

IVOA Data Model

Closing @Hawaii, 2013
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2 DM Sessions + 1 DAL/DM

- Two sessions scheduled for this interop:
 - Ongoing Data Models (Thursday)
 - Utypes in Action / VO-DML (Saturday)
- Joint DAL/DM session on Cubes Access

Data models on going

- CTA (Cherenkov Telescopes Array) Provenance DM (Mireille Louys)
 - Help a project from the definition phase to have a VO complaint archive and produce data and infrastructure ready for interoperability.
 - A new way to support the community from IVOA
- Proposal of extension of SpectrumDM for spectropolarimetry (F.Bonnarel)
- Char/TAP (F. Bonnarel)

Data models on going

- **Planetary Science VO DM (P. LeSidaner)**
 - IVOA experience can be used and shared for other close communities (e.g. Planetary and Solar)
 - We have also to understand the peculiarities and be able to adapt to different types of data
- **ImageDM draft (D. Tody)**
 - Big advance in the draft since last interop
 - Discussions on the draft content, in particular, WCS or class inheritance
 - In line with access to cubes task
 - ImageDM is a need from IVOA. More people is needed to collaborate on this standard

DAL/DM joint session

- Cubes access prototypes including SIAv2 implementations
- Discussions on different ways to define interface (ObsCore extended, SIAv2)
- ImageDM should be defined as an ObsCore extension (like SpectralDM should be) in order to prevent rewrite common functionalities in different DMs

Utypes in Action / VO-DML

- Presentation of prototypes developed since last interop (O. Laurino)
 - VO-DML offers a technically improved use and definition of DMs in IVOA
 - It defines an important change on IVOA DMs
- Discussions on several issues and not clear final consensus

Proposal

- Divide and create two different drafts:
 - VO-DML: A Data Modeling Language for the VO
 - Mapping of Complex Data Models
- Authors/collaborators are required; different points of view represented

PhotDM 1.0

- Document to be reviewed by Exec for possible approval

