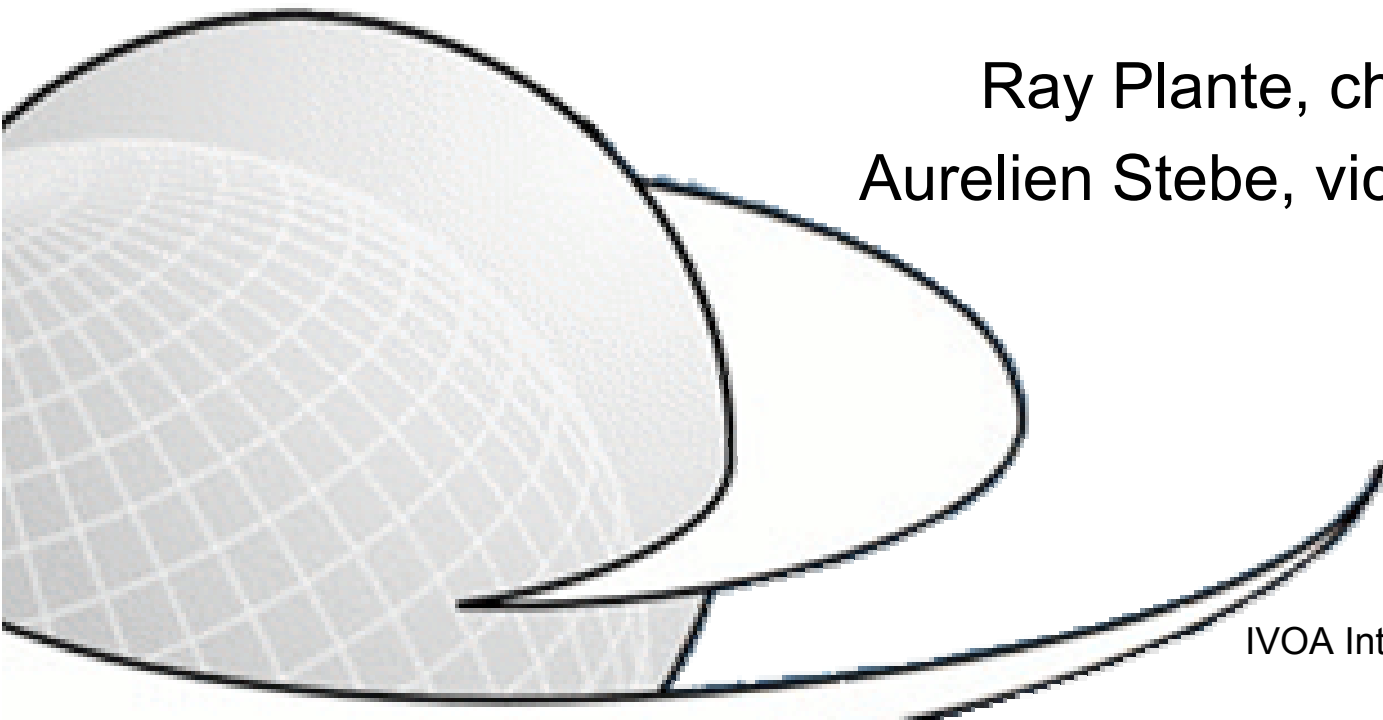# Resource Registries Working Group

Closing Plenary Session

Ray Plante, chair

Aurelien Stebe, vice-chair

14 May 2007
IVOA Interoperability Meeting – Beijing

Summary

- Topics
  - Advanced Discovery Techniques
    - Discovery Applications
    - Footprint services and coverage-based discovery
  - Registry Upgrade Status and Schedule
  - Standardization Schedule
    - Registry Interfaces and VOResource schemas
    - Astronomical Outreach Imagery Metadata
  - Registry Graininess Issues

- Working Group consensus
  - Not all registry providers could be in attendance
  - Solicit final approval of decisions over mailing list/twiki
    - Applications-Messaging voting mechanism

Advanced Discovery

- Discovery Applications
  - AstroGrid's VOExplorer (Noel Winstanley): "iTunes"-like design
    - Andy Lawrence: a tool like this is good at revealing the data model to the user, including perhaps its inadequacies
  - CDS Tools for catalog discovery & mining (Sebastien Derriere)
    - Use case of building SEDs
  - RDF-based discovery (Norman Gray)
    - Scaling up to all VO resource records

- Footprint Services for Coverage-based Discovery
  - Laszlo Dobos: presentation of footprint repository and services
  - Is there a standard service protocol needed here?
  - If data providers make detailed coverage descriptions to repository, data discovery application could use both repository and registry to find resources.
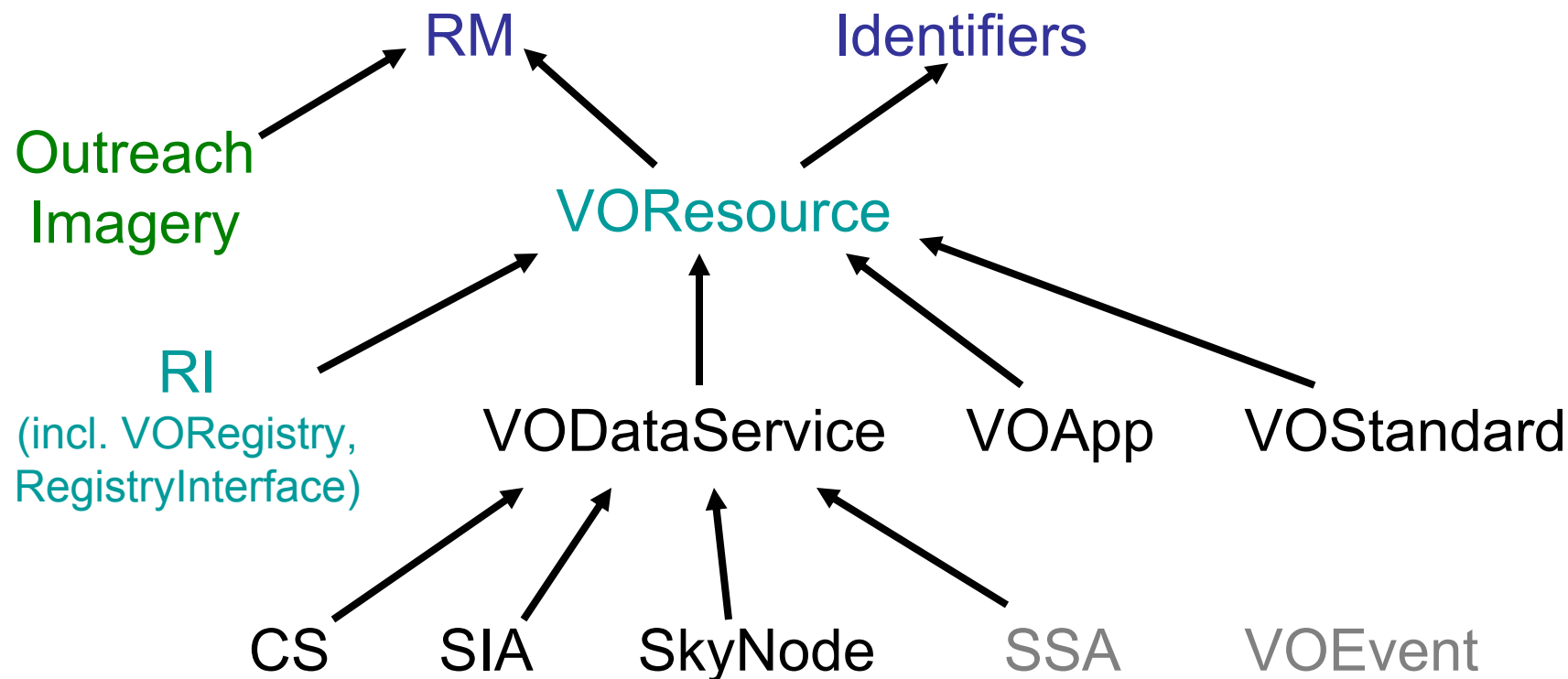
Registry Upgrade

- Completing upgrade and achieving stability ASAP is paramount

- Mixed results of upgrades on schedule
  - Some on time, some behind
  - Registry of Registries
    - 90% complete
    - Validater being used for diagnostics
  - Schedule is as yet unchanged

- Schedule
  - April 6: Registry of Registries (RofR) ready to validate registries
  - April 30: Registry Upgrades Largely Complete
  - May 1: Testing period begins
  - May 14: IVOA Interop: discussion of remaining problems
  - May 30: global power-on of new registries
  - June 15: stability
  - July 1: begin RI-related PR process

Standards Dependencies

RM   Identifiers

Outreach
Imagery

VOResource

RI
(incl. VORegistry,
RegistryInterface)

VODataService   VOApp   VOStandard

CS   SIA   SkyNode   SSA   VOEvent

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

This —depends on→ That

Outreach Metadata

- Tiger Team forming to move standard through process
  - Authors: L.L. Christensen, R. Hunt
  - Partners: Bruce Berriman, Markus Dolensky, Norman Gray, Andreas Wicenic

- Partners assist with process and editing issues

- Assist with community contacts
  - Making contacts
  - Soliciting comments

Standardization Schedule

- Reviewed Issues discovered during upgrade efforts
  - took recommendations on minor items
  - Identified past agreements that still need integration

- Specific Schema Discussions (Paul Harrison)
  - VOApplication: register applications and libraries
  - VOStandard:
    - allows definition of controlled vocabulary
    - Less disruptive/more extensible than defining it inside a schema

- Schedule
  - Monthly PRs from July (after upgrade) through to the end of the year.
  - Will produce special doc for SIA, ConeSearch services on behalf of DAL.

Fine vs. Coarse Grain Registries

- Discussion about what the problem is
  - Ray: attempts to define "fine-grained"
  - Application demonstrations based on "fine-grained" registries
  - Bob: report on NVO study of UCD assignment consistancy
  - Ray: concerns about disruptiveness of possible solutions

- Toward a solution
  - Guided by broad agreement that getting more metadata directly from service is a Good Thing
  - Need stability ASAP
  - After upgrade, form tiger team
    - VOSI v1.1 type of solution
    - Exchange slimmer records on the harvesting stream
    - Registries get to choose what detailed info they want
    - Can extend to "future" detailed metadata