DSpace 7 at OR2022

The OR2022 conference is an in-person only conference taking place June 6-9, 2022 in Denver, Colorado, USA. See https://or2022.openrepositories.org/

DSpace 7 Workshops

(At this time, no in-person DSpace 7 workshops are planned for OR2022. Instead, we have tentative plans to hold a virtual DSpace 7 workshop/webinar event sometime in 2022, date to be decided.)

DSpace 7 Presentations

DSpace 7 Roadmap & Community Updates

- *Description:* This talk will give an update on DSpace 7.x releases since 7.0 / OR2021. In June 2022, the DSpace 7.3 release is scheduled to be released.
- *Presenters: Michele Mennielli*
- *Content Contributors: Tim Donohue and the DSpace 7 Working Group (2016-2023)*
- *Proposal: https://docs.google.com/document/d/1ZKiRunV64_AbqX2JUa-KQFF0HhIFeiFXVwQqE3_tqCk/edit#*
- ***Slides:*** *https://docs.google.com/presentation/d/1HSCUfDwS3USBcqRtW14uc0gRv8M1qi9C/edit*
- *Slides (in OR archive): https://zenodo.org/record/6968587*

DSpace 7 ORCID Integration

- *Description:* The relevance and benefits of the ORCID persistent identifiers in the research ecosystem are increasingly evident. Nowadays users expect a good integration between the repository platform and ORCID with a bidirectional exchange of information. Unfortunately, up to now DSpace was lacking in this regard except for a very minor and limited integration allowing the submitter to query the ORCID public registry during the deposit. On the other hand, the cousin project DSpace-CRIS has featured a full integration [3] since 2014 at the time of the ORCID v1.2 API and based on a version 4 of DSpace.

  Since the release of DSpace 7, the DSpace governance has been encouraging a progressive merge of these projects, backporting from DSpace-CRIS the most user-demanded features.

  As a result, the DSpace 7.3 release plan includes the porting of the core ORCID integration [2], enabling DSpace users to finally connect their local DSpace profiles with ORCID, showing an authenticated ORCID badge where appropriate and pushing DSpace records to their ORCID profiles.

  The presentation will show in detail the functionalities now available, the requirements to enable them in terms of ORCID membership and DSpace configuration, and the plans to bring more ORCID-related features to DSpace.
- *Presenters: **Bollini, Andrea;** Lombardi, Corrado; Digilio, Giuseppe; Giamminonni, Luca; Mornati, Susanna*
- ***Slides:*** *https://zenodo.org/record/6968560*

Bring IIIF to the DSpace community (a similar talk has been accepted for the IIIF 2022 Conference as well)

- *Description:* Starting with version 7.1, DSpace, provides basic support for IIIF out of box. This result was achieved thanks to the joint work of Willamette University and 4Science.

  Now the DSpace 7 IIIF support allows institutions to upload images in DSpace, getting automatically a IIIF manifest for the item, based on item and bitstream (images) level metadata; in this way the TOC can be easily managed. Ideally, any IIIF compliant image server can be used, although instructions and full configuration examples are provided for Cantaloupe. Experimental support for the IIIF Search API is also available and it is expected to be refined in future releases.

  Implementing IIIF is a fundamental achievement in DSpace history, since it is going to promote its use in contexts such those related to digital cultural heritage management, who were hitherto reluctant to use this Digital Asset Management System, not least because of the lack of tools for digital images management, navigation and sharing.

The presentation will introduce the available features, the architecture, the tools and strategies that can help institutions to deal with large collections using bulk imports.

- *Presenters: Andrea Bollini, 4Science; Claudio Cortese; Michael Spalti, Willamette University*
- **Slides:** *https://zenodo.org/record/6834004*

DSpace-CRIS, anticipating innovation

- *Description*: DSpace-CRIS is the first open source CRIS/RIMS platform in the world. In 2022 the project will reach is 10th anniversary since the first open-source release of the version 1.8.2 alfa took place in November 2012.

  Technically it is a fork of the DSpace platform, but the two communities have always walked together with the aim of bringing all the general purposes features of DSpace-CRIS to the main community. With version 7 and, especially, with the introduction of configurable entities in DSpace, the gap between these two "cousin" projects has been drastically reduced. However, thanks to the DSpace-CRIS community's increased experience in dealing with very complex use cases that have only recently found their way into "simple" DSpace, there are still many areas where DSpace-CRIS provides more advanced and still unique functionalities.

  The presentation will summarize unique features and characteristics of DSpace-CRIS over DSpace in 7 minutes.
- *Presenters*: **Bollini, Andrea**; Ballarini, Emanuele; **Buso, Irene**; Boychuk, Mykhaylo; Cortese, Claudio; Digilio, Giuseppe; Fazio, Riccardo; Fiorenza, Damiano; Giamminonni, Luca; Lombardi, Corrado; Maffei, Stefano; Negretti, Davide; Orlandi, Sara; Pascarelli, Luigi Andrea; Perelli, Matteo; Scancarello, Immacolata; Scognamiglio, Francesco Pio; Mornati, Susanna
- Slides: https://zenodo.org/record/6733234

DSpace 7 Posters

The EOSC DIH "ELD Advance" project

- *Description:* The poster will provide an overview of the ELD ADVANCE project supported by the European Open Science Cloud Digital Innovation HUB (EOSC DIH).

  In spring 2021, as part of the OpenAIRE ELD project 4Science released two new services: the Data Correction (based on the OpenAIRE Notification Broker), to enrich repository data by exploiting the vast amount of information made available by OpenAIRE, and the Publication Claim (based on the OpenAIRE Graph), to ensure that the repository stays up to date by automatically discovering new content produced by the institution's researchers in the OpenAIRE Graph, thus reducing the manual input from researchers.

  This new project aims to achieve full impact extending these services to plain DSpace repositories making them available out-of-box in the latest releases of DSpace as it was already done in DSpace-CRIS.

  Moreover, additional technical improvements will be introduced to streamline the adoption and set the basis for future extensions of the services.
- *Presenters:* Andrea Bollini, **Irene Buso**, Susanna Mornati, Giuseppe Digilio, Luca Giamminonni, Androniki Pavlidou
- *Poster*: https://zenodo.org/record/6733599

DSpace 7 Developer Track

Implementing the Notify protocol and standard practices in DSpace

- *Description:* We will present the Notify implementation that is currently proposed for the official adoption in DSpace. A technical introduction about the COAR Notify project [1] will be provided, showing how the use of the Linked Data Notification protocol [2], standard messages and patterns allow to integrate the repository with relevant services in a distributed, resilient and web-native architecture. The implementation has been made available as a patch for DSpace 5 and 6 in February 2022 and it is proposed for official inclusion in DSpace 7 [4, 5, 6]. This first implementation is based on the definition of a Minimum Viable Product reviewed with the COAR Notify Working Group, funded by U. Minho and developed by 4Science focused on the open peer-review scenarios. The Harvard University is currently updating their digital services and has adopted the Notify protocol to better integrate their DSpace Institution Repository with their Dataverse Data Repository. The Open Peer-review and IR – Data Repository integration scenarios will be demonstrated.
- *Presenters:* **Bollini, Andrea**; Lombardi, Corrado; Maffei, Stefano; Welling, William; Carvalho, José
- *Slides:* https://zenodo.org/record/6671781

Other DSpace related talks at OR2022

This section includes other DSpace-related talks proposed for OR2022. Please feel free to add your own talks.

Panel: The Repository Rodeo

The Repository Rodeo returns for another round of questions and answers! This popular panel, featured since Open Repositories 2016 in Dublin, offers a broad overview of the main repository platforms at Open Repositories and provides an opportunity for spirited discussion amongst panelists and attendees. Join community representatives from Dataverse, DSpace, EPrints, Fedora, Haplo, Invenio, Islandora, and Samvera as we briefly explain what each of our repositories actually does. We'll also talk about the directions of our respective technical and community developments and related to the conference theme of "Building Trust Together", we'll discuss the role of our repositories, and repository communities, in enabling trust, integration, collaboration, and sharing. This panel will be a great opportunity for newcomers to Open Repositories to get a crash course on the major repository options and meet representatives from each of their communities. After a brief presentation from each representative, we'll open the session up for questions from the audience.

Maureen Walsh[1], Justin Bradley[2], Chris Day[3], Jon Dunn[4], Gustavo Durand[5], Sara Gonzales[6], Heather Greer Klein[7], Jason Porter[8]

[1]The Ohio State University, United States of America; [2]University of Southampton, United Kingdom; [3]Discovery Garden, Canada; [4]Indiana University, United States of America; [5]Harvard University, United States of America; [6]Northwestern University, United States of America; [7]Samvera, United States of America; [8]Cayuse, United States of America

Integrating DSpace and VIVO: towards an open ecosystem

Michele Mennielli1, Dragan Ivanovic1,Michel Héon2

1: LYRASIS, United States of America; 2:University of Quebec in Montreal (UQAM