Plenary conclusions

Data Model WG

Friday May 23th a-m

Datamodels building blocs

- **Utypes** exist and are useful for protocols using parameters and data base mappings
- **Units**
  - Existing definitions are summarized on the DM wiki pages
  - Transformation applications/ libraries to be listed in a short IVOA Note
- **UFI** requirements to be discussed in the next months
  - Need precise use-cases where situations are ambiguous

Observation DM

- Strong requirements expressed
  - all types of observations
- A place holder to combine different aspects
  - Data set ID   →
  - Curation   →   Spectrum DM
  - Characterisation
  - Provenance
  - Photometry
  - Packaging: data format, etc.?
  - Other?

Provenance

- Uses-cases
  - Model observation process
  - Links to ancestors products and interpretation data
  - Polarimetry and interferometry data

- Characterisation advanced level
- Transmission curve
- Parameter variability:
  - Resolution, sensitivity, etc…

Points to solve

- Footprint / Support
    - Foot Print concept   Spatial REGION

    Where you query on the sky: 'query support'
        Abstract mathematical 2D region

                                                            STC:Region

    - Support concept   REGION but on all axes

    Where the instrument has taken the data 'instrumental support'

        Characterisation:Spatial.Coverage.Support
                                        STC:AstroCoordArea

    Where the data quality can be specified 'data set support'

                        Cha:Spatial.Coverage.Support

Road map

- By next Interop in Baltimore
- Utypes definition and syntax   Note
- Units   Note
- Observation DM .   WD 0.1
- Provenance   working draft 0.1
  - Collecting use-cases
  - Explicit polarization & interferometry data
- Photometry DM   working draft 0.1
- Atomic and Molecular Line DM WD 0.7

 Circulated in the WG for elaboration with DAL → SLAP protocol for Rec end 2008

 New version and implementations for beginning of 2009