



ASTROPHYSICAL VIRTUAL OBSERVATORY

***AVO Work Area 1 Plans and
the Role of the SWG***

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Hi!

- Officially joined AVO Dec. 1 2003
- Multiwavelength AGN astronomer
- Past six years: ESA staff at STScI
- Duties: Archive Scientist at MAST
- Many ideas to get more science into the AVO!

WA1 Update

- Demo, demo, demo!
- Busy past few months for WA1: weekly telecons involving all partners
- New standards and tools
- Fruitful and very positive contacts with ISO and XMM ESA archives at VILSPA
- AVO First Science!

WA1 “to do” List

- AVO (Phase A) formally ends Nov. 2004
- WA1 commitments:
 - Produce AVO Science Reference Mission (SRM) by the end of the year to lead us into the EURO-VO
 - Define the AVO Science Requirements
 - Plan and deliver third (and last) AVO Science demo

Science Reference Mission (SRM)

- Discussed at first SWG meeting (Feb. 2002):
 - “definition of what ideally AVO should be in its full implementation ... can take shape during Phase A [AVO] and will be part of Phase B” [EURO-VO]
 - “definition of a small number of test science cases that AVO should implement”
 - definition of science case(s), with related requirements, against which the impact of EURO-VO will be measured



WA1 Further Plans

- Move towards EURO-VO:
 - Work for the “average” European astronomer: once we win them to the VO cause they will be our strongest supporters
 - Start providing simple but powerful tools to facilitate exploitation of multiwavelength data (e.g. image alignment and registration tool)
 - Work with (not for) the data centres to increase interoperability [inter-archive tools] and promote “science-ready” products; [see direct access to ISO and XMM data from AVO prototype]
 - Start making ESO/ST-ECF archive “VO-compliant”
 - Make SCIENCE a fundamental part of the AVO!

The SWG

- AVO Science Working Group established two years ago to provide scientific advice to the Project
- SWG at present includes 31 members plus 22 members "at-large" (no financial support)
- SWG has met so far four times (Feb. 7 & Jun. 12 2002, Jan. 21 2003)
- Previous meeting minutes ok?

The SWG Role

- This meeting:
 - Give feedback on the demo
 - Sub-groups should identify science topics in their areas and the need for specific tools and capabilities that the AVO should satisfy
 - Come up with ideas for science papers using the AVO prototype
 - Help in shaping up the next demo

The SWG Role (contd.)

- After the meeting:
 - Download and try out the AVO prototype! Give us more feedback. If you have problems **do not give up** and contact us!
 - Use the prototype for your day-to-day work (it's a great research tool!) and "spread the Gospel" (with caveats discussed yesterday)
 - Identify ways the VO could help YOU to do your science
 - Write the papers you thought about at the meeting!

The SWG Role (contd.)

- After the meeting:
 - Start working on AVO SRM. Suggestions:
 1. Sub-group chairs could start setting up bi-monthly telecons
 2. Use dedicated, restricted Wiki pages to exchange ideas
 - Attend the next SWG meeting (in about 6 months) and provide detailed input on SRM and next demo

The SWG Role (contd.)

- Your feedback is important!
- Feel free to contact me with any comments and suggestions on the AVO - SWG interaction:
 - What is not working?
 - What could be improved?

Summary

- This year is an important one for AVO
- Moving towards EURO-VO (the “real thing”)
- We need your help to conclude the AVO phase and start the EURO-VO one on the right track
- Let us prove that “VO” and “science” can go together!