

DM Session: Introduction

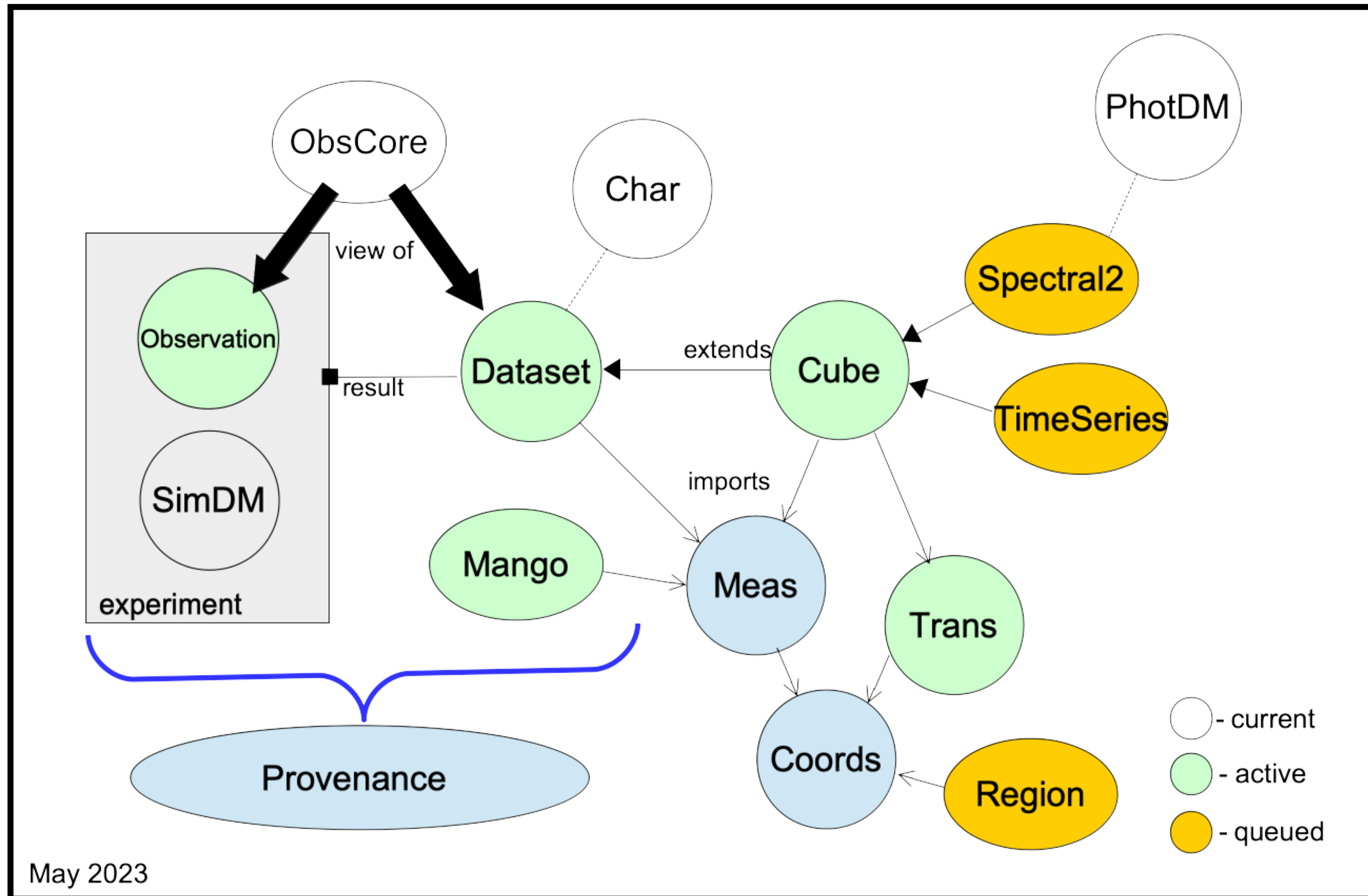
Mark Cresitello-Dittmar

Nov. 11, 2023

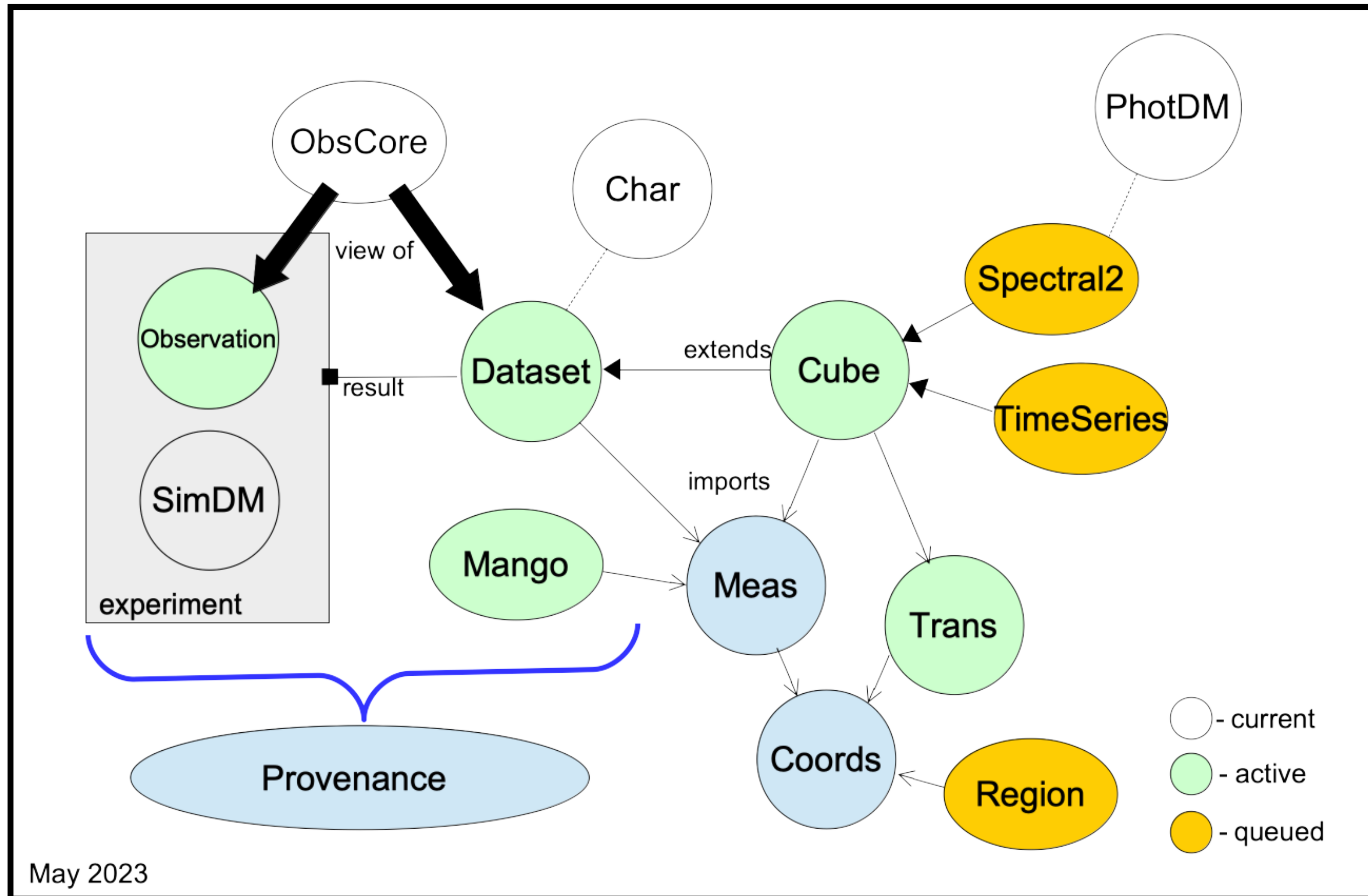
Thoughts on Datamodel ecosystem

- Inspired by several discussions and talks at the Bologna interop and since.
 - S. Hughes talk including “Artifacts generated from the Model”
 - Discussions with Applications regarding using MIVOT annotated VOTables
 - Discussions here regarding the tight bind IVOA has to VOTable and interest in alternate serializations (JSON).
 - General confusion about when certain models would apply

Model Ecosystem diagram



Model Ecosystem diagram



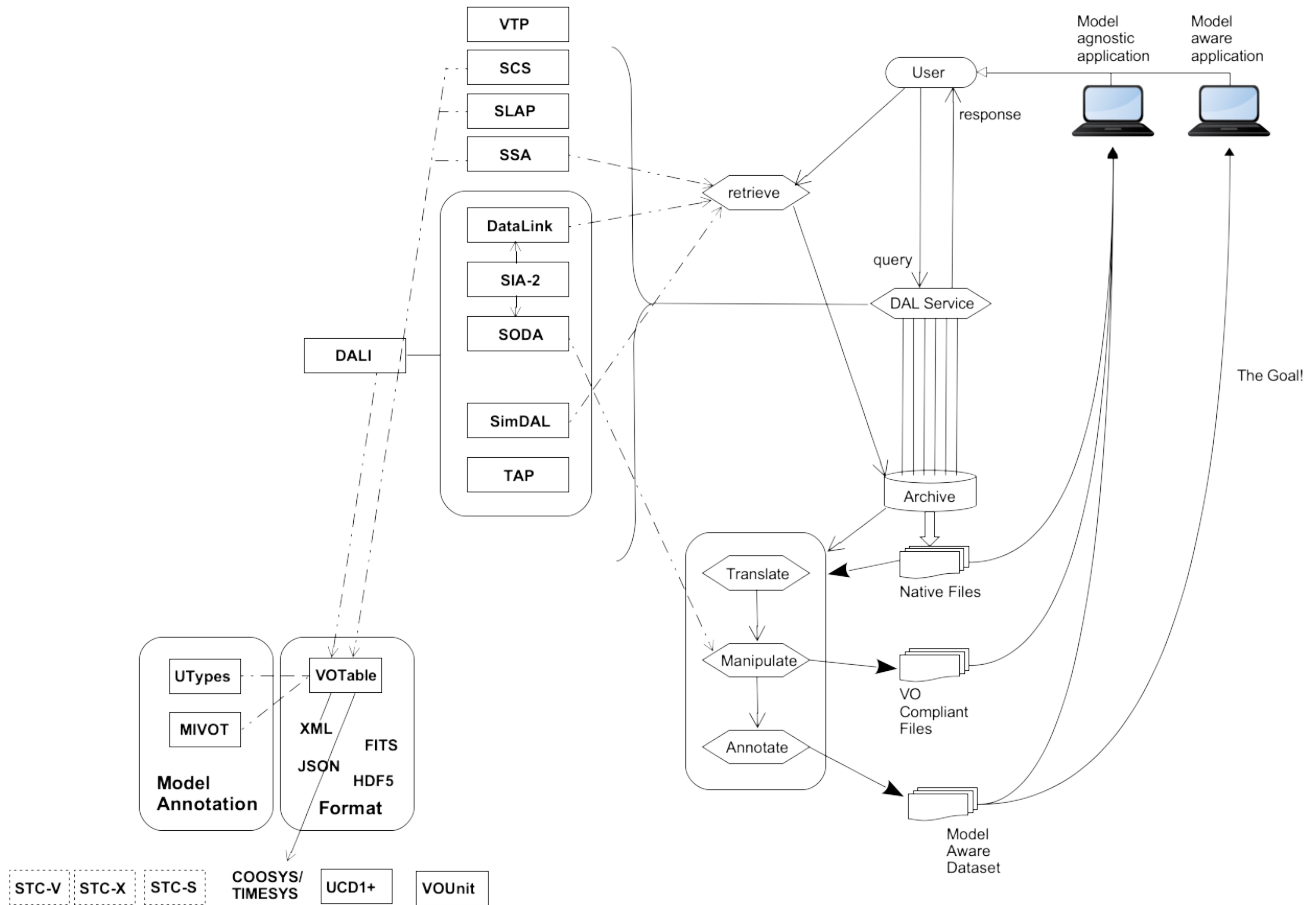
Missing
Context

'Typical' IVOA Workflow

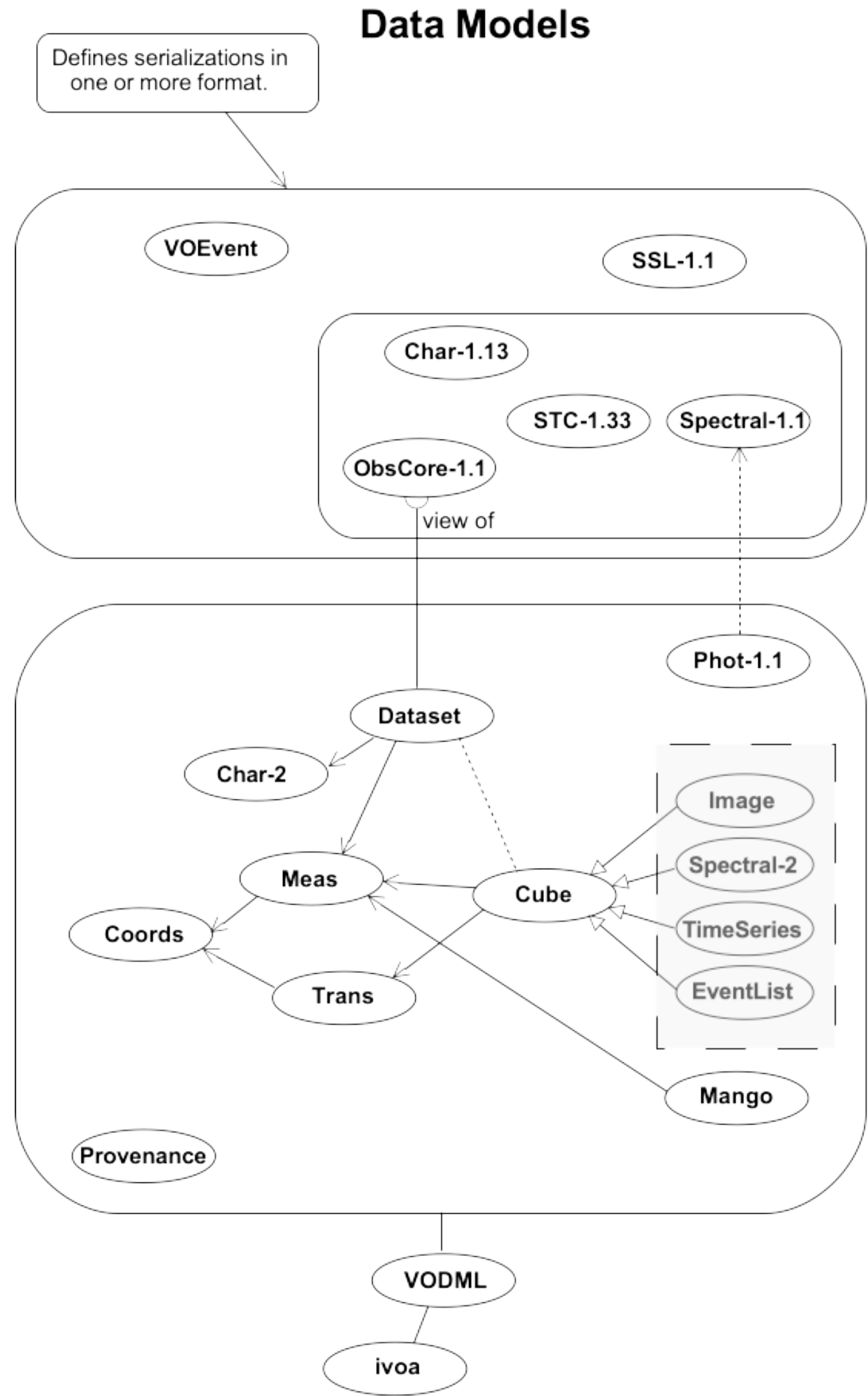
Use models to define query and query response.

Access Protocols

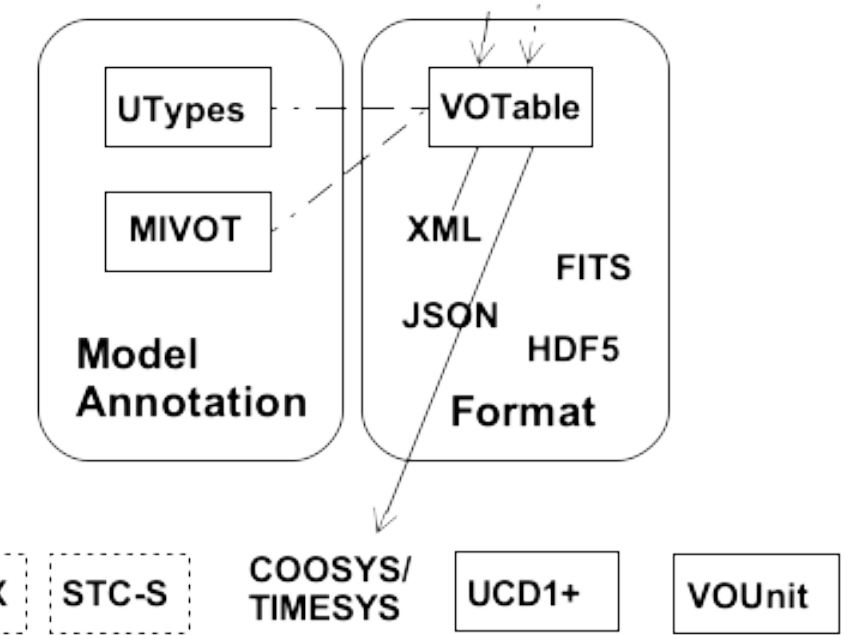
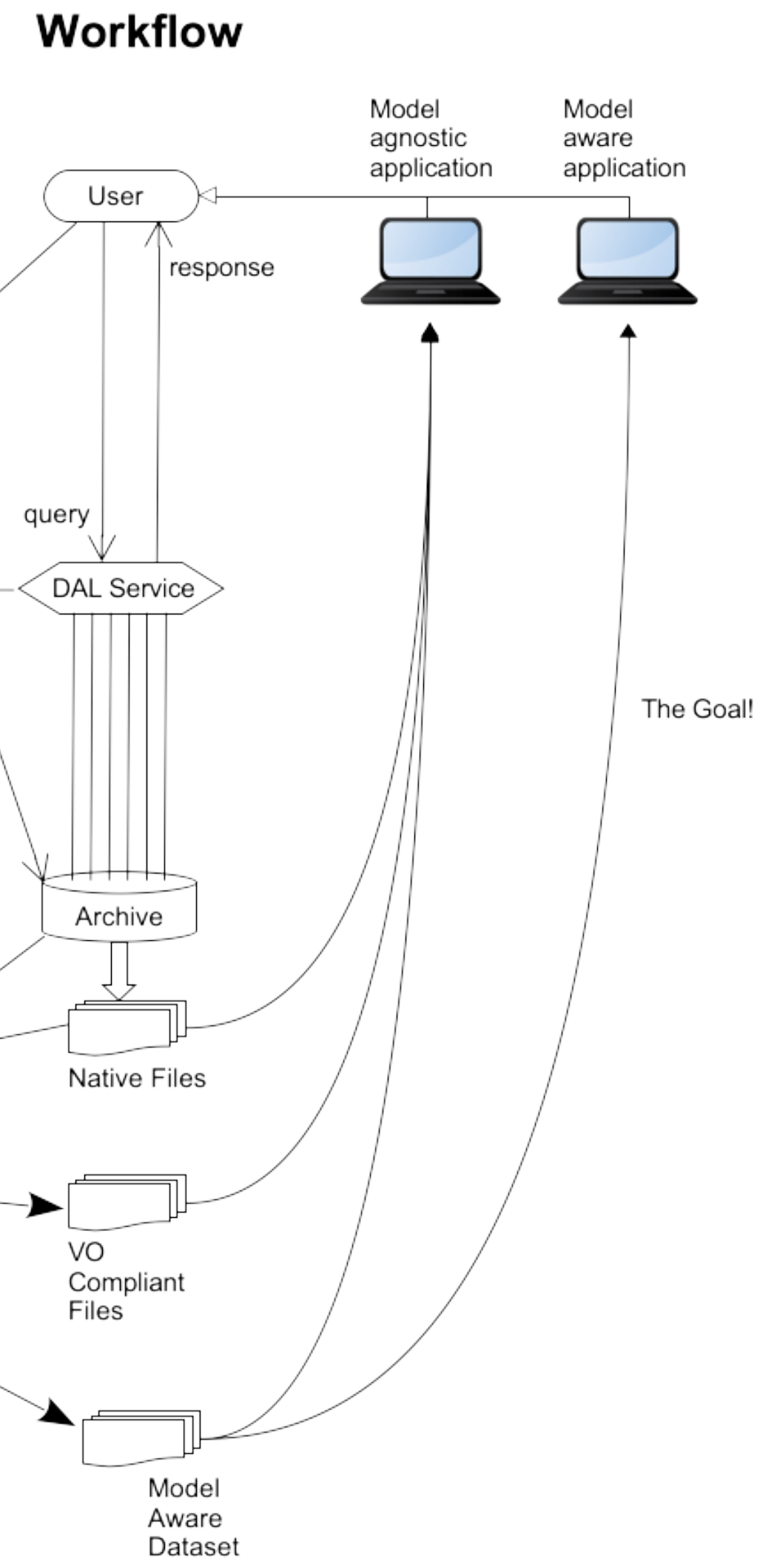
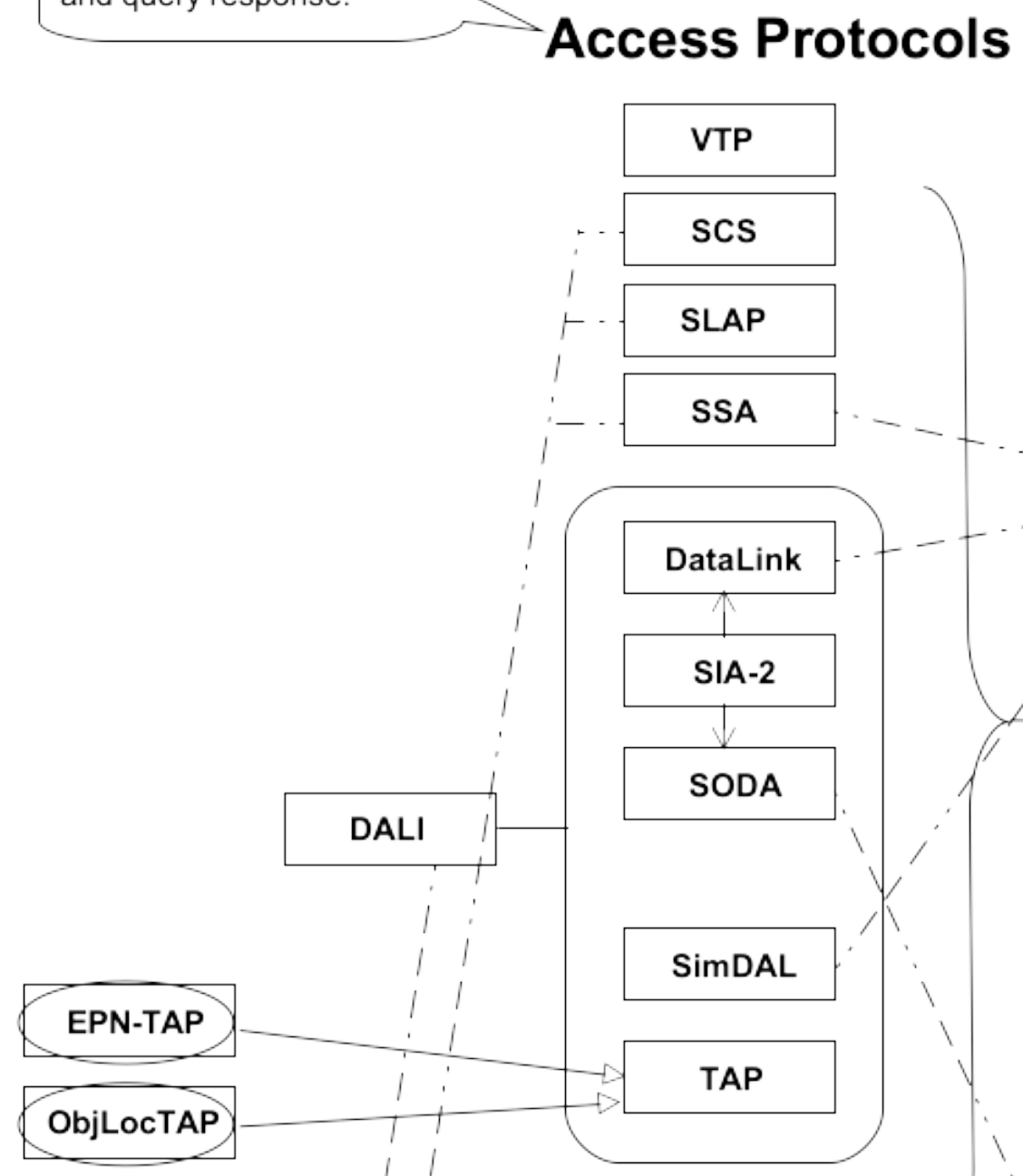
Workflow



Add Models

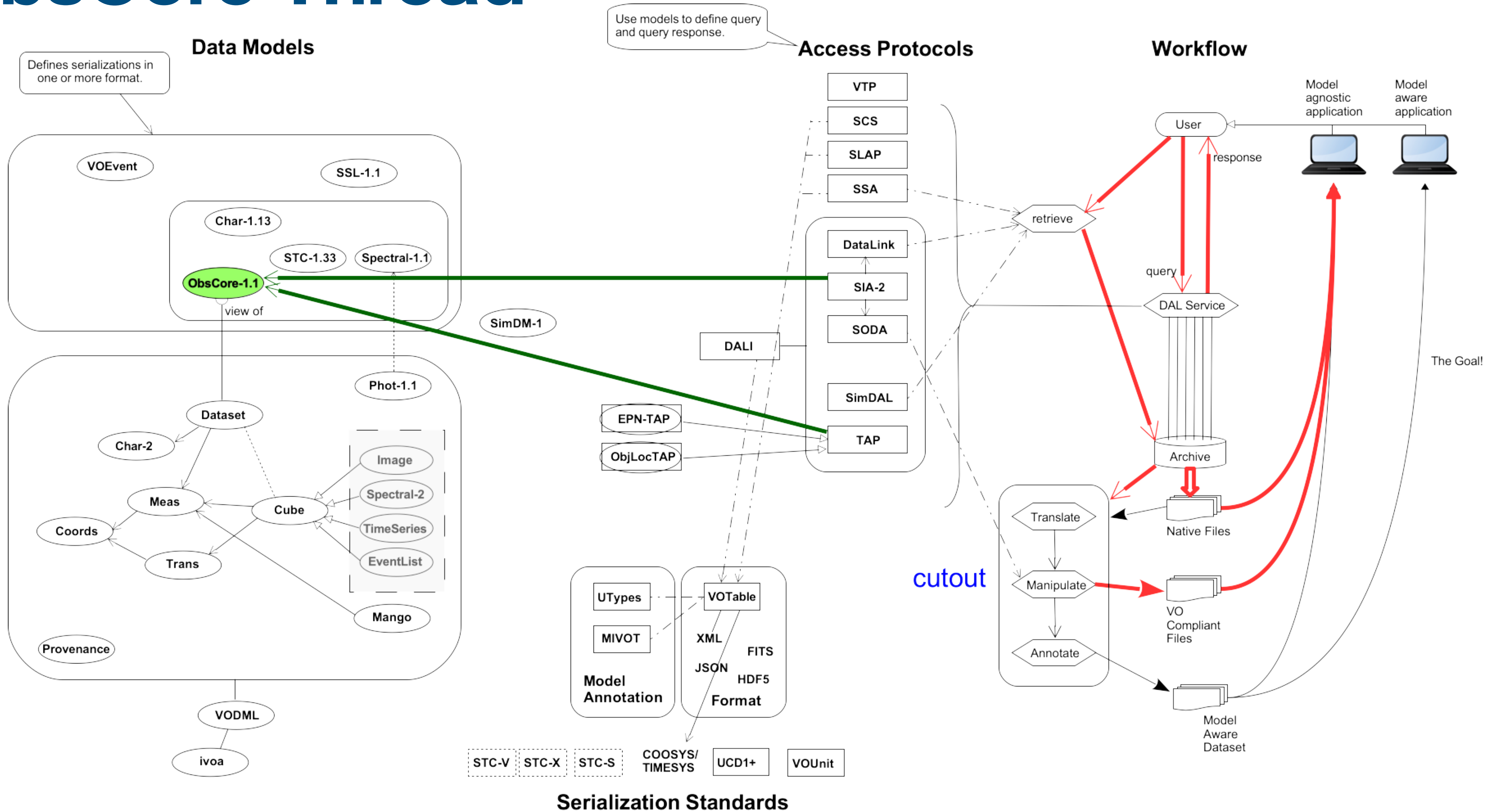


Use models to define query and query response.

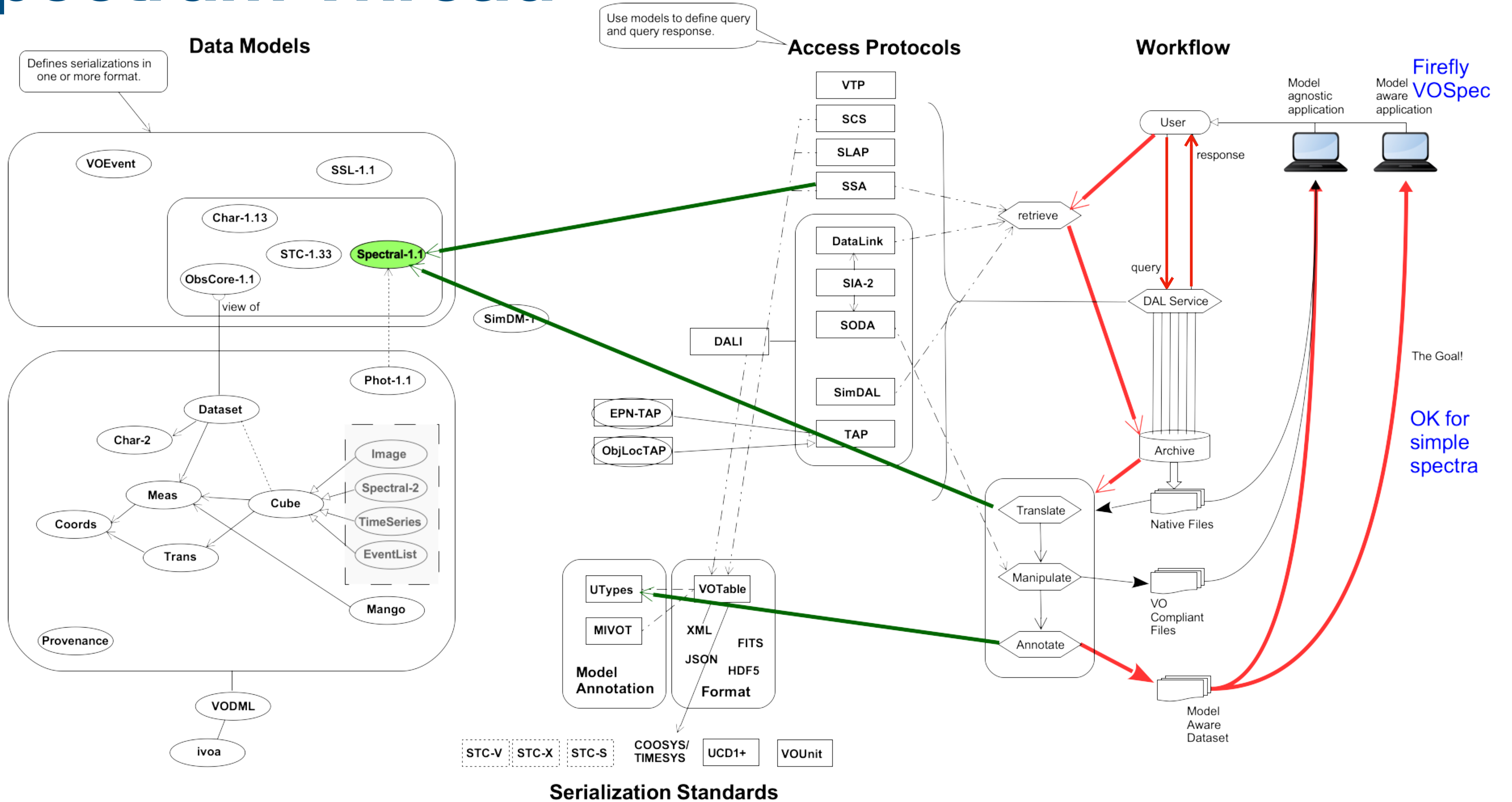


The Goal!

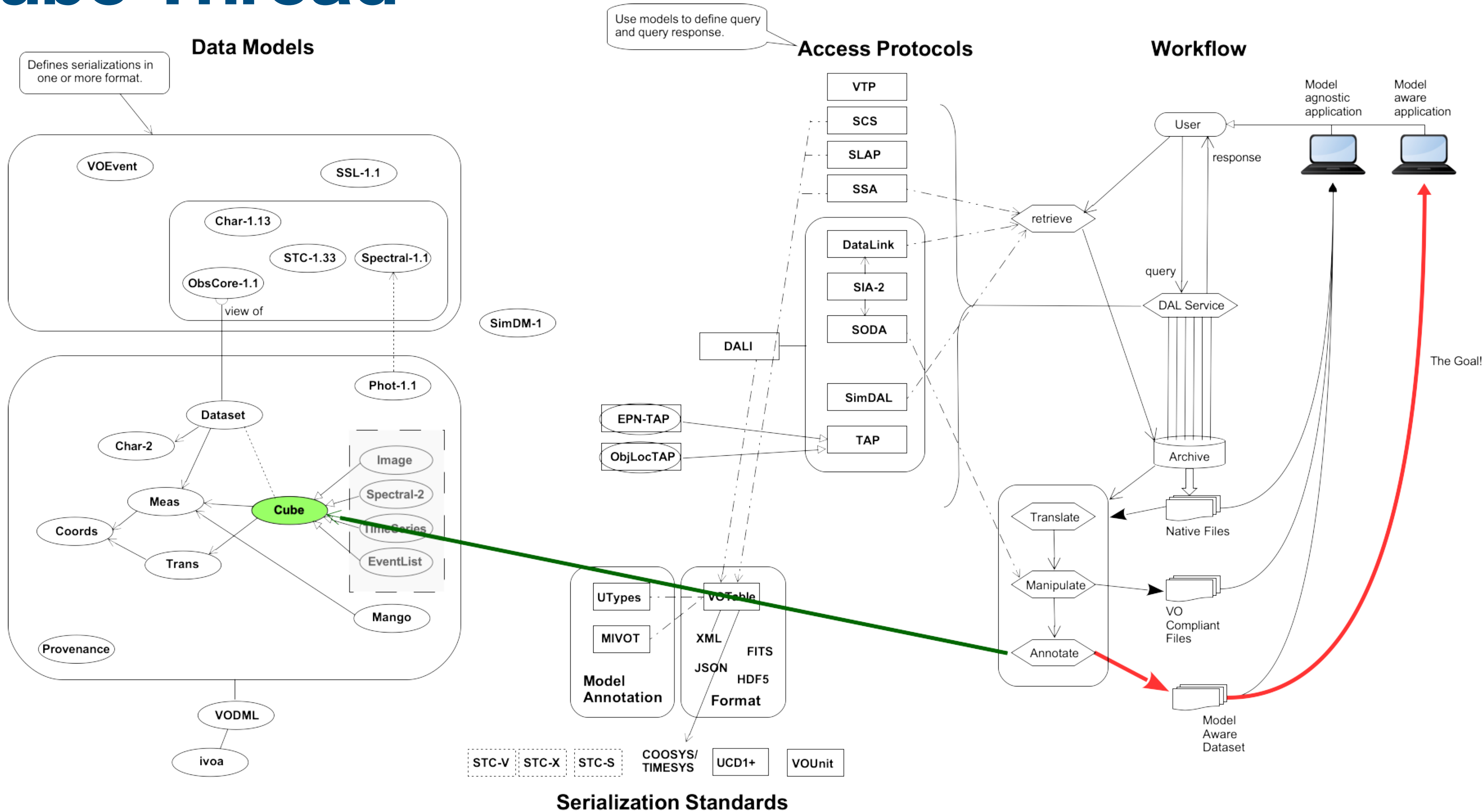
ObsCore Thread



Spectrum Thread

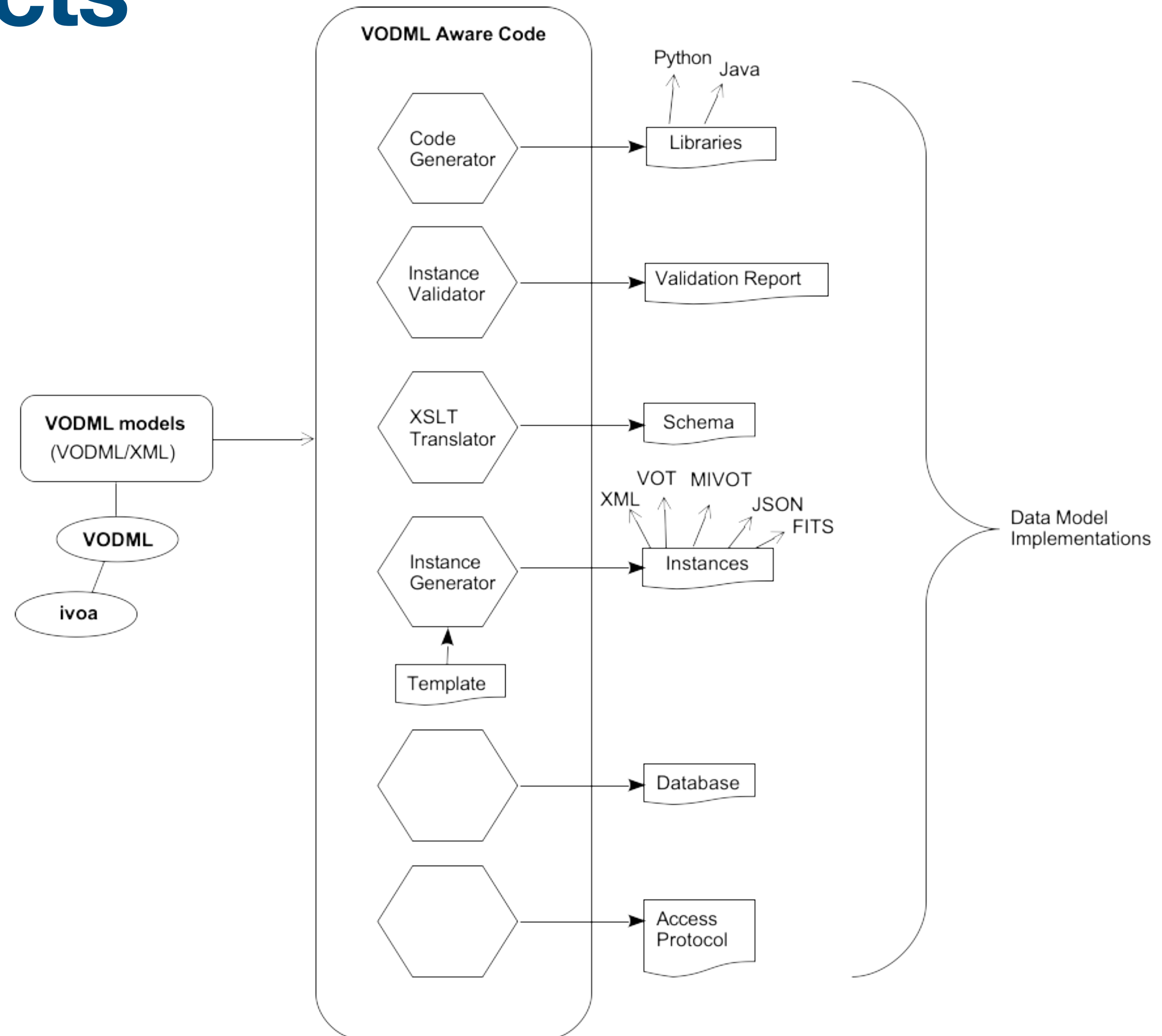


Cube Thread

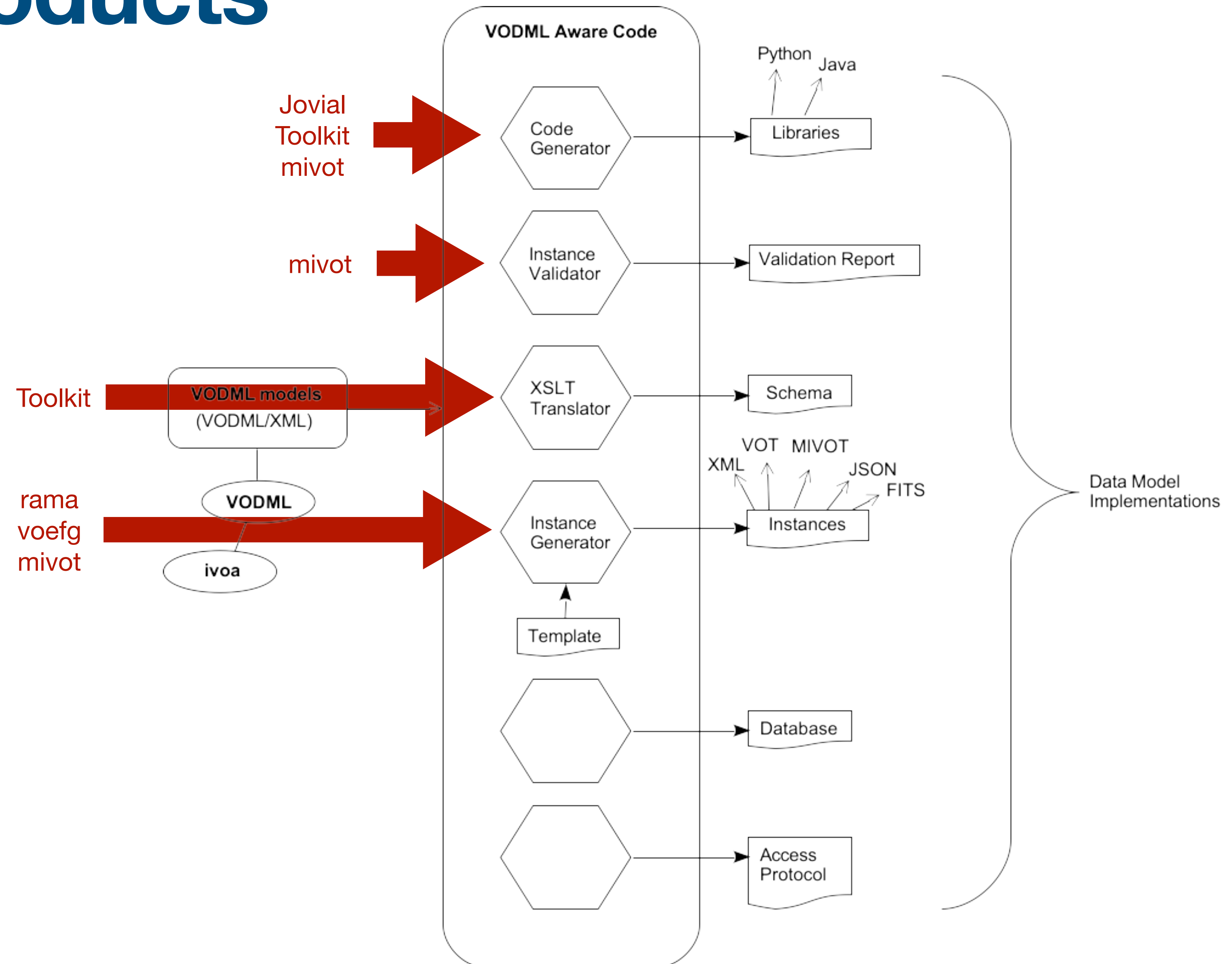


VO-DML Products

Software which understands the VO-DML metamodel can interpret any compliant model and generate products.



VO-DML Products



Cube Thread

