

Plenary conclusions

Data Model WG Summary

Friday May 29

Datamodels building blocs : Utypes

- Utypes draft issued

<http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/Utypes>

Waiting for comments and contribution

- Automatic generation

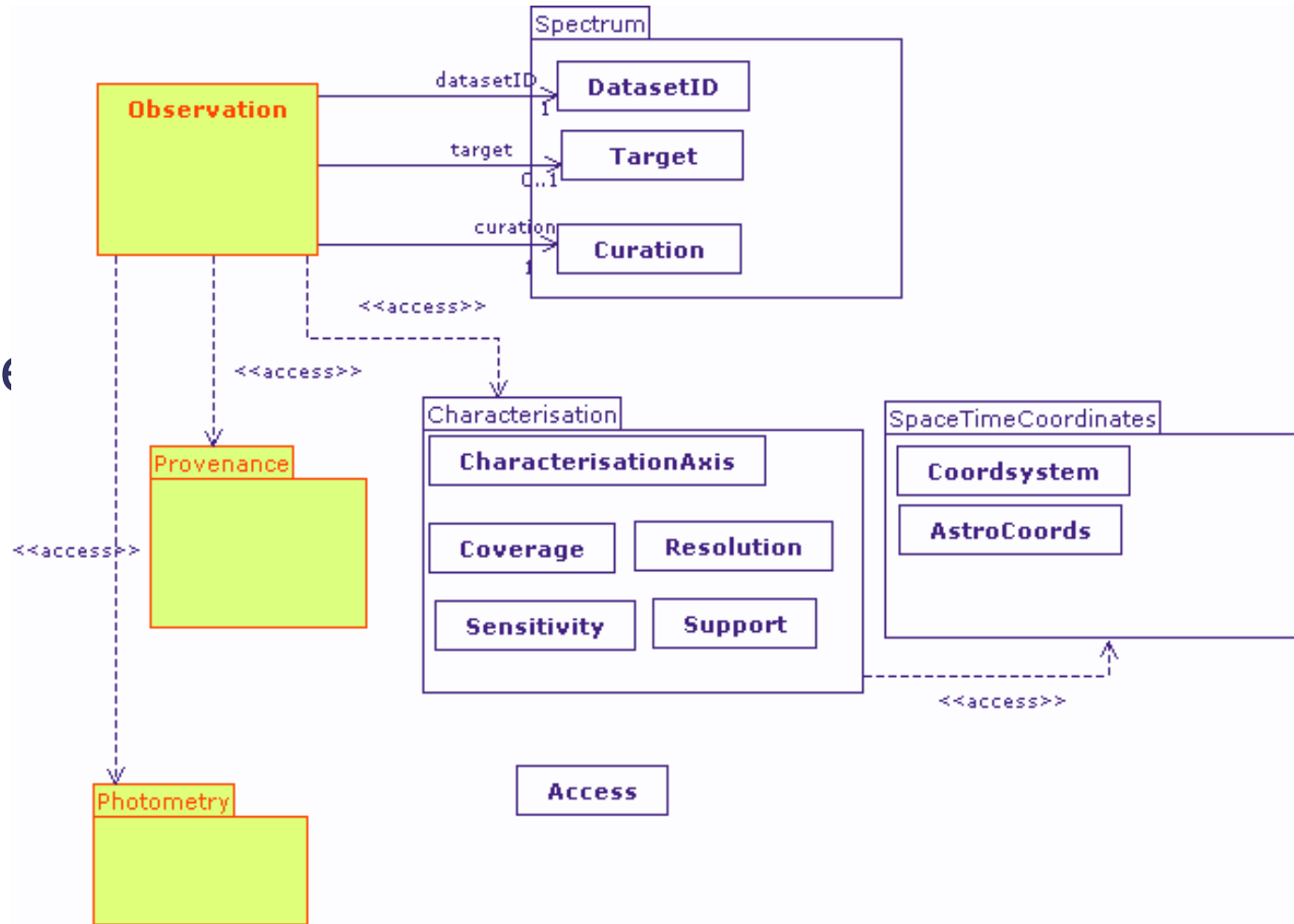
- Process to be described in a short Note (Theory IG)
- to be tested for the next DM effort: Observation Data Model

Datamodels building blocs : Units

- Discussions on
 - units expression : syntax and transcription
 - Quantity conversions
- Agreed:
 - Follow **FITS paper** for the set of supported units
 - Include specific units and exclude ambiguous notations
 - Prepare a IVOA BNF grammar for parsing units strings
- Discussed currently on the list :
 - **Restrict the units** allowed set for **protocols** in order to avoid conversions and enhance interoperability
 - Include this set in the draft or not
 - Need examples of scenarios for units conversions in the transport layer: archive, protocol, application, user

Observation DM

- Re-use Char DM v2.0
- Sketch out Provenance with archive scientist contribution (Focus Team)
- Prototype for a simple model (90/10 rule)
 - UML
 - XML
 - Utypes



For next interop

Simple Spectral Line DM

- WD in the WG group
- REC to start next week
- Aligned with SLAP protocol

New blocs : Photometry

Need for a core model

- A simple model: filter-magnitude description profile
 - Transmission curve
 - ZeroPoint
 - Reference object

Science use-cases

Photometrists participation

Complex data in Observation

- Polarisation Axis prototyped
 - Draft by Anita Richards → use-case summary
- Radio data to consider
- Prototypes for complex observations
discussion going on with CADC/ Hubble Data
- Time series : Use-cases by VOEvent ??

Road map

- Simple Spectral Line DM REC to start 01June 09
- Utypes definition and syntax WD 31 June 09
- Units WD 31 June 09
- Observation/ Provenance DM WD 0.1 Oct 09
XML+Utype liste
- Photometry DM WD 0.1 Oct 09