

DCAT Meeting September 2016

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Date & Time

- September 13th **15:00** UTC/GMT - **11:00** EST

Dial-in

We will use the international conference call dial-in. Please follow directions below.

- U.S.A/Canada toll free: 866-740-1260, participant code: 2257295
- International toll free: <http://www.readytalk.com/intl>
 - Use the above link and input 2257295 and the country you are calling from to get your country's toll-free dial in #
 - Once on the call, enter participant code 2257295

Agenda

DCAT Disussion: DSpace standard Data model and DSpace-CRIS: exploring convergence

The goal of this month's call is to explore functional needs that may require modification of the DSpace data model.

[Andrea Bollini \(4Science\)](#) will give a short overview of how the DSpace data model was extended in DSpace CRIS and which functional needs these extensions serve.

A summary of the current DSpace datamodel:

[blocked URL](#)

We aim to discuss if the current DSpace data model already offers sufficient support to express:

- People associated with publications, their role on the publication and their affiliation
- Projects and funders
- Departments and organizational units within an institution.
- ...

Preparing for the call

Bring your questions/comments you would like to discuss to the call, or add them to the comments of this meeting page.

If you can join the call, or are willing to comment on the topics submitted via the meeting page, please add your name, institution, and repository URL to the Call Attendees section below.

You can find an useful start to the discussion the following slides: <http://www.slideshare.net/AndreaBollini2/dspace-standard-data-model-and-dspacecris>

Meeting notes

Currently one of the main points of discussion is whether DSpace should obtain a more elaborate, and flexible, datamodel. The discussion balances on a continuum. On one hand, the datamodel currently used is very simple with a flat hierarchy. But this is also the datamodel's limitation. Certain relations can not be captured in this datamodel. So on the other side of the continuum is the datamodel's flexibility. The extend to which it can be adapted and relationships can be defined.

During this month's meeting, DSpace committer and architect of the DSpace CRIS System, Andrea Bollini explained how they altered DSpace's datamodel.

DSpace's default datamodel is more or less compliant with the Portland common data model. It has a flat, fixed structure. This can not deal with issues like disambiguations.

In DSpace CRIS, the datamodel is built out of several entities which are not entirely predefined. Although there are some already existing entities, administrators can create additional entities. The datamodel also allows to define relationships between entities. This means the model is not flat, but instead hierarchical.

DSpace CRIS is also interested in following the community and keep porting DSpace CRIS to newer DSpace versions. Even Though this implies some challenges. For example, there are more and more voices coming up to develop DSpace on top of it's own REST API. This means that both DSpace and DSpace CRIS' REST API's should be aligned.

In DSpace 6 there is a large difference in authorization due to the underlying changes (use of hibernate). This will also be the case when the new Angular 2 UI is implemented. This should however not be a problem for DSpace CRIS, as it is already using hibernate.

Call Attendees

- [Maureen Walsh](#) - The Ohio State University
- [Bram Luyten \(Atmire\)](#)
- [Ignace Deroost](#) - Atmire
- [Andrea Bollini \(4Science\)](#)
- [Mariya Maistrovskaya](#) - University of Torono
- [Jose Carvalho](#) - University of Minho
- [Filipe Furtado](#) - University of Minho
- [Margaret Vail](#) - Dalhousie University
- [Sarah Potvin](#) - Texas A&M University
- [Felicity Dykas](#) - University of Missouri–Columbia
- [Terrence W Brady](#) - Georgetown University
- [Mike Marttila](#) - Georgetown University
- [Iryna Kuchma](#) - EIFL
- [David Corbly](#) - University of Oklahoma
- [Susan Borda](#) - Montana State University
- [Ivan Masár](#)
- [Luiz Claudio Franca dos Santos](#)