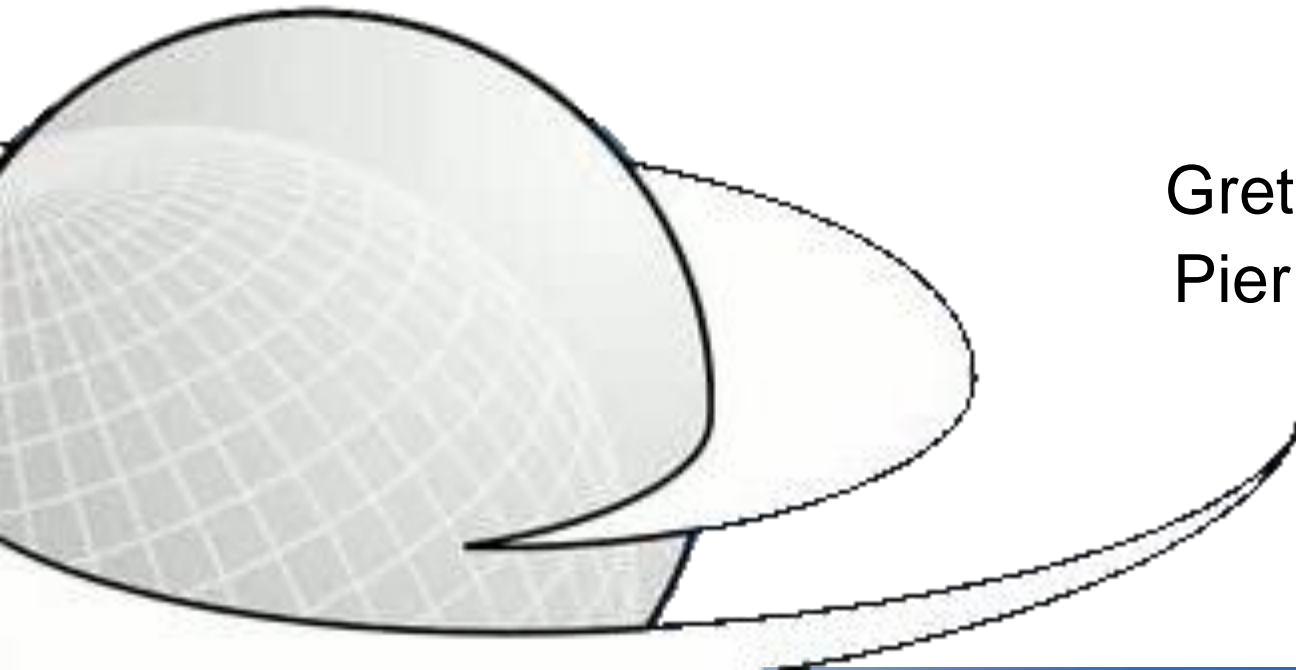# *Registry Working Group Closing Plenary*

Gretchen Greene

Pierre LeSidaner

Session 1: Apps IV/ Registry I Coverage Discovery

- ⊕ MOC is moving toward standardization in spatial coverage specification (P. Fernique)
  - ⊞ Several key IVOA apps, e.g. Aladin/TOPCAT (M. Taylor) utilizing MOC for advancing visualization based on spatial correlations between collections

- ⊕ Registry will adapt existing standards to accept MOC endpoints (footprint) in addition to STC (G. Greene) [AI-1]
  - ⊞ Interesting discussions and directions to pursue on the science use cases for characterization of spatial regions

- ⊕ Registry coverage indexes and/or services are key to large scale visualization (T. Donaldson)
  - ⊞ Can take advantage of widespread MOC implementations (T. Donaldson)
  - ⊞ Applications can utilize spatial coverage indexes on Big Data scales across ALL IVOA…or at minimum index resource grouping by metadata type

Session 2: Registry Interfaces

- Registry Interface upgrade progressing with standards process for relational model (regTAP) (M. Demleitner)
  - Follow up telecon planned for open issues discussion [AI-2]
  - R. Plante will share XSL tool to ingest VOResource into regTAP [AI-3]
  - Several Reference implementations underway:
    - VAO Registry (T. Dower) registry schema and interfaces upgraded to latest standards with RegTAP interface (planned release July 2013)
    - report on IA2 regTAP postgres -> regTAP MySQL database ingest (M. Molinaro)

- Further efforts made toward REST interface to support free text query (keywords) with optional output formats – P. LeSidaner
  - Coordination with VAO and VOParis will continue to develop common syntax [AI-4]

- RWG working on 2-part standards integration for RI-2 [AI-5]

Session 3: Validation and Curation

- IVOA RWG working on Best Practice for Operations and Registry Provider Guide [AI-6]
  - IVOA Note(s) will be generated from Twiki page content

- Standards upgrade completed with VAO
  - New Publishing tools will provide common registration pattern, plan to extend this to other groups

- RofR administration and maintenance important for IVOA to insure uniqueness to Authority IDs

- VOParis ongoing DAL validation monitoring helps filter and curate the IVOA registries

- Concern on curation and results obtained with disparate registries – continue to work toward consistency

Standards Dependencies

RM   Identifiers

Astronomical
Visualization
Metadata (AVM)

VOResource 1.0   StandardsRegExt

ApplicationRegExt?

Registry
Interfaces (RI)
RI -2 in progress

VODataService   VOEventRegExt

RegTAP   MOC   SimpleDALRegExt
(SCS, SIA, SSA, SLA)   TAPRegExt

... TCG review

Recommendation	Note
Proposed Rec	In Development
Working Draft	
Working Draft (xml only)	

This →depends on→ that