

Science Priorities, VO Take-Up and the IVOA

IVOA Take-Up Committee

12 November 2009

Activities to Date

- IVOA Take-Up Committee
 - Formed in Response to Growing Need for Take-Up
 - Creation of Science Session at This Interop
- Prioritisation Path Committee
 - Subcommittee of Take-Up
 - Establish Path for Setting Take-Up Priorities based upon Science Needs

Prioritisation Committee Working Guidelines

- Obtain Sense of Needs from Science Community e.g., Use Cases
- Establish Scientific Themes as Part of Interop Meetings
- Form Structures within IVOA to Maintain Awareness of Evolving Scientific Needs
- Establish Procedures for Transforming Science Needs into VO Tools and Services

Prioritisation Committee

- Draft Report Submitted to Exec at This Interop
 - Continuation of Science Sessions at Interop
 - Continuation of Various Outreach Activities
 - Establish Standing Entity to Ensure Continuity of Science Driven Activities
 - Modify Some IVOA Procedures to Accommodate Take-up Activities
- Exec Response: See Fabio's Talk

Cte Activities This Week: Some Preliminary Observations

- Derived from WG Sessions
- Coverage Incomplete
- Amalgamation of Committee Member Views
- Preliminary Observations

ObsDM/TAP

- Session Friday Morning
- Data Content Types
 - Image, Spectra Datacubes, etc
- Implementation Issues
 - Methods of Data Access
- Additional Parameters Beyond Mandatory Queries
- Objective: Finalize “Good Enough” Version (80% Level) by Friday

DM

- Photometry
 - Two Groups and Approaches
 - How and When to Converge
 - Next Interop Too Late – Rec by June 10
- Utypes
 - Currently Multiple Efforts
 - Need for Coordination and Integration?
 - Need for a Single Document

DAL

- Footprint

- Relation of Past Work to Present?
- Complex and Ambitious Project
- Split into Level 1 and Level 2?

- SIA2

- Important (mandatory) Parameter List Has Some Missing Elements – e.g., Exposure Time

DAL

- Second Versions of "S" Services SXXX2
 - Have Not Yet Seen Impact of Earlier Versions
 - May Be More Prudent to Wait Until More Is Known
- TAP
 - Very Good Use of Feedback in Modifying the Package
- Datacube Support (e.g., ALMA) – Time Critical

Apps

- Some Services Becoming Like a Portal
 - Is This Confusing to New User?
 - Or is it Positive Evolution?
- SAMP
 - Lots of Applications
 - Not All May Match Science Priorities – “We did this to see if it was possible”
 - Need to Know if There is a Scientific Need for Further Development of SAMP

Theory

- Immediately Related to Science Needs
- SimDB
 - Very Complete
 - Very Complex – Too Generic?
 - Nearly Ready for DM Group
 - Needs Reference Implementations
- S3
 - Much More Straightforward, but Limited
- Role for Both

Conclusions

- IVOA Is Responding to Need for Greater Awareness of Take-Up Issues
- Scientific Priorities Can Be Integrated into Development Activities
- Maintenance of Good Communication Throughout This Process is Essential