

# Moscow Interop

Data Models: Plenary-1

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Sep 2006

# Data Models Status

- Main active work since Victoria Interop:
  - Spectrum data model (top priority)
    - New DM document, minor feedback to incorporate
    - Waiting for SSA Protocol doc
  - Characterization
    - Incorporated feedback since Victoria
  - STC
    - V1.30 schema updated; Arnold still working on doc
    - New 'abstract data model' doc
  - Atomic Line
    - Propose moving to PR now

# Moscow Goals

- Spectrum
  - Take final (?) comments, move to PR
- Characterization
  - Review steps to PR
- STC -
  - still waiting for final doc
- Atomic Line
  - No action here; get the doc through the PR process?

# Data Models Next Steps

- Working on software implementations
- Reuse small component models
  - Characterization/Coverage
  - Curation
  - Accuracy
  - DataID, Target
- Issue as separate docs?
  - for discussion

# STC

- Simple coord transforms added (Bonnarel) consistent with WCS
- Schema hierarchy improved
- Abstract DM document from JCM
- AR nearly finished working draft

# Spectrum

- **New document version 0.98c**
- <http://hea-www.harvard.edu/~jcm/vo/docs/spec98/spec98c.pdf>
- Changes since last Interop:
  - Made changes agreed in Victoria
  - Major reorganization of document:
    - consistency of nomenclature
    - clarification of characterization vs data
    - consolidated list of utypes
    - overall clarification
  - Minor modifications to XML and FITS serializations
- Doug and I believe this is ready for PR with minor edits
- R. Thompson and A. Richards submitted comments, will incorporate

# Spectrum

- Changes that need to be made:
  - Method to identify serialization type (MIME?)
  - MUST/SHOULD/MAY (now only have MUST/MAY)
  - Do we have consensus on allowed units?
  - Some cleanup and clarification for FITS serialization
  - Minor technical details based on feedback

# Characterization

- Defined MUST, SHOULD, MAY for each item of metadata
  - Richards, Louys, Bonnarel
  - Helps data providers see what is essential
- Added examples
- New version of document will be released by end of Sep
- New version of XML schema (Bonnarel) with full compatibility with STC
- Reviewing compatibility with Source catalog model (Osuna)