Data Model Working Group

Laurent Michel, Jesus Salgado -- Locktown #5 - Nov 2022

Agenda

DM 1: Data Models

Time: Apr 27 15:00 **[session #10]**

Speaker	Title	Time	Material
Paul Harrison	DM Tooling	12 + 3	
Mathieu Servillat	Last Step Provenance	12 + 3	
Paul Harrison	Observation Proposal DM	12 + 3	
Francois Bonnarel	Instrument Field of View DM and mapping in VOT	12 + 3	

Moderator: Laurent, Notetaker: Jesus

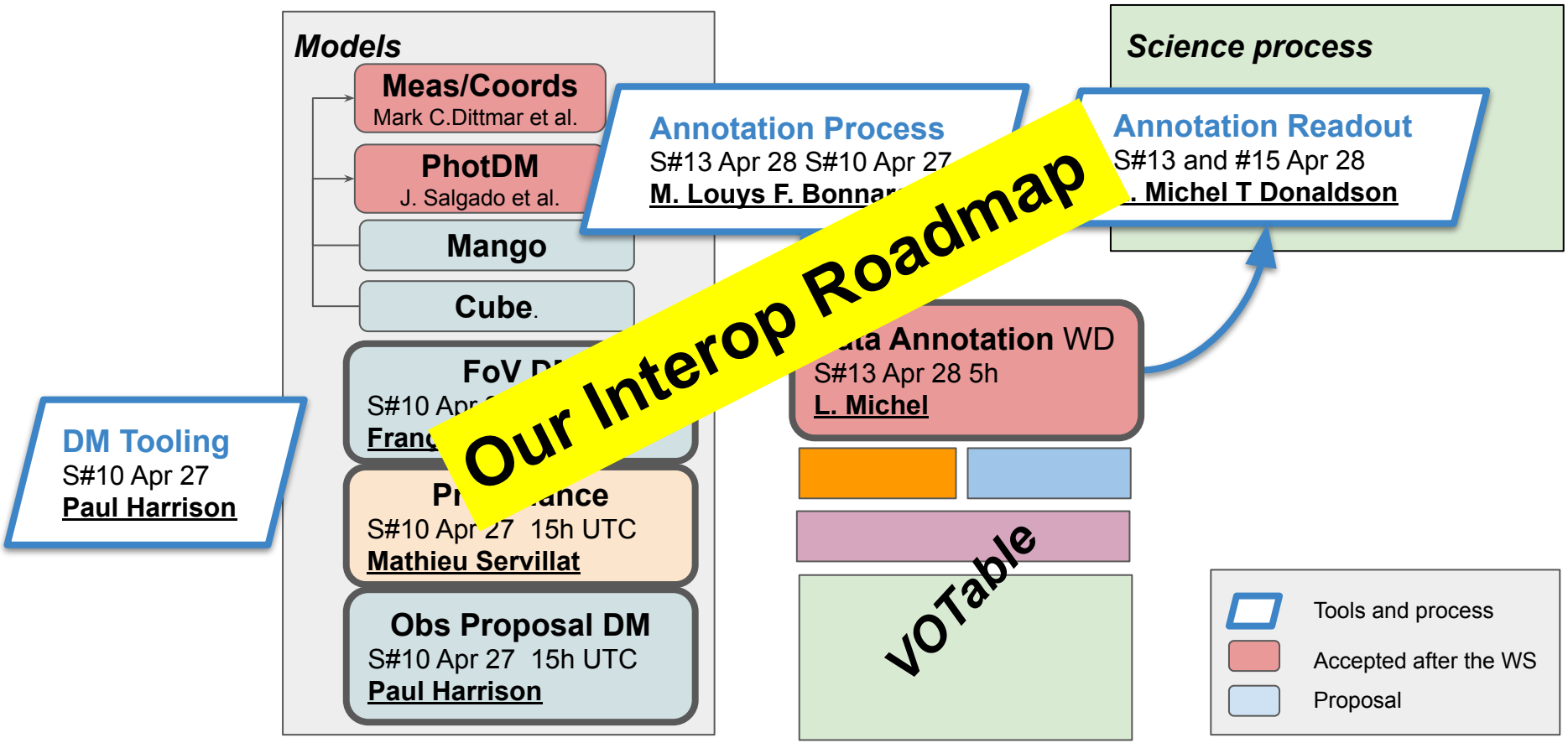
notes: etherpad notes (link to live notes, **should expire around end of April 2023)**

DM 2 : VOTable Annotation

Time: Apr 28 05:00 **[session #13]**

Speaker	Title	Time	Material
Laurent Michel	Annotation Syntax	12+ 3	
Mireille Louys	Annotating TAP Responses on the Fly	12 + 3	
Laurent Michel	Implementation Status, issues and Prospects		

Opening Landscape last Tuesday



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P. Harrison DM#1 (twice)

DM Tooling and `ObsProposalDM`

- Powerful tool managing all facets of the modeling work
- Modeling, diagram, documentation, Git, code generation…
- Demo focused on the draft of the model for observation proposals

M. Servillat DM #1

Last-Step `Provenance`

- Evolution of the Provenance DM which aims at stacking the description of the activities that lead to a final entity
- Quite more easier to store in a table

F. Bonnarel DM #1

FoV DM

- Model describing instrument field of Views
- Will replace an ad-hoc serialization in Aladin
- Can be used in other VO contexts such as telescop descriptions

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L. Michel DM#2

Mapping syntax overview

- XML syntax designed to provide VOTable data with a DM view
- Works with any model upon any data arrangement

M. Louys DM #2

Annotating TAP responses on the fly

- Demonstration of a TAP service able to annotate on the fly query responses.
- Process based on JSON profiles telling how to assemble Mango components

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F. Bonnarel DM #1

FoV DM

- Java client able to parse the mapping of FoV instances read from a VOTable and to feed Aladin with them
- Proposal for standardisation of the underlying DM

L. Michel DM#2

Python API proposal

- Prototype of a Python package able to build different serializations of model data views
- Proposal for an integration in AstroPy and PyVO
- Call for API requirements
- Tools discussed in the hackathon