2019-10-29 DSpace 7 Entities WG Meeting

Date & Location

29 Oct 2019 at 16:00 UTC (11:00am EDT)

Location:

Join from PC, Mac, Linux, iOS or Android: **https://lyrasis.zoom.us/my/dspace** *(Meeting ID: 502 527 3040)*

Attendees

Actual attendee list will be updated after meeting.

- Tim Donohue - LYRASIS
- Pascal-Nicolas Becker - The Library Code **(unavailable)**
- Alexander Sulfrian - Freie Universität Berlin
- Lieven Droogmans - Atmire
- Ben Bosman - Atmire
- Paulo Lopes - FCT|FCCN
- Mark H. Wood - IUPUI
- Paulo Graça- FCT|FCCN
- Jose Carvalho - University of Minho
- Dimitris Pierrakos - ARC/OpenAIRE
- Oliver Goldschmidt - Hamburg University of Technology (TUHH)
- Helen Baer - Colorado State University

Agenda

#	Time	Item	Information	Who
1	5mins	Agenda	Any additional topics to today's agenda?	All
2	20min	Updates on OpenAIRE v4	Initial presentation: https://docs.google.com/presentation/d/1G7JGRHq-qgQ44GSr3guBEUEQTb2-6JjKKsQ0-cPGkBM/edit?usp=sharing Review of document: https://docs.google.com/document/d/1mUrtxbVMhCmp18doZ2kavZAAJ2LMemmeiYPPC6O13LU/edit?usp=sharing Mainly focus on Annex 6 and Annex 7 Define DSpace 7 and OpenAIRE 4 concept (default fields + openaire 4 fields ? OR duplicate /ignore duplicate fields when importing metadata fields) Discuss future steps (new files: openaire4-entity-types.xml; openaire4-relationship-types.xml) + demo	Jose and Paulo
3	15min	Working to finalize task list for DSpace 7 Estimation Process	• Review our updated Task List ○ Filter out tasks that are "out of scope" for DSpace 7 (likely in DSpace 8 or beyond) ○ Define/scope/subdivide tasks that we want to estimate for DSpace 7.0 inclusion • Looking for additional volunteers to help with estimation of tasks! • Tim to report back on whether he can be the secondary estimator on all tasks.	All
4	10mins	Wrap-up and Assigning tasks	• Assign tasks / PRs to review (as needed) • Next meeting is **Tues, Nov 5**	

Current Work

Tickets to Resolve

- All JIRA tickets tagged with "Configurable Entities": https://jira.duraspace.org/issues/?jql=project%20%3D%20DS%20AND%20component%20%3D%20%22Configurable%20Entities%22
    - Critical Tickets: https://jira.duraspace.org/issues?jql=project%20%3D%20DS%20AND%20priority%20%3D%20Critical%20AND%20component%20%3D%20%22Configurable%20Entities%22
    - Major Tickets: https://jira.duraspace.org/issues?jql=project%20%3D%20DS%20AND%20priority%20%3D%20Major%20AND%20component%20%3D%20%22Configurable%20Entities%22
- **(HIGH PRIORITY)** Bug with performance of Angular (especially with regards to Entities, e.g. in PR#402): https://github.com/DSpace/dspace-angular/issues/458

PRs Needing Review

1. (REST Contract) Metadata suggestions in the live import https://github.com/DSpace/Rest7Contract/pull/83 (Paulo Graça - suggests to split in 2, Tim Donohue - added questions/feedback)
2. (REST) Entities bug-fixes in place management https://github.com/DSpace/DSpace/pull/2551 (Chris Wilper, Tim Donohue, Paulo Graça) **May just need one approval**
3. (REST) Feature: external sources https://github.com/DSpace/DSpace/pull/2560 (Paulo Graça, Tim Donohue)
4. **(NEW)** (REST) Entities: configuring whether name variants should be used https://github.com/DSpace/DSpace/pull/2561 (Paulo Graça, Tim Donohue)
5. (Angular) Item page entities changes/refactoring https://github.com/DSpace/dspace-angular/pull/475 (Paulo Graça ✅ , Tim Donohue - **quick review**)
6. (Angular) Name variants on item pages https://github.com/DSpace/dspace-angular/pull/496 **1 APPROVAL** (Paulo Graça ✅, Tim Donohue - **quick review**)

PRs Merged this week!

1. ✅ (REST) Ds 4224 paginated methods for relationships https://github.com/DSpace/DSpace/pull/2535
2. ✅ (REST Contract) Entities: Creating an archived item from an external source https://github.com/DSpace/Rest7Contract/pull/82

Task List

This task list has been updated as of our meeting on Oct 22, 2019. The tasks are numbered for easy reference, but are not necessarily listed in priority order. During this meeting we worked to re-summarize current work status so that we can align this task list with the DSpace 7 Estimation Process (and as such, estimate any we feel should be considered for 7.0 release). *NOTE: Keep in mind, just because a task is listed here does NOT guarantee it will be completed for DSpace 7. Some of these tasks may need to be delayed for a future release.*

1. ✅ Metadata schemas for Entity types (DS-4223).
    a. REST: https://github.com/DSpace/DSpace/pull/2443 , Angular: https://github.com/DSpace/dspace-angular/pull/420
    b. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.wjaqg235p53r
2. ⚠️ (Minor refactor) Decide which metadata field should be used to store Entity Type (DS-4184). Currently, it is stored in "relationship.type".
3. ✅ Creating Relations (between Entities) with CSV Batch Import
    a. REST: https://github.com/DSpace/DSpace/pull/2269 and https://github.com/DSpace/DSpace/pull/2471 and https://github.com/DSpace/DSpace/pull/2522
    b. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.df1z7jh9mcc

4. ✅ Permissions on Relations (between Entities)
    a. Discussed on Aug 6
    b. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.y6qarjnylexl
5. Deleting Entities that have existing relations
    a. ✅ Deletion action itself:
        i. REST Contract: https://github.com/DSpace/Rest7Contract/blob/master/relationships.md#deleting-a-relationship , REST: https://github.com/DSpace/DSpace/pull/2332 , Angular: https://github.com/DSpace/dspace-angular/pull/402
        ii. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.c62y8iqnvlur
    b. ⚠️ Copy virtual metadata from deleted entity to related entity
        i. REST Contract: https://github.com/DSpace/Rest7Contract/pull/78
        ii. **In implementation (REST API and Angular)**
6. ✅ Dynamic display of Relations
    a. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.pm34t6u1djdf
    b. ⚠️ May require usability improvements (*NEEDS DISCUSSION*)
7. Submission Integration Tasks
    a. ✅ Creating new Entities using Submission Forms
        i. REST: https://github.com/DSpace/DSpace/pull/2443
        ii. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.9aixusqzgcnp
    b. ⚠️ Creating relations between two Entities during Submission process
        i. Contract: https://github.com/DSpace/Rest7Contract/pull/64 , REST: https://github.com/DSpace/DSpace/pull/2472
        ii. **In Implementation (Angular)**
        iii. Early Docs / Notes: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.9aixusqzgcnp
    c. ⚠️ Search External Sources (includes ORCID integration with Entities)
        i. REST Contract: https://github.com/DSpace/Rest7Contract/pull/74 **(in review)**
        ii. REST: https://github.com/DSpace/DSpace/pull/2560 **(in review)**
        iii. **In Implementation (REST API and Angular)**
    d. ⚠️ Convert External Sources to an Entity
        i. If an Admin: Contract under review: https://github.com/DSpace/Rest7Contract/pull/82
        ii. If a Submitter: Contract under review: https://github.com/DSpace/Rest7Contract/pull/83
8. Name Variants
    a. ⚠️ Create name variants in submission
        i. **In Implementation (REST API and Angular)**
    b. ✅ Display name variants on Item pages (Angular)
9. ⚠️ OpenAIRE v4 implementation (using Entities)
    a. **TO BE DISCUSSED ON OCT 29.**
    b. Early PR expected in the next week or so. This initial work will be configuration only (no new code).
    c. Possible need for a follow-up PR to implement improvements to OAI-PMH to support OpenAIRE v4.
10. ⚠️ How to display related items on an Item page if that related item is still in workflow approval
    a. **TODO: Needs proposal.** Early idea is to simply display the related item as plain text metadata (until approved).
11. ⚠️ Edit Item page integration
    a. **TODO: Needs proposal.** How to display relationships on "edit metadata" tab. How to add relationships on "relationships" tab
12. ❓ Relations in AIP Backup & Restore
    a. **Discussed on Oct 15**
    b. Proposal: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.qi8bp6kog7yi
13. ❓ Creating Relations in SAF Import (might be postponed for a future release)
    a. Requires AIP Backup & Restore
    b. Proposal: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.n8ktliibe7kj
14. ❓ SWORD integration (might be postponed for a future release)
    a. Requires AIP Backup & Restore, as SWORD uses the same crosswalks / format as AIP.
    b. Proposal: https://docs.google.com/document/d/1X0XsppZYOtPtbmq7yXwmu7FbMAfLxxOCONbw0_rI7jY/edit#heading=h.xufwyy1ep8h2
15. ❓ Best Practices around Entities in Collections (NOT: this may just be early documentation). We've suggested in the Preview Release to structure Collections based on Entity Type (Person Collection, Projects Collection, etc). We should better document and formalize these best practices.
    a. Should we eventually consider hiding these Collections which only serve to store Entity Types?

Notes

- Discussion of OpenAIRE v4 updates.
    ○ Jose presented this slidedeck (first 5 slides are the new updates): https://docs.google.com/presentation/d/1G7JGRHq-qgQ44GSr3guBEUEQTb2-6JjKKsQ0-cPGkBM/edit
    ○ Some discussion around whether we should have separate "relationship-types.xml" and "schema.xml" (entity-types.xml) files specific to OpenAIRE
        ■ Tim notes that we might want to see if we can just update/use the core Entity "relationship-types.xml", if possible.   We need to determine though if there's significant overlap
        ■ For now, this approach seems good enough for a PR. Once we see the PR, we might be able to more easily determine whether OpenAIRE needs custom configs, or if it can be added into the core Entities around Author Profiles / Publications.
- Discussion of Task List
    ○ Tim updated our list in this Wiki agenda based on last week's meeting
    ○ Lieven has internal estimates for the remaining tasks (except OpenAIRE and #12-15, which might be delayed). See entities-task-list.pages.pdf
        ■ The top 7 tasks in this list have been subtotaled, as these are tasks that are already in progress – and that is the effort remaining in each task. They total about 38 days of effort for 1 FTE.

- The bottom 4 tasks have not been started, and perhaps could be candidates to move to the DSpace 7 Working Group meetings and/or reprioritize (as necessary)
    - Atmire feels these estimates are accurate. We can at least use them as draft estimates for now, and check with Leadership / Governance if we need to do a more thorough estimation
- Assigned PRs and closed out meeting. Next week we'll touch base again on OpenAIREv4 – hopefully there will be an early PR to discuss.