Registering (mainly data) services

- Want to access smaller data collections too
 - part-time/spare-time archivists
- Many early Registry entries are incomplete
 - coverage undefined/incomplete
 - data description missing
 - sometimes no date, no version, etc. etc.
- Got away with it so far
 - test queries built using prior knowledge
- Why is it too hard even for 'us' to make proper entries?
 - no low-effort interface
 - data providers give too much or too little detail
 - coverage takes effort to compute
 - we forget users/tools lack prior knowledge
 - element names not unique
 - not documented for astronomers etc. etc.

Need tools to support registration

- Web forms keep short!
 - Scripts to help data providers (a là Sébastien's talk?)
 - Validate entries (against schemata and data?)
 - helpful error messages
 - Identity, Curation not too bad
 - Type determines which elements are needed?
 - Subject, Description
 - metadata harvesting from data resource?
 - from keywords and abstract if Source=bibcode
- Relationship, RelationshipID
 - Needs careful definition wrt use of extensions
 - Thereafter could use to copy or link common elements
 - e.g. observing log and source list share Facility etc.
- Coverage
 - If not filled, extract from data or keywords
 - Initially simple, probably over-inclusive
 - e.g. 'radio' data given λ≤ 10 mm if not specified

Prioritise

- Define elements as must, should, may etc.
 - must implies Registry can't describe resource if element is missing
- Essential *must's* (defined as Required in RMv1.0)
 - Title. Identifier
 - Publisher
 - could be VO if otherwise unknown
 - Subject, Description
 - highly desirable but maybe not essential
 - Reference URL
 - Type (controlled list Archive, Registry etc.)
- Add Date and/or Version to Required
 - suggest Date, default date Registry entry made
- ServiceMax(etc.) user must know any restrictions?
- Element names unique to aid human checking
- Flag for accuracy/completeness of metadata?
 - Bob's proposed incremetal quality indicator!

