

# DSpace 7 Working Group

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## More Information / Background on DSpace 7

Background information on the DSpace 7 Release available at [DSpace 7 UI Project Plain Language Summary](#).

More information, including some FAQs available at [DSpace Release 7.0 Status](#)



## DSpace 7 Updates from OR2019

DSpace 7 had a large presence at [OR2019 in Hamburg, Germany](#), including two workshops and seven major talks.

All the materials (slides, etc) and video recordings from OR2019 are available off the wiki page [DSpace 7 at OR2019](#). Please note that workshops were not recorded, but all materials (slides / code examples) are linked off that page.

## Scope & Objectives

The goal of this working group, led by [Tim Donohue](#), is to create a new, single User Interface (UI) for DSpace that implements all functionality currently available in JSPUI and XMLUI. The UI will interact with DSpace core data through a completely new REST API to insure complete separation of the user layer from the data layer. This working group is split into two subteams: an **Angular Subteam**, led by [Art Lowel \(Atmire\)](#), which is concentrating on building a modern, responsive, client-side user interface using [Angular](#) and a **REST API Subteam**, led by [Andrea Bollini \(4Science\)](#), which is concentrating on building a new REST API based on state-of-art technologies, standards and best practices.

## Deliverables



### DSpace 7 Development Status

Latest, high level status of DSpace 7 development is captured in our [Development Planning Spreadsheet](#). This spreadsheet provides details on what features are considered completed (i.e. functional), in progress, and still remaining to do.

Implementation of the User Interface and the REST API with code delivered on GitHub along with documentation on how to use, install, and extend the interface.

User Interface: Angular 5	REST API: Java
Demo site: <a href="https://dspace7-demo.atmire.com/">https://dspace7-demo.atmire.com/</a>	Demo site: <a href="https://dspace7.4science.it/dspace-spring-rest/">https://dspace7.4science.it/dspace-spring-rest/</a>
Angular Subteam is facilitated by <a href="#">Art Lowel (Atmire)</a>	REST API Subteam is facilitated by <a href="#">Andrea Bollini (4Science)</a>
<b>Angular UI resources</b> <ul style="list-style-type: none"><li>• User Interface Mockups (<i>comments/feedback welcome</i>)<ul style="list-style-type: none"><li>• <a href="#">DSpace 7 UI Mockups</a></li></ul></li><li>• Source Code:<ul style="list-style-type: none"><li>• <a href="https://github.com/DSpace/dspace-angular">https://github.com/DSpace/dspace-angular</a></li></ul></li><li>• Tasks / Tickets (Waffleboard):<ul style="list-style-type: none"><li>• <a href="https://waffle.io/DSpace/dspace-angular">https://waffle.io/DSpace/dspace-angular</a></li></ul></li></ul>	<b>REST API resources</b> <ul style="list-style-type: none"><li>• Technology overview: After a <a href="#">technology comparison</a>, we have decided build the new REST API using Spring MVC + <a href="#">Spring HATEOAS</a>, with a primary focus on JSON <a href="#">HAL format</a>.</li><li>• REST Contract: This work-in-progress contract describes the REST endpoints and generally how the REST API should respond to requests<ul style="list-style-type: none"><li>• <a href="https://github.com/DSpace/Rest7Contract">https://github.com/DSpace/Rest7Contract</a></li><li>• Mockups of the JSON HAL output are maintained in the dspace-angular project codebase at <a href="https://github.com/DSpace/dspace-angular/tree/master/src/backend/data">https://github.com/DSpace/dspace-angular/tree/master/src/backend/data</a></li></ul></li><li>• Source Code:<ul style="list-style-type: none"><li>• <a href="https://github.com/DSpace/DSpace/tree/master/dspace-spring-rest">https://github.com/DSpace/DSpace/tree/master/dspace-spring-rest</a></li></ul></li><li>• Tasks / Tickets (JIRA):<ul style="list-style-type: none"><li>• We've begun creating tasks under the "REST API v7" component in JIRA<ul style="list-style-type: none"><li>• These tasks are also available via a Kanban board (requires being logged in to JIRA): <a href="https://jira.duraspace.org/secure/RapidBoard.jspa?rapidView=33&amp;projectKey=DS&amp;quickFilter=70">https://jira.duraspace.org/secure/RapidBoard.jspa?rapidView=33&amp;projectKey=DS&amp;quickFilter=70</a></li></ul></li></ul></li></ul>

## Training Resources

- REST API Resources
  - OR2018 DSpace REST API Workshop
    - Workshop Slides (including exercises): <https://tinyurl.com/or2018-dspace-rest>
    - Exercises & online tutorial (work in progress): <https://dSPACE-labs.github.io/DSpace7RestTutorial/>
- Angular UI Resources
  - [DSpace 7 - Angular UI Development](#) : Getting started with DSpace 7 UI (aka [dSPACE-angular](#)) and how to contribute
  - [DSpace 7 UI Technology Stack](#) : Overview of technologies we are using, and links to third party resources
  - [OR2018 DSpace Angular Workshop](#): Angular UI Training Workshop resources from the OR2018 conference in Bozeman, Montana
  - [OR2017 DSpace Angular Workshop](#) : Angular UI Training Workshop resources (slides and hands-on activities) from the OR2017 conference in Brisbane, Australia.
    - The beginning of this workshop was also presented as a tutorial at the 2017 North American User Group meeting (at Georgetown University). Video of that tutorial is available at <http://youtube.com/watch?v=c4AJ8HeZzcw>
- Other DSpace 7 Presentations
  - June 2018: At OR2018, a DSpace 7 Update talk and demo was presented
    - DSpace 7 Update Slides: <https://tinyurl.com/or2018-dspace7> (Includes updates, What is coming in DSpace 7, estimated roadmap, and screenshots of the live demo)
    - DSpace 7 Recorded Demo: <https://youtu.be/yKnos2jTdSQ> (Includes a preview of REST API, Browse, Search, and a detailed demo of the enhanced Submission & Workflow functionality. This is an extended version of the live demo given at OR2018 in conjunction with the "DSpace 7 Update Slides")
  - June 2017: At OR2017 and the 2017 North American User Group meeting, updates on DSpace 7 efforts were presented. The slides from those talks are available:
    - North American UG (August) update: <https://goo.gl/cwKVkj>
    - OR2017 update (July): <https://www.slideshare.net/tdonohue/on-the-road-to-dspace-7-angular-ui-rest>
  - February 28, 2017: We held a DuraSpace Hot Topics webinar to discuss the latest activities of this Working Group, with details from both the Angular UI and REST API subteams. The slides and video of that [Hot Topics webinar](#) are available at <http://duraspace.org/node/3103>

## Contributing

- **Code Contributions:** Generally, our working group follows the documented DSpace [Code Contribution Guidelines](#) and [Code Style Guide](#).
  - We also have our own [DSpace 7 Working Group Processes document](#) to provide additional details about our meeting structure, code contribution & review processes, etc.
- Join one of our weekly meetings (see below). Meetings tend to be hands-on, but we welcome newcomers.
- **Developers are welcome to jump in and claim tickets for either [Angular UI](#) or [REST API](#).** We maintain a list of easier tickets specifically for new developers to learn about the contribution process (If none of these tickets look interesting, or the list is getting small, please get in touch and we'll find an easy task for you to start with)
  - [REST API tickets labeled "easy"](#)
  - [Angular UI tickets labeled "difficulty: low"](#)
- **DSpace 7 Community Sprints** : We run regular, public development sprints with anyone who wants to contribute. No prior experience with DSpace 7 is necessary, and it's a great opportunity to learn DSpace 7 in a "hands on", collaborative environment (Sprint Coaches are available for questions).
- Get in touch with the team via [Slack](#). We'd be glad to talk about other ways to contribute

## Meeting Times & Communication Channels

- **Meetings:** We meet every week on Thurs at 15:00UTC (10am EST), using the [DSpace Zoom Meeting Room](#) (using [Slack](#) as a backchannel). Anyone is welcome to join these meetings.
  - Upcoming schedule can be found on the [DSpace Public Events Calendar \(iCal version\)](#)
  - Meetings typically last one hour. We post a weekly reminder on our Slack channels (see below), along with a brief agenda.
  - Meeting notes are all available below.
  - **Meeting Room:** <https://lyrasis.zoom.us/my/dspace> (For telephone options, see [DSpace Meeting Room](#))
- **Slack:** Between meetings, we encourage usage of Slack to keep in touch and ask questions. If you have not yet joined the [DSpace Slack](#), you may [request an invite](#). All are welcome on Slack.
  - In Slack, we primarily use two channels:
    - [#angular-ui](#) : For DSpace 7 (Angular) UI updates, discussions and/or questions.
    - [#rest-api](#) : For DSpace 7 REST API updates, discussions and/or questions.
- **Email:** We use standard DSpace lists to communicate updates, meetings, etc. We are primarily using [dSPACE-devel](#) (our developers mailing list) and Slack for these communications. Once we get further along, regular updates will also be announced on [dSPACE-community](#) (and other lists).

## Next Meeting

**Next meeting will be on Thursday, September 19 from 14:00-15:00 UTC** (10am-11am EDT) in <https://lyrasis.zoom.us/my/dspace> (*Meeting ID: 502 527 3040*). Additional connection options (phone, etc) detailed at [DSpace Meeting Room](#).

- Agenda : [2019-09-19 DSpace 7 Working Group Meeting](#)

## Meeting Notes

- [2019-09-12 DSpace 7 Working Group Meeting](#)
- [2019-09-05 DSpace 7 Working Group Meeting](#)
- [2019-08-29 DSpace 7 Working Group Meeting](#)
- [2019-08-22 DSpace 7 Working Group Meeting](#)
- [2019-08-15 DSpace 7 Working Group Meeting](#)

- [2019-08-08 DSpace 7 Working Group Meeting](#)
- [2019-08-01 DSpace 7 Working Group Meeting](#)
- [2019-07-25 DSpace 7 Working Group Meeting](#)
- [2019-07-18 DSpace 7 Working Group Meeting](#)
- [2019-07-11 DSpace 7 Working Group Meeting](#)
- No meeting on Thursday, July 4 because of USA holiday
- [2019-06-27 DSpace 7 Working Group Meeting](#)
- [2019-06-20 DSpace 7 Working Group Meeting](#)
- No meeting on Thursday, June 13 because of the OR2019 conference
- June 6, 2019
- May 30, 2019
- May 23, 2019
- May 16, 2019
- May 9, 2019
- May 2, 2019 (Meeting cancelled, but part of team met informally)
- April 25, 2019
- April 18, 2019
- April 11, 2019
- April 4, 2019
- March 28, 2019
- March 21, 2019
- March 14, 2019
- March 7, 2019
- February 28, 2019
- February 21, 2019
- February 14, 2019
- February 7, 2019
- January 31, 2019
- January 24, 2019
- January 17, 2019
- January 10, 2019
- December 19, 2018
- December 13, 2018
- December 5, 2018
- November 29, 2018
- November 15, 2018
- November 8, 2018
- October 31, 2018 (rescheduled from Nov 1)
- October 25, 2018
- October 18, 2018 (Planning Mtg)
- [DSpace 7 Community Sprint 3 \(Oct 1-12, 2018\)](#)
- September 27, 2018
- September 20, 2018
- September 13, 2018
- September 6, 2018
- August 30, 2018
- August 23, 2018
- August 16, 2018
- August 9, 2018
- August 2, 2018
- July 19, 2018
- [DSpace 7 Community Sprint 2 \(July 9-20, 2018\)](#)
- July 5, 2018
- June 28, 2018
- June 21, 2018
- No meetings on June 7 or 14 cause of OR2018 & team travel conflicts
- May 31, 2018
- May 24, 2018
- [DSpace 7 Community Sprint 1 \(May 7-18, 2018\)](#)
- May 3, 2018
- April 26, 2018
- April 19, 2018
- April 12, 2018
- April 5, 2018
- March 29, 2019
- March 22, 2018
- March 15, 2018
- March 8, 2018
- March 1, 2018
- February 22, 2018
- February 15, 2018
- February 8, 2018
- February 1, 2018
- January 25, 2018
- January 18, 2018
- January 11, 2018
- December 14, 2017
- December 7, 2017
- November 30, 2017

- November 21, 2017
- November 9, 2017
- November 2, 2017
- October 26, 2017
- October 19, 2017
- October 12, 2017
- October 5, 2017
- September 28, 2017
- September 21, 2017
- September 14, 2017
- September 7, 2017
- August 31, 2017
- August 28, 2017 (rescheduled from Aug 24)
- August 17, 2017
- August 10, 2017
- August 3, 2017
- July 27, 2017
- July 20, 2017
- July 13, 2017
- July 6, 2017
- June 22, 2017
- June 15, 2017
- June 8, 2017
- June 1, 2017
- May 25, 2017
- May 18, 2017
- May 11, 2017
- May 4, 2017
- April 27, 2017
- April 20, 2017
- April 13, 2017
- April 6, 2017
- March 30, 2017
- March 23, 2017
- March 16, 2017
- March 9, 2017
- March 2, 2017
- February 23, 2017
- February 16, 2017
- February 9, 2017
- January 26th, 2017
- January 12th, 2017
- December 1st, 2016
- November 15th, 2016