

Data Model Working Group

Closing Remarks

IVOA Interop

Jun 05, 2025

College Park, MD

Session 1

Model status

- MANGO-1.0
 - Presented state of the model with an emphasis on updates made in response to review feedback
 - Including implementation coverage of model content
 - Maybe a couple minor loose ends to look at (e.g. calib_level vocabulary), but should be seeing RFC period starting shortly!
- CAOM-2.5
 - Presented the state of the model, significant changes, and modifications plugging into the general IVOA model ecosystem.
 - Had meetings within the DM to work out the integration plan and relation to existing models
 - Highlighted some areas where special local models may be needed or possibly add too the base model.
 - Implementation proceeding, factoring in the ObsCore Radio extension content.. to facilitate that effort
 - Work to continue of the next semester.

Session 2

ObsCore Extensions

- The session was a good start, but there is more to do in defining the roadmap forward with the extension proposals
 - Clarified that this project is not
 - “Extend ObsCore for other domains”
 - But rather
 - “Enable the discovery and access to Radio, Time, and High Energy domain data”
 - Which involves several groups working together (DM, DAL, Registry, Semantics)

Session 2

ObsCore Extensions

- Interest Group inputs
 - Domain Notes are in really good shape
 - Radio implementations are pretty current, Time Domain implementations may need more work to bring current.
 - But even so, this puts the project ahead of the game in that regard!
 - High Energy is catching up nicely, and has hosted coordination meetings to help reconcile the properties that are common across the various proposals.

Session 2

ObsCore Extensions - roadmap

- Division of Labor
 - DM
 - Define change list for ObsCore v1.2 from proposed additions, note any conflicts that need to be worked out
 - Recommend plan for the division of standards for extended model properties:
 - ObsCore v1.2 can proceed ahead, with the common properties
 - Individual extension models(?) can move forward as ready.
 - With a lien on solidifying the discovery (REG) and query (DAL) workflows and folding them into implementations
 - DAL
 - Provided a good summary of current support for certain features
 - May need to see v1.2 list before being able to assess impact on DAL standards
 - To review Notes for other DAL-related items
 - Registry
 - Has a good plan for Radio extensions with example implementations !
 - Evaluate any issues expanding this plan to include the other extensions
 - Assess question from the session regarding data provider preference for implementing a single table, albeit sparse
 - Semantics
 - Review Notes for vocabulary work (new or expanded), and setup dialog with relevant groups to work these

Session 3:

Data models: usage and expectations

- Explored the Data Model to <other group> interfaces
 - Highlighting areas where the current practice is inconsistent and/or under defined.
 - Highlighting holes in the workflows which should be re-evaluated to improve the process of exercising science use cases and provide the community with valuable tools for adopting the capabilities being created.
- Fantastic participation in discussions on these topics and the different perspectives regarding our overall goals, and if we are working effectively to achieve them.
- There is a lot to digest here, and will be working toward putting together some proposals to discuss within the TCG

Contact

- Email List: dm@ivoa.net
- IVOA Slack Channel: #data-models
- Git Repositories: <https://github.com/ivoa-std/<model>>