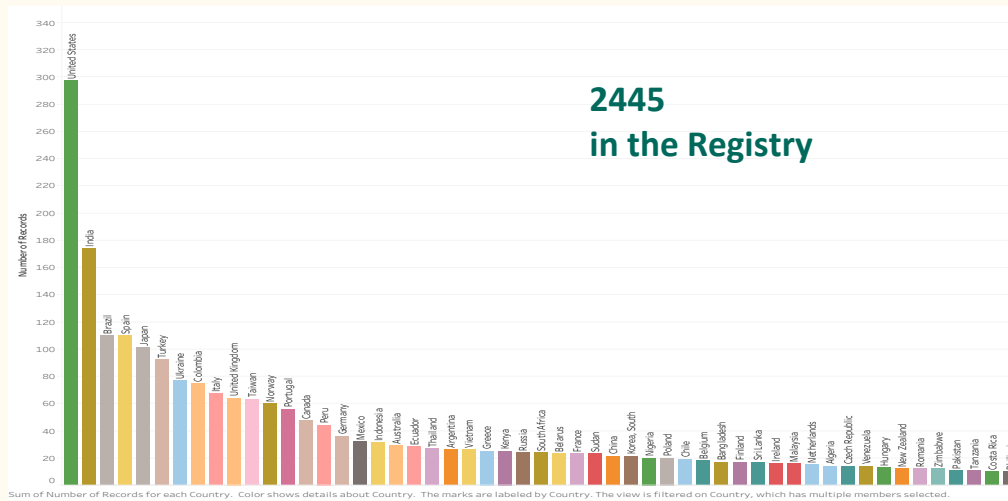
A turnkey institutional repository application

The most widely adopted repository

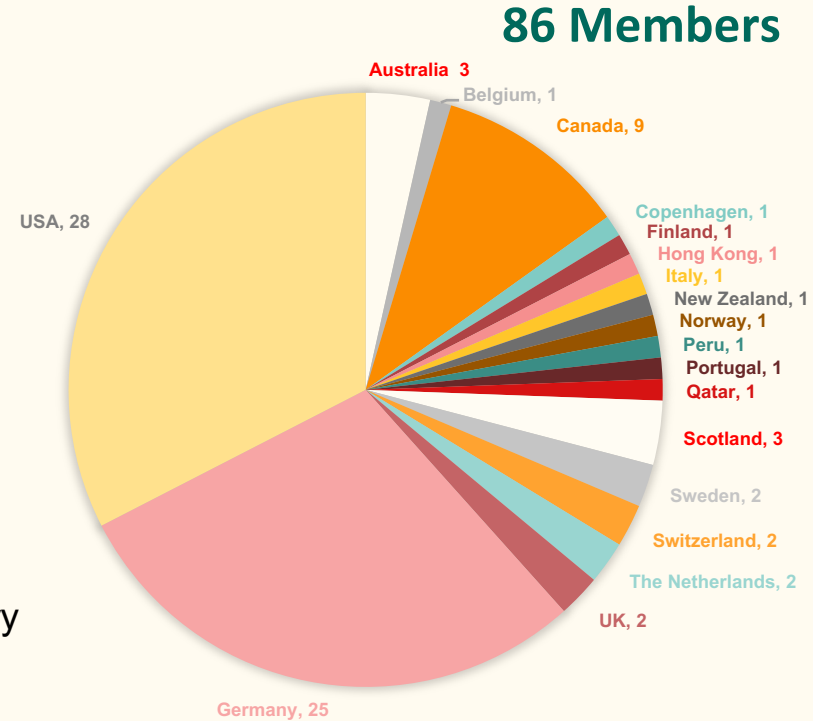
Global Community

Continuous evolution

DSpace numbers



24 Institutions found in the Registry



*Based on the DuraSpace Registry

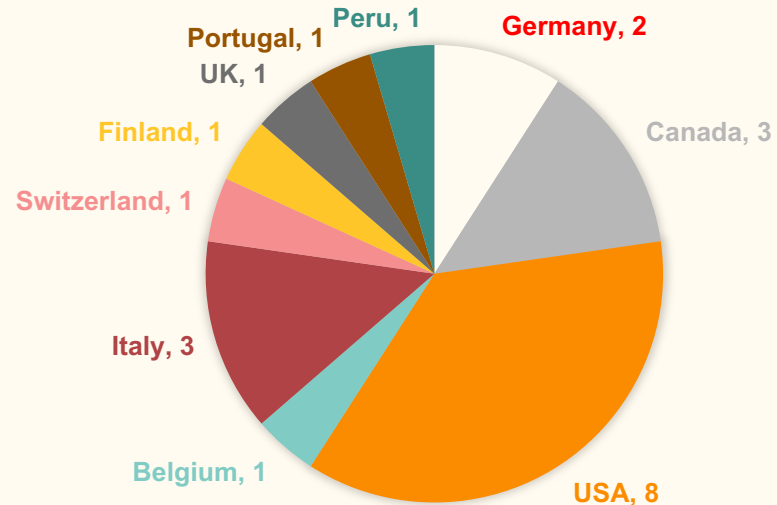
DSpace Leadership Group

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 LEADERS - COUNTRIES



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)

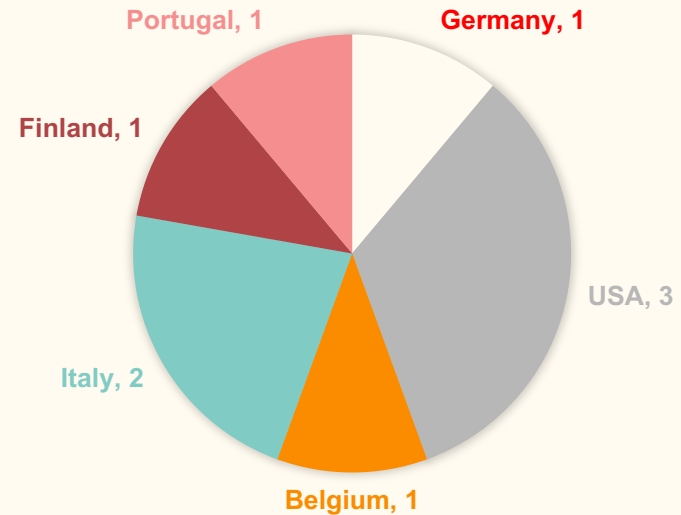
Salwa Ismail (Georgetown University)

Joao Mendes Moreira (Foundation of Science and Technology Portugal)

Susanna Mornati (4Science)

Maureen Walsh (The Ohio State University Libraries)

DSPACE STEERERS - COUNTRIES



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

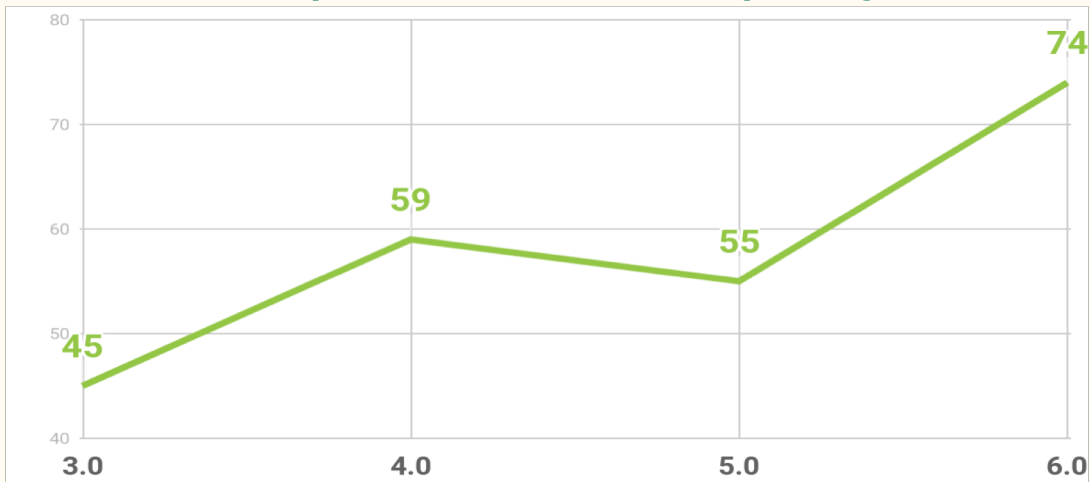
Kim SHEPHERD - <http://shepherd.nz/>

Robin TAYLOR - University of Edinburgh

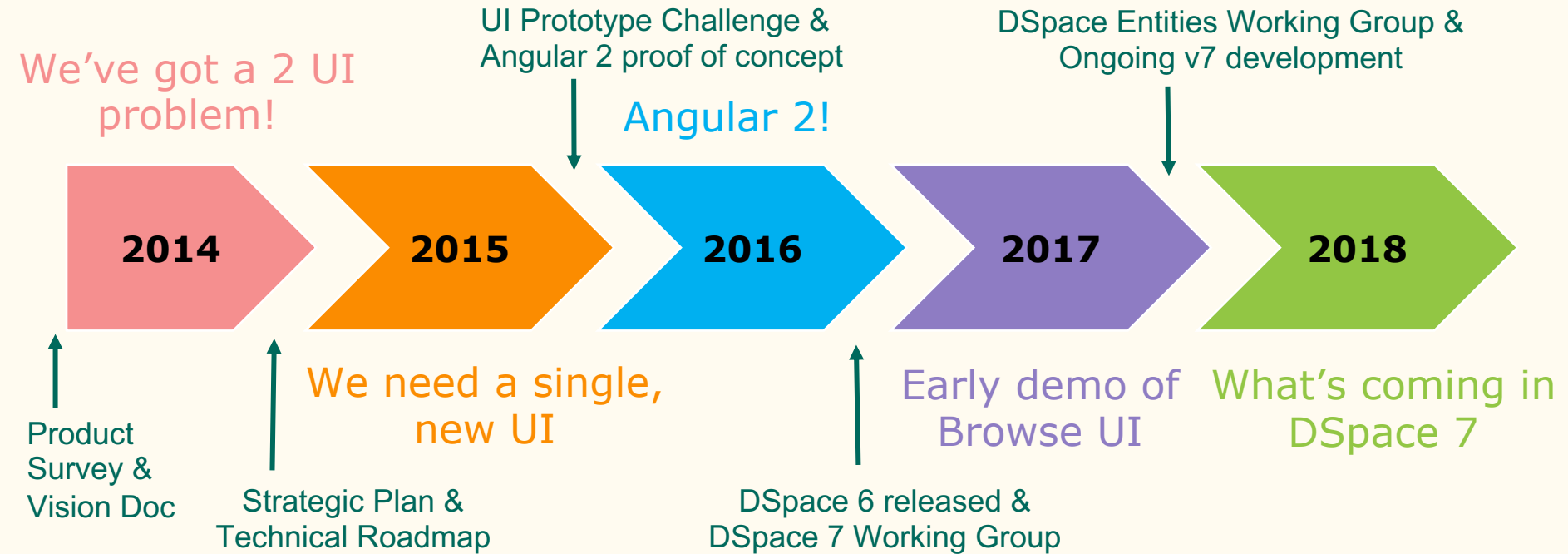
Kevin VAN DE VELDE - Atmire

Mark WOOD - Indiana University-Purdue University Indianapolis

DSpace Code Contributors per Major Release



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

How are we getting there?



Current Status

- ☒ Enhanced backend (object store, caching, speed improvements)
 - ☒ Browse (Homepage, Community, Collection, Item pages)
 - ☒ Search
 - ☒ Authentication and Authorization
 - ☒ Submission
 - ☒ Approval Workflows
 - ☐ Content Management (Create/Edit/Delete tasks)
 - ☐ Administration
 - ☐ Statistics
 - ☐ Configurable Entities support
- } Public collaboration between Hasselt U and 4Science

Development Planning Spreadsheet

Next Generation Repository Recommendations

- ResourceSync (Backports to 6.x and 5.x)
 - Discovery and synchronization of content and metadata
 - A next generation OAI-PMH
- Signposting
 - Embedding machine-discoverable links/relationships in HTML
 - Allows machines to easily find related resources on the web.



<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

DSpace & ORCID in Repositories Recommendation

Collecting ORCID iDs

- ✗ Via direct interaction with the author/contributor (*related to authentication*)
- ✓ Via mediated deposit by administrator (*pull in of ORCID IDs when submitting; searching through the ORCID ID*)
- ✓ Via bulk import by administrator

Displaying ORCID iDs ✓ *(Already in the XMLUI)*

Pulling information from ORCID ✗ *(related to authentication)*

Pushing information to ORCID ✗ *(related to authentication)*

Administrative features

- ✓ Configure which API to use
- ✓ Provide an option for testing on the [ORCID sandbox](#)
- ✗ Export a report of stored authenticated ORCID iDs, access tokens and/or ID tokens, and related data
- ✓ Include authenticated ORCID IDs in exported records (JSON, CSV, RDF, etc.)
- ✓ Include authenticated ORCID iDs in OAI-PMH output

Draft Recommendation for ORCID in Repositories

- **June 2018 – ORCID and DuraSpace** talked about a **collaboration** aiming at engaging the two **communities** to implement recommendations
- June 2018 – **ORCID in Repositories Task Force** was launched. 15 members from **12 countries** (on **6 continents!**) worked on reviewing and providing feedback on proposed recommendations for supporting ORCID in repository
- Now – the Task Force has released its Draft recommendation: Supporting ORCID in repository systems for public review and comment.
- The recommendation is open for comment through **November 15, 2018**

How to get involved with DSpace (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!

- ✓ 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)

More Info on the [DuraSpace WIKI](#)

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

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/>

Video of the live demo available at

<https://youtu.be/yKnos2jTdSQ>

“One finds limits by pushing them”

- Herbert Simon

Let's keep pushing together!



Thanks!

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[@micmenn](#)

