Plenary conclusions

Data Model WG
Status report

Friday May 21

IVOA Interop Victoria May 2010, Data Models , Mireille Louys

Observation Core Components DM

- **Agreed** on a list of items to be exposed in a TAP/ SCHEMA for OBS/TAP in one table called Ivoa.ObsCore
  - Shortname
  - Utypes
  - Units
  - Type
  - Description
- WD currently written ;
  - DM description
  - Detailed description of the OBS/TAP implementation
- Draft to be delivered by end of June to DM and DAL WG
- Implementation started on 3 sites CADC, ESO, XMM catalog service /Strasbourg

Finding

Getting

IVOA Interop Victoria May 2010, Data Models , Mireille Louys
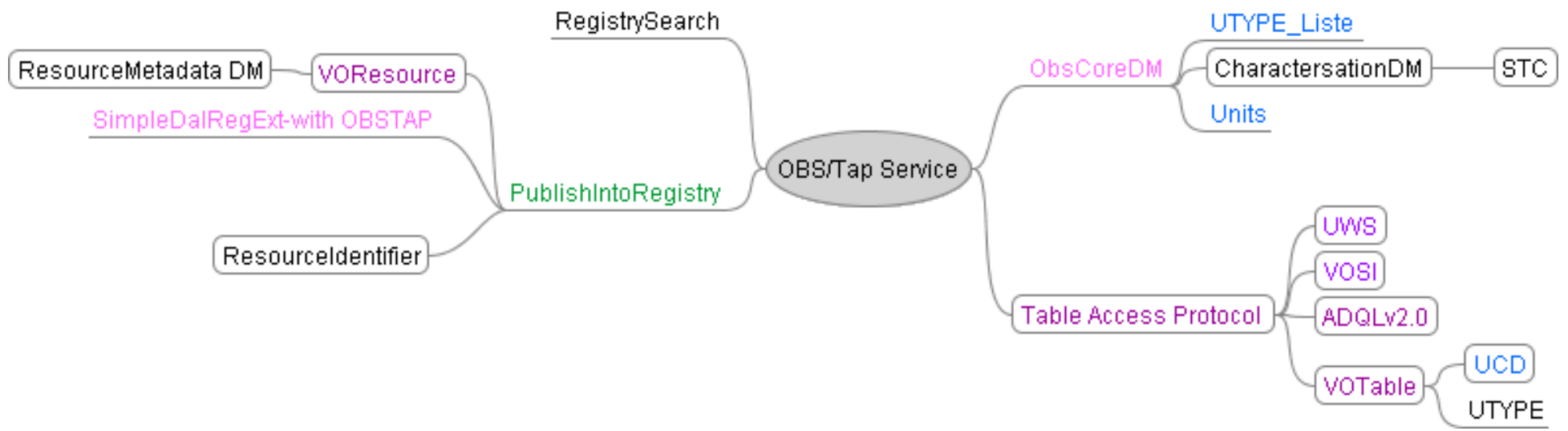
Datamodels building blocs : Utypes, Units and STC

Utypes

- Reuse classes and define full Utypes string in a single model → adopted
- STC Utypes produced by M.Demleitner
- Action : contribute to the update of the note "Referencing STC in VOTable"

Units

- A data model published in a last draft in May 2009
- Recognised as a Cross WG Topic
- Will include participants from other WG

Characterisation Data Model v2.0 Provenance

Char DM 2.0

Use-cases for Data Analysis: shown 2 examples

Variation of resolution along a physical axis

- New place holder for a map or a function
- Access to external data

Produce a WD

Produce a new XML schema and Utype list

Provenance

First try on the description of instrumental Provenance

Identified a use-case for DM/GWS/Theory → wiki page

a coarse Provenance view for data collections stored in a VOSpace repository

Modeling Photometry

Photometry metadata

- Use-cases well identified
- UML Model currently updated
- IVOA working draft (ESAC)

to be delivered 1st week of June for DM Group and Science committee

Implementations development track

- SDM to be extended to support SED representation
- Extension of SSAP
- SSAP services interfacing VOSpec
- SSAP Support for a subset of most used Vizier catalogs

SIMulation DM

- Hand-over from the Theory Interest group
- Discussion/Revision of the whole model during splinter sessions.
- UML model ready
- Utype list with full documentation available in hyper text Document
- WD currently updated according to the Interop discussion
- 2 reference implementations + their submodel description
    - 1 implementation with SimDB
    - 2 Simulation services at VO-PARIS

IVOA draft + documentation planned for end of June 2010