

# 2019-11-12 DSpace 7 Entities WG Meeting

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## Date & Location

12 Nov 2019 at 16:00 UTC (11:00am EDT)

### Location:

Join from PC, Mac, Linux, iOS or Android: <https://lyrasis.zoom.us/j/9963190968>

## Attendees

*Actual attendee list will be updated after meeting.*

- [Tim Donohue](#) - LYRISIS
- [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	20mins	Updates on OpenAIREv4	Updates  New PRs:  <a href="https://github.com/DSpace/DSpace/pull/2575">https://github.com/DSpace/DSpace/pull/2575</a>  <a href="https://github.com/DSpace/DSpace/pull/2576">https://github.com/DSpace/DSpace/pull/2576</a>  Based on: <ul style="list-style-type: none"><li>• Initial presentation: <a href="https://docs.google.com/presentation/d/1G7JGRHq-qgQ44GSr3guBEUEQTb2-6JjKsQ0-cPGkBM/edit?usp=sharing">https://docs.google.com/presentation/d/1G7JGRHq-qgQ44GSr3guBEUEQTb2-6JjKsQ0-cPGkBM/edit?usp=sharing</a></li><li>• Review of document: <a href="https://docs.google.com/document/d/1mUrtxbVMhCmp18doZ2kavZAAJ2LMemmeiYPPC6O13LU/edit?usp=sharing">https://docs.google.com/document/d/1mUrtxbVMhCmp18doZ2kavZAAJ2LMemmeiYPPC6O13LU/edit?usp=sharing</a></li></ul> Mainly focus on <a href="#">Annex 6</a> and <a href="#">Annex 7</a>  Future steps: demo submission form	Jose & Paulo
3	20mins	Entities integration on edit item (Edit metadata tab)	Mockups for "Edit Metadata" tab of the Edit Item page. For Entities, this tab will need to display (read-only) virtual metadata, so that it can be seen (and reordered) alongside real metadata.	Lieven
4	if time allows	Replacing plain-text metadata with relationship	Solution for common use case problem: If you'd be submitting a new person entity, which already has 10 publications in the repository containing that person's name as plain text metadata in dc.contributor.author, duplicate metadata would be created (the old actual metadata and the new virtual metadata).	Lieven

5	15mins	Wrap-up and Assigning tasks	<ul style="list-style-type: none"> <li>Assign tasks / PRs to review (as needed)</li> <li>Next meeting is <b>Tues, Nov 19</b></li> </ul>	
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## Current Work

### Legend for status icons

★ = Highest Priority tasks (please prioritize these reviews/tasks over others). These are tasks with lots of dependencies

✖ = review done, changes were requested or bugs found.

✔ = review done, approved.

⚠ = review done, merge conflict or other minor changes requests

**1 APPROVAL** = pull request only requires a single approval to merge. This is generally reserved for PRs which are either smaller, obvious, and/or bug fixes with tests to prove they 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>
- (REST Contract)** There could be more than one Entity reference for external sources <https://github.com/DSpace/Rest7Contract/issues/90>

## PRs Needing Review

- (NEW)** (REST Contract) Adding entry HAL Link at entryValues level <https://github.com/DSpace/Rest7Contract/pull/88> (Ben Bosman - provided feedback, [Tim Donohue](#) )
- (REST Contract) Metadata suggestions in the live import <https://github.com/DSpace/Rest7Contract/pull/83> (Paulo Graça - **REREVIEW**. suggests to split in 2, [Tim Donohue](#) - **REREVIEW**)
- (NEW)** (REST) Delete item with relationships <https://github.com/DSpace/DSpace/pull/2577> (Paulo Graça, Alexander Sulfrian)
- (REST) Entities bug-fixes in place management <https://github.com/DSpace/DSpace/pull/2551> UPDATED (Chris Wilper, [Tim Donohue](#), [Paulo Graça](#)) **May just need one approval**
- (REST) Feature: external sources <https://github.com/DSpace/DSpace/pull/2560> (Paulo Graça ✔, [Tim Donohue](#) )
- (REST) Entities: configuring whether name variants should be used <https://github.com/DSpace/DSpace/pull/2561> UPDATED (Paulo Graça ✔, [Tim Donohue](#)) **QUICK REVIEW & MERGE**
- (NEW)** OpenAIRE4: OpenAIRE 4 Entities and Relationships <https://github.com/DSpace/DSpace/pull/2575> (Dimitris Pierrakos, Ben Bosman, [Tim Donohue](#))
- (NEW)** OpenAIRE4: OpenAIRE 4 required fields <https://github.com/DSpace/DSpace/pull/2576> (Dimitris Pierrakos, Ben Bosman, [Tim Donohue](#))
- (NEW)** Fix for DS-4379 (listed above) <https://github.com/DSpace/DSpace/pull/2568> (Paulo Graça, Ben Bosman)

## PRs Merged this week!

- ✔ (Angular) Item page entities changes/refactoring <https://github.com/DSpace/dspace-angular/pull/475>

## 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.*

### Legend for status icons

✔ = task considered "completed" (unless bugs or issues are later found)

⚠ = task is incomplete or has further work to be done.

❓ = task that may be delayed or postponed for after 7.0.

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\\_rl7jY/edit#heading=h.wjagg235p53r](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/edit#heading=h.wjagg235p53r)
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\\_rl7jY/edit#heading=h.df1z7jh9mcc](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.y6qarjnylexl](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.c62y8iqnvlur](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.pm34t6u1djdf](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.9aixusqzgcnp](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.9aixusqzgcnp](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.qi8bp6kog7yi](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.n8ktliibe7kj](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/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\\_rl7jY/edit#heading=h.xufwy1ep8h2](https://docs.google.com/document/d/1X0XsppZYOTptbmQ7yXwmu7FbMAfLxxOCONbw0_rl7jY/edit#heading=h.xufwy1ep8h2)
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