

Data Model Working Group

Chair: Mark Cresitello-Dittmar – CfA

Vice-Chair: Mathieu Servillat – ObsParis

With the help of Pat Dowler



Data Model session @ Görlitz meeting

- Saturday 15 Nov. 14h00 – 15h30 CET
- Topics:
 - **VODML-1.1** (Paul Harrison)  **VO-DML 1.1 WD**
Check PR on <https://github.com/ivoa/vo-dml/milestone/1>
 - **CAOM-2.5** (Pat Dowler)
The Common Archive Observation Model
 - **ObsCore** extensions modeling and TAP serialization:
application to High Energy data (Mireille Louys)
 - **ObsCore** and Extensions (Group)



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The Common Archive Observation Model
 - **ObsCore** extensions modeling and TAP serialization:
application to High Energy data (Mireille Louys)  **Place of ResponseFunctions, and AdvancedDataProducts in ObsCore ?**
Solution proposed with separated tables and vocabularies
 - **ObsCore** and Extensions (Group) ...



ObsCore and Extensions

- **Logistic questions to discuss**
 - Evolution of Notes as content gets distributed
- **Relation of ObsCore to Extensions in document(s)**
 - 1. ObsCore should just reference the Notes ?
 - 2. REC for domain specific details from each Note ?
 - 3. ObsCore to hold sections with the details from each Note ?
- **Separation of concerns**
 - Do we separate ObsCore DM and TAP in distinct documents ?
- **Content distribution**
 - Main ObsCore table vs. Extension tables ? Resolve recommendations from Notes

→ Address in focused running meetings in collaboration with WG/IG

Other Sessions: work closely related to Data Model efforts

- **Semantics**

- interesting work on evolution of handling and maintaining vocabularies
- specific notice of work related to:
 - ObsFacilities, Instruments, ProcessingLevel,
 - UCD1+ as vocabulary

- **Applications**

- ongoing work with MIVOT annotation handling in PyVO library

- **DAL**

- ConeSearch-1.1: update with UCD1+, DALI, etc.
 - + add DataOrigin – representing basic Provenance-like metadata

Next DM Roadmap

- **ObsCore Extension Documents**
 - Final editorial pass and bring PEN documents to TCG as ready
- **ObsCore-1.2**
 - Prepare repository for new work; begin pushing PRs for discussion
- **CAOM-2.5**
 - Close-out open issues and documentation updates
 - Submit for community review in preparation for RFC
- **VODML-1.1**
 - Review 1.1 PRs; prioritize support for CAOM and ObsCore-Ext work
 - Cut v1.1 and bring forward for RFC