THE INTERNATIONAL VIRTUAL OBSERVATORY ALLIANCE

Registry Session 1

Interoperability & Roadmap Planning
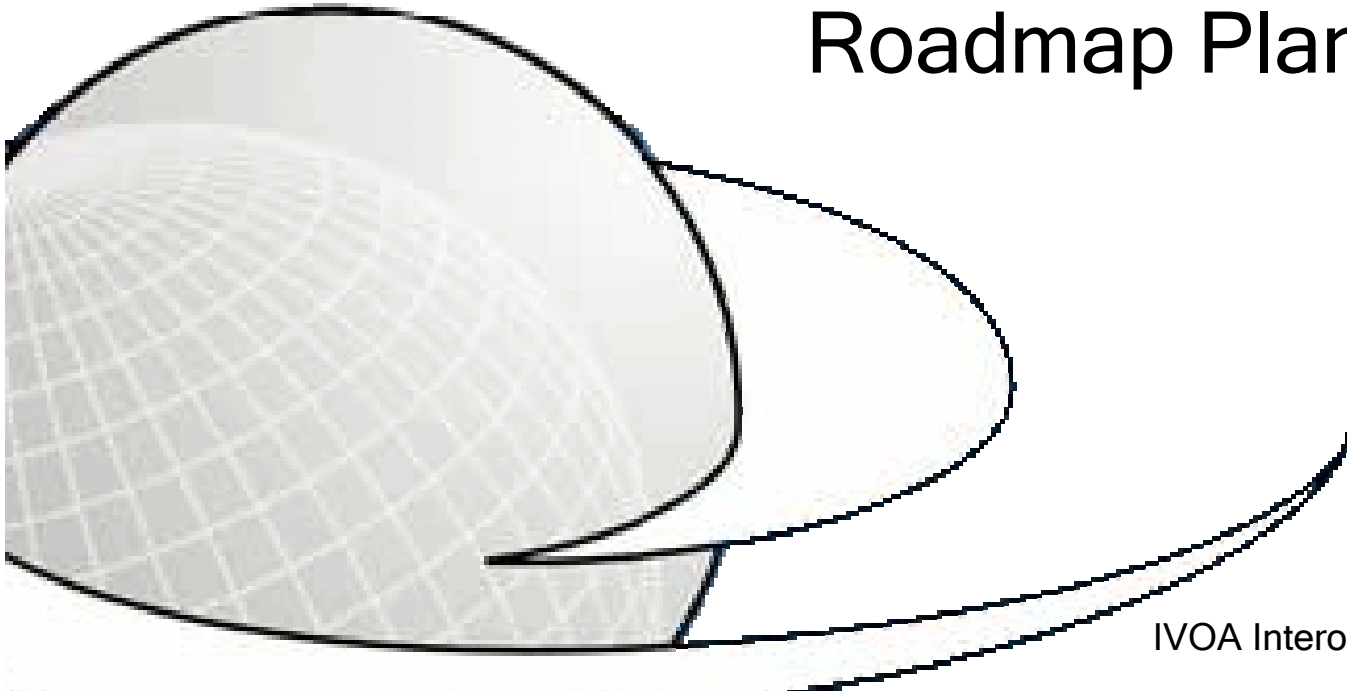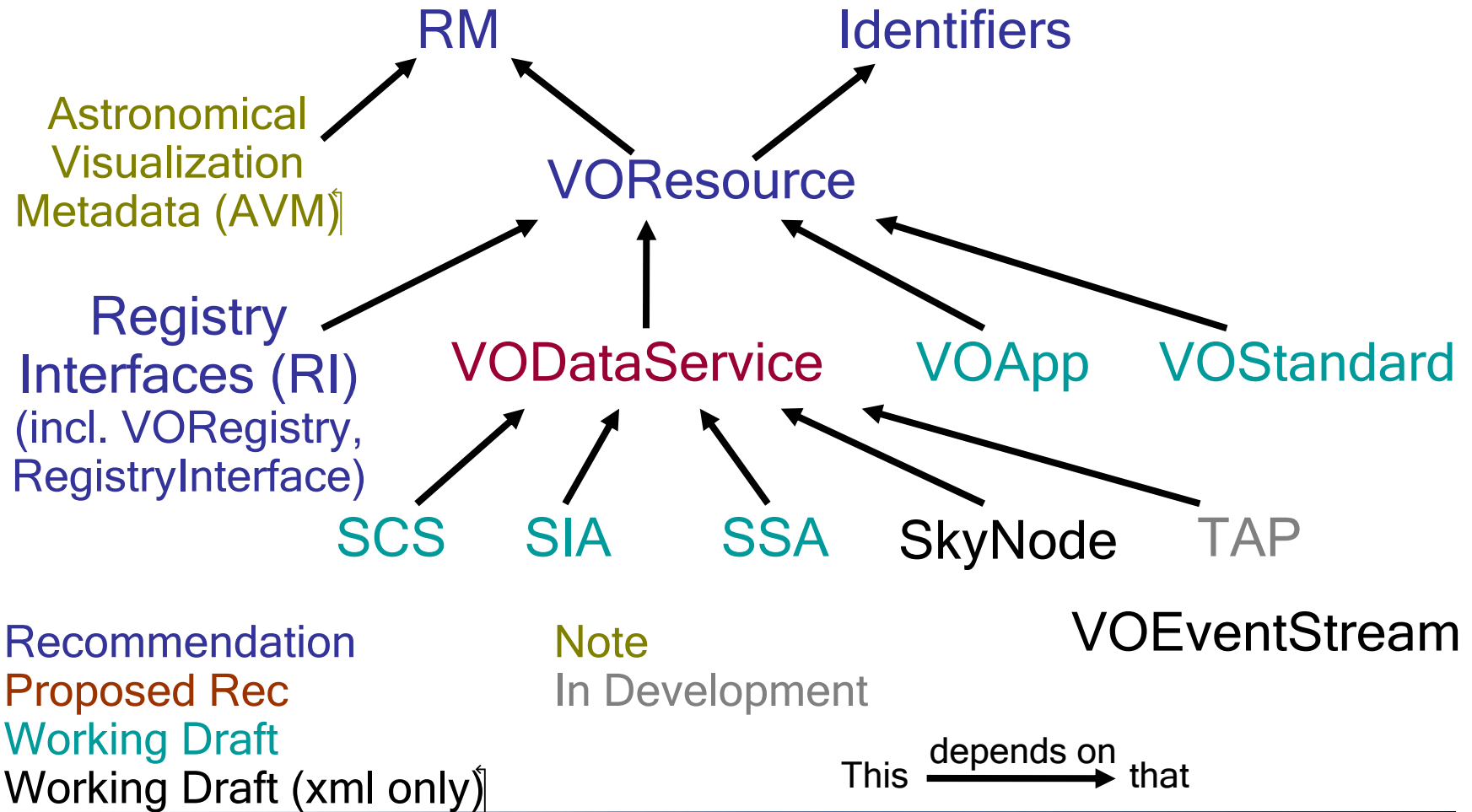
Standards Dependencies

RM   Identifiers

Astronomical
Visualization
Metadata (AVM)

VOResource

Registry
Interfaces (RI)
(incl. VORegistry,
RegistryInterface)

VODataService   VOApp   VOStandard

SCS   SIA   SSA   SkyNode   TAP

Recommendation
Proposed Rec
Working Draft
Working Draft (xml only)

Note
In Development

VOEventStream

This —depends on→ that

Registry Interfaces v1.0

- RFC finished

- Latest version: PR-RegistryInterface-v1.0-20090522.*
  - includes editorial changes requested by TCG review
    - Relaxed string normalization requirements for keyword search
  - (submitted but not yet deployed)

- Depends on ADQL v1.0
  - ADQL v1.0 is deprecated; what to do?
  - Agreed to insert relevant bits as an appendix into RI document

Registry Testing

- Registry of Registries (RofR) provides validater for Harvesting interface.

- ivoaregistry – client library and CLI tool for testing Search interface
  - http://trac.us-vo.org/project/nvo/wiki/IVOARegistry
  - Java library in use by TOPCAT
  - Do we need comprehensive testing?

Registry Extensions

- VODataService – basically ready for RFC
- VOStandard
  - Working draft schema available
  - Initial draft: P. Harrison, R. Plante, D. Burke
- VOApplication
  - Initial draft: P. Harrison
- Extensions for SCS, SIA, and SSA
  - D. Burke
- Not planning SkyNode extension specification
- Working in other WG:
  - VOEvent: VOEventServer
  - DAL: TAP, SLAP

Need more contributers!

Interoperability Issues

- K. Benson: identifiers, spaces, & XQuery

- Any others?

Future Directions

- We need replacement for current ADQL-based queries:
  - XQuery
  - astroBrowse: annotated keywords
  - Full ADQL support with mandatory object-relational model
  - …?

- VOTable based output

- Semantics integration

Innovation Needed?