

IVOA Meeting 2: Telecon  
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TM2

Notes: NAW

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Present:

Piero Benvenuti	<pbenvenu@eso.org>	PB	AVO
Francoise Genova	<genova@astro.u-strasbg.fr>	FG	CDS
Bob Hanisch	<hanisch@stsci.edu>	BH	NVO
George Helou	<@caltech.edu>	GH	NVO
Andrew Lawrence	<al@roe.ac.uk>	AL	AstroGrid
Tony Linde	<tol@star.le.ac.uk>	TL	AstroGrid
Oleg Malkov	<malkov@inasan.ru>	OM	RVO
Ray Norris	<ray.norris@csiro.au>	RN	eAA
Peter Quinn	<pjq@eso.org>	PQ	AVO
David Schade	<David.Schade@nrc.ca>	DS	CVO
Ethan Schreier	<schreier@stsci.edu>	ES	NVO
Alex Szalay	<szalay@pha.jhu.edu>	AS	NVO
Nic Walton	<naw@ast.cam.ac.uk>	NW	AstroGrid
Vladimir Vitkovski	<vvv@sao.ru>	VV	RVO
Roy Williams	<roy@cacr.caltech.edu>	RW	NVO

#### Glossary

AVO - Astrophysical Virtual Observatory  
AVO - AVO Science Working Group  
CDS - Centre de Données astronomiques de Strasbourg  
CVO - Canadian Virtual Observatory  
eAA - eAstronomy Australia  
GAVO - German Virtual Observatory  
GSC - UK Grid Steering Committee  
NVO - National Virtual Observatory  
RVO - Russian Virtual Observatory

IVOA - International Virtual Observatory Alliance

#### Agenda:

- o Plans for January IVOA meeting in Seattle
- o Coordination of technical development activities
- o Project team meeting schedules
- o Interoperability working session following ADASS (Oct 17)
- o IVOA partners in China, Japan
- o Need to establish IVOA web site
- o Project highlights

0. List of actions from this meeting and ongoing actions.

ACTION TM2-1.1: BH/PQ: generate and distribute agenda of Seattle meet

ACTION TM2-2.1: AL: send pointers to astro-ontology

ACTION TM2-4.1: BH: publish the agenda of the post adass interop meeting

ACTION TM2-8.1: BH: start the email discussion re IAU JD by end Sep 2002.

ACTION TM2-10.2: BH: organise next Telecon.

ACTION FM1-1.1: BH - report to next telecon: Contact suitable representatives in Japan, Chile, China and South Africa as to possible participation in the IVOA. This list is not exhaustive.

ACTION FM1-2.7 BH: Expand email list to include new partners

ACTION FM-4.1 BH: organise Jan 9, 2003, pre-meeting dinner in Seattle.

ACTION: FM1-4.3 BH/PQ - next telecon - identify relevant conferences/symposium at General Assembly of interest for IVOA

### 1. Plans for January IVOA meeting in Seattle

BH: face to face meeting for Jan 2003 post AAS meeting.

Start 15.30 to 18.00 session Thu 9 Jan, 2003 followed by dinner.  
Conclude by 13.30 on Fri 10 Jan 2003.

ACTION: TM2-1.1: BH/PQ: generate and distribute agenda

### 2. Coordination of technical development activities

BH: follow on from discussion during SPIE Kona meeting. Need to be aware of technical issues coming up which might require international stds.

BH: image access protocol work being done by the NVO. This is not a standard. The protocol is currently being discussed within the NVO, when agreed by then it will be distributed to the IVOA.

PQ: List of stds needs to be presented in Seattle.

FG: AVO interoperability meeting after the Oct ADASS XII (Thur 17 Oct 2002). Will discuss issues of stds at that point.

RW: should there be a specific IVOA discussion group to look at the image access protocol. YES - initial review at the Baltimore Oct 17, 2002 meeting.

FG: will send update on AVO data model and UCDS activities in a few days.

AL: AstroGrid activities in the areas of ontologically based registry and workflow. Idea of an astro-ontology workshop.

AGREED: IVOA members will make the community aware of upcoming standards issues. Make use of the ivoa email distribution list.

AGREED: full discussion of standards at the IVO Jan 2003 meeting.

ACTION: TM2-2.1: AL: send pointers to astro-ontology

### 3. Project team meeting schedules

BH: need awareness of major project team meetings.

#### 3.1 NVO

BH: NVO data model sub group meeting just prior to the Oct ADASS conference.

NVO extends an invitation to others to attend their

Next NVO project meeting: Dec 3/4 or Dec 4/5 2002 (tbd), West Coast

Baltimore, Nov 16-22, SC2002 (<http://www.sc2002.org/>) with NVO presence.

### 3.2 AVO

PQ: AVO meetings:

30 Sep 2002, Strasbourg, Looking at AVO interoperability stds  
16 Dec 2002, Cambridge, Beta release of AVO Demo and AVO Exec meeting.  
20/21 Jan 2003, Jodrell, January Demo release + AVO SWG

### 3.3 eAA

RN: wishes to attend the 20/21 Jan meeting.

eAA have a meeting in Sydney or Melbourne (mid to end Nov 2002)

### 3.4 AstroGrid

AL: Oct 18, 2002 - UK GSC review the AstroGrid programme. The PhaseA report can be found on the wiki - under development at:

<http://wiki.astrogrid.org/bin/view/Astrogrid/PhaseBDocs>

Full AstroGrid project meeting Dec 02 or Jan 03.

Scientific Data Mining, Integration and Visualization (SDMIV) meeting (organised by Mann and Williams) Oct 24/25, 2002 in Edinburgh - see <http://www.anc.ed.ac.uk/sdmiv/>

Ontology meeting - 23 Oct 2002 - in Edinburgh, organiser RW..

## 4. Interoperability working session following ADASSXII (Oct 17, 2002)

Accommodate 35 people in a meeting room on campus at STScI.

discussions on:

- NVO data model [nvo]
- simple image access protocol [nvo]
- service and resource metadata protocol [nvo]
- review on VOTable - what works and where next with the spec. [nvo]
- UCD experiments [avo]

FG: need time for discussion if the VOTable experience is anything to go on.

PQ: SPIE meeting showed that many people are starting to use VOTable - need a study to see who's using it.

ACTION TM2-4.1: BH: publish the agenda of the meeting

## 5. IVOA partners in China, Japan

BH: AL has made contact in Japan.

AL: Japan - Kaz Sekiguchi is leading a working group. No funds yet, and probably no bid going in soon (Japan focusing on ALMA just now).

Their main focus is on federation of multi-lambda data - support Subaru Deep Field data. Less focus on IT.

BH: There is a Japanese representative as an affiliate on the NVO.

PQ: Cheng Dong - Yuan Observatory in China - keen to get involved in VO initiatives.

PQ: South Korea- wide-star experiment - network of small telescopes - interest shown.

PQ: GAVO is likely to be funded in Germany soon.

PB: Italian initiatives - proposal is currently under review. Project led from Padua - National Institute for Astrophysics.

ACTION: see ONGOING action FM1-2.7 below.

## 6. Need to establish IVOA web site

PQ: www.ivoa.net will soon point to a machine in ESO. This will host the IVOA web site. euro-vo.org will be the new web site for the AVO project.

ES: need to be able to publicise VO progress via these web sites as soon as possible.

## 7. Project highlights

### 7.1 NVO

BH: push on the three Jan demos - all on schedule. Beta release of the demos in early December.

### 7.2 AVO

PQ: Focus on the AVO Jan 2002 demo - servicing GOODS and LMC data/science. Definition of 'baseline' and 'enhanced' products.

FG: Usage of UCDS to manipulate and transform data.

### 7.3 AstroGrid

AL: Web service contribution to the AVO Jan 2003 demo.

NW: Completion of the Phase A report and conclusion of the technology demos.

### 7.4 Others

DS: Canada - CVO: working with NVO on the cluster morphology demo - cutout service, image access, catalogue work. Database performance issues slowing the Canada prototype VO.

RN: Australia - eAA: just been funded. 0.5TB of data made available. Yet to define main focus areas of work.

VV: Russia - RVO: uniting local archives at SAO RAS. Automating usage of a small telescope for photometric use. Issues with improving network communications between main sites. Work on telescope proposal

process. Main project begins 2003.

FG: CDS is collaborating with VO-India on VOTable tools.

## 8. IAU Sydney

BH: IAU JD on Large Tels and VOs - need an email discussion soon on who the speakers should be, and topics.

RN/PQ/NW: Stress the integration of VO's as a key component of large future observational facilities.

RN: there will be an opportunities for VO demos at the IAU

FG: in discussion with Johannes Andersen - bring fuller details of VO talks/demos in Jan 2003.

GH: stress importance of inclusion of smaller countries in astronomy via their participation in VO activities.

ACTION TM2-8.1: BH: start the email discussion by end Sep 2002.

## 9. Review of actions.

ACTION FM1-1.1: BH - report to next telecon: Contact suitable representatives in Japan, Chile, China and South Africa as to possible participation in the IVOA. This list is not exhaustive.

ONGOING

see item 5 above.

ACTION FM1-2.5: BH: by next Telecon - approach RW re Technical Chair. RW agreed.

CLOSED

ACTION FM1-2.7 BH: Expand email list to include new partners  
see item 5 above

ONGOING

ACTION FM1-2.8 PQ: Organise physical location of www pages, and arrange a US mirror in conjunction with RW.  
see item 6 above

CLOSED

ACTION FM1-3.4 BH: Speak to IAU FITS working group re release of WCS standard.

CLOSED

US FITS have approved papers 1 and 2 - gone to Europe, Accepted for publication in A&A. Progress on Paper 3 good.

ACTION FM-4.1 BH: organise Jan 9, 2003, pre-meeting dinner in Seattle.

ONGOING

ACTION: FM1-4.3 BH/PQ - next telecon - identify relevant conferences/symposium at General Assembly of interest for IVOA

ONGOING

ACTION FM1-4.5 AL: update IVOA on possible Edinburgh 'focus' meeting at next IVOA-Telecon  
Data mining meeting in Oct 2002 - see 3.4 above

CLOSED

ACTION FM1-5.2: BH: organise next Telecon.

CLOSED

## 10. AOB

ACTION TM2-10.2: BH: organise next Telecon.

Meeting Closed: 16.25

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