



Science Assessment

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*on behalf of the Committee on Science Priorities
(with direct input from Mark Allen)*



Science Cases

- ObsTap: very close to convergence
- SED: half-way through?
- Search by list/classification: starting



- Very close to completion: Doug, Alberto Micol, and Daniel will work on the latest draft this afternoon; the plan is to send it to Mireille for final edits by the end of next week!



SED Science Case

- **One** photometry Data Model document in the works!
- Agreement reached on most open issues (as detailed by Mireille and Pat)



Search on Classes/Lists

- Capability to search using a list
- Access to classifications

This Interop

- Science session – first open discussion on scope and identifying which standards are needed
 - TAP, multi-query use of ConeSEarch/SIA/SSAP
 - Vocabularies have role of making classification schemes interoperable



- Identified issues:
 - Need for science testing of TAP implementations – *how will a scientist do it?*
 - Need to promote uptake of TAP on important services – roles for WG, and Projects
 - Need to be more specific on formats/tools
 - *‘VOTable list input with a tool interface like TOPCAT multi-query’*
 - TAP with upload important, but upload is optional
 - TAP-PQL may need way to designate columns beyond use of UCDS



Next steps

- Coordinate more specific plan with WG chairs (DAL, Semantics)
- Understand timeline for TAP-PQL, and separate the standardisation and ‘application’ aspects
- Motivate data centres to uptake TAP
- Get feedback from implementors
- Set specific goals for 1 year ‘project’, along lines:
 - *Services x,y,z querable with lists via TAP*
 - *Classifications services from a,b,c, available via VO interfaces*