

# IVOA Data Access Layer Working Group Sessions

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# Closing Plenary

# Spectral Data

- **SSAP V1.0**

- Both SSAP and Spectrum advance to PR after interop
  - Agreement to use format=metadata to allow V1.0 to proceed to PR immediately after interop (specification already revised)
  - Will also allow easier migration of existing implementations

- **SSAP V1.1**

- Agreement reached on getCapabilities, getAvailability, etc.
  - getCapabilities returns only VOResource Capability element
  - VOSI standard will be revised; DAL compatible with VOSI
- SSAP V1.1 specification will include these operations
  - can proceed immediately after V1.0 goes to PR
  - should be backwards compatible

# Spectral Line Lists

- **SLAP Discussions**

- Several issues arising from recent usage
  - this is good as it indicates use cases are real
- Issues
  - how to pass both protocol and original units
  - use of extension to pass quantum number information
  - further related data AMLDM data model revisions
  - more descriptive error messages and codes

- **SLAP Roadmap**

- SLAP 0.9 revision late May
  - incorporate changes discussed in Beijing
  - achieve interface compatibility with SSAP
- SLAP 1.0, AMLDM 1.0
  - WD targets August, move to PR in London

# Catalog Access

- **Cone Search PR**
  - Concludes after interop
- **TAP agreements and discussion**
  - Agreed to focus TAP on ADQL-based queries
  - Remove explicit data model support (POS, SIZE, etc.)
    - Will use ADQL plus UTYPE plus REGION instead (etc.)
    - Service can support SCS as an additional capability
    - Using UTYPE means additional data models can be supported
  - Grid capabilities
    - Simple synchronous query support mandatory
    - Asynchronous query support essential, but optional capability
    - getCapabilities, getAvailability same as for other services
  - Table metadata query requirements discussed
    - Service can be queried directly for metadata
    - Format and content of table metadata still under discussion

# Image Access

- **SIA V1.0**
  - Should be updated and advanced to PR soon after SSAP/SCS
- **SIA V2.0 Priorities**
  - Agreed that retaining simple usage for simple cases is essential
  - Highest priority is for upgraded interface, grid capabilities
  - Want to be able to return image + auxiliary data products
  - Agreed data cube support is an essential new capability
  - Much interest in issues involving complex data associations
  - Support for multi-resolution images should be considered
- **Fast-Tracking New Standards**
  - Interest in more rapid develop/prototype for both SIAV2 and TAP
    - Not whole thing necessarily, but some subset of new capabilities
    - In particular, prototype UWS/stageData, multiple region queries

