# Observation Data model Core Components and TAP implementation

IVOA interoperability Meeting, Napoli, May 2010,
M.Louys for the Data Model WG

Documents

▸ PR document available   RFC period 03/05 → 03/06

▸ Discussion pages used during the Working Draft review

http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/ObsTAPdraftDiscussion

Packaging of the data in a distributed file

  ▸ *access_format   Access.Format*

    ▸ a general topic also touch by other groups: VOEvent, GWS:VOSpace , etc.., Applications

  ▸ Classification of data product type and subtype

    ▸ coarse to specific (collection/ domain) classification

▸ Registering an ObsTAP service

  ▸ Help required to complete section 5 of the document

  ▸ Check with currently defined registry extensions

▸
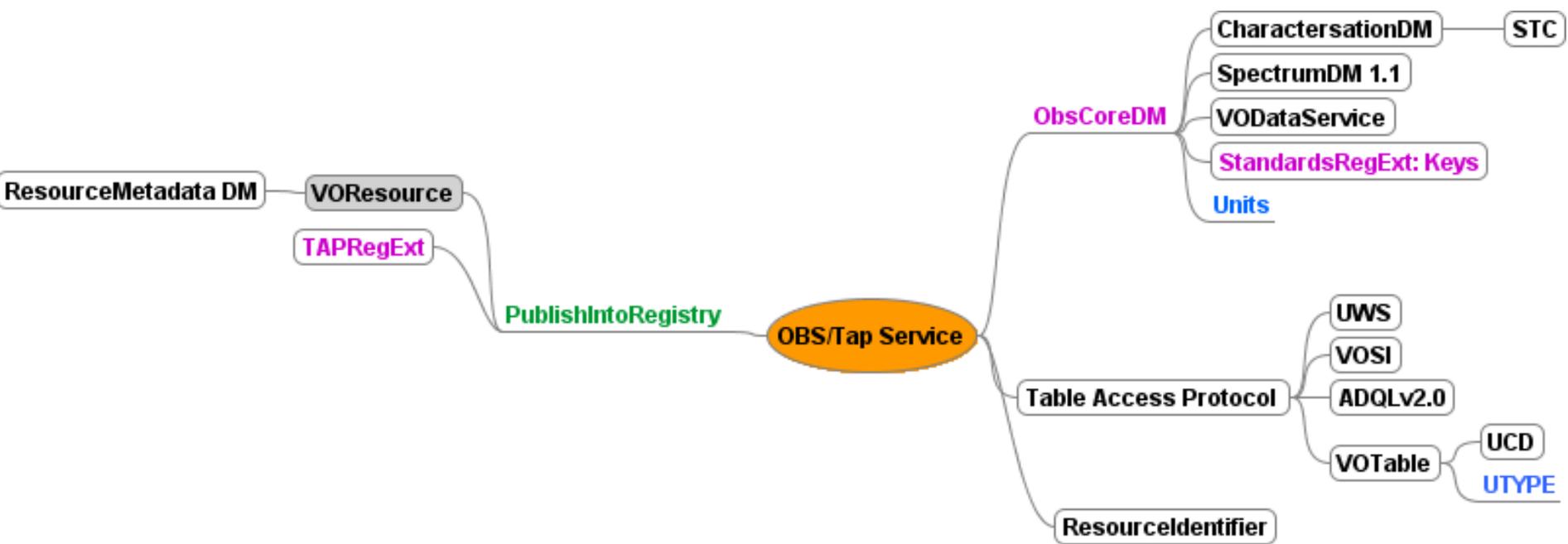
Data Model

- V 1.0 offers a stable list of mandatory data model fields
- Needs/wishes appear to support specific types of data sets or properties
    - Polarimetry
        - → included into v1.0 in a simple way
    - Velocity
        - → next version →update of Characterisation v2.0
    - Complex data sets
        - → discussion about data linking
- Draw the line between generic (all archives query) and specific (dedicated collections or observation domain)
  Clearer specification to come for ALMA data for instance

- Think of completing the main Observation Data Model

TAP Implementation

▸ Test results at CADC with queries based on the requirements of the data model (use-cases) and response explained

   http://www.cadc.hia.nrc.gc.ca/cvo/ObsCore

▸ Previous implementations with mandatory fields

   ▸ Obs. Strasbourg : SAADA data model with TAP service

   ▸ ESO, ST-ECF : first try

   ▸ GAVO, Heidelberg, M. Demleitner ?

▸ To do : Iterate on an IVOA Note describing these reference implementations