

# IVOA Science Inputs: Current Status

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For the IVOA CSP

IVOA InterOp – Naples

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# IVOA Science Initiatives

- Idea Evolved from Take-Up Efforts
  - IVOA Take-Up Committee – 2008
  - Ad Hoc Committee on Prioritisation Path – 2009
  - Standing Committee on Science Priorities – 2010
- Process Now Well Defined
  - Victoria CSP Meetings
  - Nara CSP Meeting
  - Nara TCG Meeting

# IVOA Science Initiatives

- Origins of Science Initiatives
  - Candidate Initiatives Suggested by CSP
  - Exec Discusses, Provides Approval (or Not)
  - Lead Scientist Identified for Each Initiative
  - Lead Scientist Coordinates WG, IG, and TCG Work in Progress Relevant to Initiative
  - TCG Chair Involved Throughout Process
  - Lead Coordinates Discussions of Possible Involvement with Projects on New Work Required

# Current Science Initiatives

- "ObsTAP"
  - Wide Variety of Data Access in Uniform Way Across Many Collections
  - Lead: D. Schade
  - In RFC (ObsCore/Dm; TAP)
  - IVOA Core Work is Done, but
  - Need Implementations by Data Providers
  - Need Applications to Support Access
  - CSP – Continue Communication, Liaison

# Current Science Initiatives

## ■ SED

- Lead – Paolo Padovani
- SED View, Analysis; SED Editing; SED Build
- Recent Work by WGs and Projects
- Meeting This Interop – Joint SED/DAL/DM
  - Photometry DM Produced
  - Spectrum DM 1.2 Produced, Includes PhotDM
  - SED DM Produced, Includes Spectrum DM
    - Splinter Session Re SED Data Access Protocol
  - All On Track for RFC, then IVOA Approval

# Current Science Initiatives

- Search by Classes/Lists
  - Lead – Mark Allen
  - Limited in Scope – Uses Existing Classifications
  - TAP Services Adequate for Access
  - Hard to Find What Services Available
  - Now ~ 6 Clients Use the Services
    - March 2011 – Few TAP Services Worked
  - Now About 12-15 Services Working
  - Continuing Need for Registered and Working Services

# New Science Initiatives

- Must Reflect Needs of Community
- Past Initiatives Derived From:
  - Outreach Activities (EuroVO)
  - Knowledge within CSP/IVOA of Needs
- New Initiatives –
  - Extensive Sampling Impractical
  - External Advisors
  - Use Existing External Advisory Committees

# Review of CSP

- CSP Created by Exec
- CSP Reports to Exec
- CSP Should be Periodically Reviewed by Exec
- Review of Policies and Practices Done by Website Poll May 2011
- Full Report Given to Exec this Week



# Review of CSP - Summary

- Coordination of Initiative Work
- How to Foster Implementation of Tools and Services
- How to Generate New Science Initiatives
- Overall: "Positive.." "doing a great job"

# IVOA Science

- One Science Initiative Near Fruition
- Very Good Progress on SED
- Work Still Needed on Search by Lists/Classes
- Awareness of Science Priorities in Place
- A Joint Effort from All of IVOA