



Project Meeting
IoA (CMS room MR5) Cambridge
14 May 2003
14.10 – 17.00

DRAFT Minutes

AVO Document avo-meeting-05-2003

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CONTENTS

CONTENTS.....	2
AGENDA.....	2
ATTENDANCE.....	2
AGENDA ITEMS.....	3
Item 1 Previous Minutes and Actions.....	3
Item 2 Work Area 0 (Program Management) Report: PQ.....	5
Item 3 WA1 [Science] Report: PB.....	6
Item 4 WA2 Report: FG.....	6
Item 5 WA3 Report: AL.....	8
Item 6 July 2003 AVO Demo@IAU Overview: MD.....	9
Item 7 AVO/IVOA Activities: PQ.....	11
Item 8 AOB: PQ.....	11
Item 9 Next Meeting;PQ.....	11

AGENDA

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|---|----|
| 1. Adoption of minutes from 12 Dec 2002 meeting and review of actions | |
| 2. WA 0 [Programme] Report | PQ |
| 3. WA 1 [Science] Report | PB |
| 4. WA 2 [Interoperability] Report | FG |
| 5. WA 3 [Technology] Report | AL |
| 6. July 2003 AVO Demo Overview | MD |
| 7. Report on IVOA Activities | PQ |
| 8. AOB | |
| 9. Next Meeting | |

ATTENDANCE

Present: Piero Benvenuti (PB), Laurent Cambresy (LC), Sebastian Derriere (SD), Markus Dolensky (MD), Françoise Genova (FG), Andrew Lawrence (AL), Peter Quinn (PQ), Anita Richards (AR), Guy Rixon (GR), Piero Rosato (PR), Nic Walton (NW)

AGENDA ITEMS

Note: Papers presented at the meeting are available on line on the AVO web server at the meeting pages: <http://www.euro-vo.org/twiki/bin/view/Avo/AvoProj14052003>

Item 1 Previous Minutes and Actions

The minutes of the second project meeting held at the IoA on 16 December 2002 were adopted. Outstanding actions from 10/09/02 and 16/12/02 were discussed and the follow status noted :

ACTION number	Description	Owner	Due by	Status
01-10/09/02	WA1 report on the SRM and definition of the science drivers for the Demonstration program	PB	01/11/02	CLOSED
02-10/09/02	WA2 report including progress on the working prototype of inter-operable European archives	FG	01/11/02	CLOSED
03-10/09/02	WA3 report including progress on benchmarks in network, storage and data-mining tasks	AL	01/11/02	CLOSED
04-10/09/02	send any AVO papers to PQ for inclusion on the AVO web	ALL	16/12/02	CLOSED
05-10/09/02	issue call to SWG re Jan 20/21 demo	PB	16/12/02	CLOSED
06-10/09/02	progress future IVOA ontology workshop	PQ/AL	16/12/02	CLOSED
07-10/09/02	NGAST and technology choices clarification	AL	16/12/02	CLOSED
08-10/09/02	establish CDS contact for Ontology work	AL/FG	16/12/02	CLOSED
09-10/09/02	update baseline description of the demo to explicitly state that the demo will include the generation of SED plots	MD	16/12/02	CLOSED
10-10/09/02	define which capabilities in the Jan 2003 demo will be locally accessible c.f. externally accessible	MD	16/12/02	CLOSED
11-10/09/02	check possible (limited) use of mobile phones in Jodrell	AR	16/12/02	CLOSED

12-10/09/02	the 20/21 Demo is arranged under the auspices of the WA1 SWG. PB to issue invites to the SWG, GOODS science team, media representatives, AVO Exec	PB		16/12/02	CLOSED
13-10/09/02	Exec meeting #4 agenda item - continuing availability of the demo post 20/21 Jan 2003	PQ		16/12/02	CLOSED
14-10/09/02	send PQ for collation suggestions as to future IVOA standards - e.g. Astronomical Query Language, cut out service etc	ALL		16/12/02	CLOSED
15-10/09/02	Status of AstroVirtel for Dec 2002 Exec meeting Agenda item	PB/PQ		16/12/02	CLOSED
16-10/09/02	mailing lists located on the AVO Wiki.	MD		16/12/02	CLOSED
07-02/04/02	OGSA report	GTR		30/12/99	CLOSED

Item 2 Work Area 0 (Program Management) Report: PQ

Item 2a Year One Project Report

PQ noted that the report had been submitted and was well received by the Commission. There were some minor formatting issues, and a small outstanding query on the Terapix travel request.

PQ noted that the EC need to give prior approval, through PQ, for any travel requests on the project outside of the EU.

Item 2b Euro-VO Proposals

PQ: The Dec16, 2002 draft document received some comments, but basically this formed the Euro-VO proposal: where the Euro-VO would have three main components: Facility Centre (Euro-FC), Technology Centre (Euro-TC) and Data Centre Alliance (Euro-DCA).

PQ reported that there will be three proposals in total: an I3 proposal (VO-INT: PI PQ) submitted 15/4/03 (~Euros 9M), an I3 proposal (VO-NET: PI FG) submitted 6/5/03 (~Euro 3-4M), and an IP (VO-TECH: PI AL) to be submitted in Oct 2003

(~Euro 3-4M). Thus the total programme is envisaged at ~Euro 12-15M, including matching funds, but with most being EU funding. Programme to start Sept 2004, for a period of 4 years.

The proposals have been written by PQ, FG, PB and AL.

The structure of the Euro-VO DCA component envisages 8 teams organised on a national basis.

Three key elements of Euro-VO are: User Support, standards, and technology development,

PQ noted that the Euro-VO proposals are and will be in competition with other astronomy related proposals. In particular in the RG DG Research Infrastructures call, the INT-VO proposal would be competing with the Opticon and RadioNet proposals. The outcome of the first two applications should be known by July 2003. VO-NET competes with the EGEE proposal bid.

The proposals are available on-line on the AstroGrid VO wiki and PQ encourages all to read them

Item 2c AVO Scientist

PQ reported that the AVO Scientist had been re-advertised, this time as a fixed term ESO International Staff position.

Item 3 WA1 [Science] Report: PB

Item 3a Science Requirements Progress

PB reported on the feedback from the AVO SWG Jodrell Bank meeting (Jan 2003).

PB noted that as a result of this feedback it has been decided to prioritise access to spectroscopic data in the next AVO Demonstration product.

NW suggested that a possible intermediate step for the July 03 IAU Demo would be to enable the use of a photometric redshift application (hyper-z) . MD indicated that there might not be time to include this in the July 2003 Demo and it was AGREED that therefore this capability would not be rolled out for July 2003.

NW reported that the SWG report would be prepared by June 2003.

NW noted that he would poll the SWG for feedback on the AVO demo s/w

[ACTION 01-14/05/03: NW] issue report of the SWG Jan 20/21 2003 meeting by June 2003

[ACTION 02-14/05/03: NW] poll the SWG as to feedback on use of the AVO 1st light demo product.

Item 4 WA2 Report: FG

Item 4a AVO 1st Light Demo experience

FG gave an update on issues relating to the work carried out with the Jan 2003

AVO 1st light demo. A large effort was required to produce the documentation and user instructions for the demo. However, to date, the long term support requirement has been low, so the demo will continue running as a public service.

Item 4b Data inclusion

FG noted that the new archive, XMM, was now available, with access to catalogues and a direct link to the image data.

Item 4c Standards – by IVOA Work Group Area.

UCDs: activity here included pruning and rationalisation of the UCDs and development of an UCD assignment tool

IDHA data model, this continues to be developed and was used to support the data browser in the AVO demo

Registry: activity continues in this area.

Web services: two are now operational at CDS, namely: 'sesame' and 'glu tag resolution'

VOTable: further work in continuing addressing GROUP and PARAMETER

DAL: The Aladin data integration tool is being implemented as a SIAP server and client

Item 4c InterOp meeting

FG indicated that the next IVOA interop meeting would be for the two days after the ADASS in Strasbourg – thus 16+17 Oct 2003.

Item 4d New functionalities in CDS/AVO products

FG reported that many new AVO related developments were in progress under WA2 including:

- UCD search in Vizier

- Data tree in Aladin

- In collaboration with India-VO

 - VOPlot for spectra

 - VOPlot in Vizier

 - VOPlot in Aladin

Item 4e CDS Visitors

FG reported that Mary Kontizas and Bob Mann are carrying out science tests using the AVO prototype whilst they visit CDS in Strasbourg.

Item 4f IAU and IAU VO WG

FG reported that the programme for the Large Telescope/VO JD8 session is being finalised. This JD is organised under the auspices of the IAU Commission 5.

A Comm 5 VO WG is in the process of being formed. It's role will be to give final IAU 'blessing' to VO standards agreed within the context of the IVOA

Item 4g IAU July 2003, AVO Demo

FG commented that the AVO July 2003 demo would be based on the Jan 2003 products with some extra functionality, in particular the availability of ACE, SED

and VOPlot as plugins to the AVO-Aladin data integrator. Resources would be available through the implementation of SIAP access protocols. Extra radio data sets would be accessible for the GOODS fields.

Item 5 WA3 Report: AL

Item 5a Staff

AL reported that two AVO staff in this area have been unavailable for the period. Martin Hill was called up for active duty in the Gulf (although he has recently returned to the project). Alan Maxwell, has, very sadly, recently passed away.

Item 5b WA3 Report Deliverables

AL noted that the AVO should ensure full delivery of the reports that it has committed to.

WA3.1 grid area: currently working towards the middleware assessment report. GTR is leading this, AstroGrid and AVO now have much experience of grid services.

GTR noted that OGSi has been frozen for standardisation by GGF.

Comments now, will feed into OGSi v1.0 in autumn. so the AVO can now produce production level grid services against this reference standard.

OGSA-DAI are now up to v2 s/w providing access to databases. so this is now useful and relevant to the AVO.

AstroGrid have now created a number of astronomically relevant grid services

an area based service for searching on catalogues through a grid service, this has also been implemented using OGSi and OGSA-DAI products.

WA3.2 Hardware: Andreas Wicenc is gathering reports from places with expertise in this area (e.g. Cambridge, Edinburgh, IAP, ESO, etc). The report will be created from this, ready for circulation by Nov 2003.

Wicenc may organise, late summer 2003, a meeting to discuss use of relevant hardware systems, e.g. Beowulf clusters, swappable disks, etc, inviting interested AVO members. amongst interested folk in the AVO.

WA3.3 Database report: Clive Page is producing this report (partly based on the database report prepared for AstroGrid). Page is liaising with Mellier at TeraPix on this report.

Item 5c AstroGrid/Australian-VO July 2003 Demo.

AL noted that AstroGrid were collaborating on a joint demo for the July 2003 IAU meeting with the Australian-VO project. This would provide a grid service based interface to a volume rendering application.

Item 5d AVO network

AL noted that an assessment was required as to performance of the network (speed, reliability etc) between the AVO partner sites.

GTR noted that it was already clear that there would need to be hardware improvements to realise full network connectivity between some AVO sites.

[ACTION 03-14/05/03: PQ/AL] As a first test of AVO network connectivity, the case of data from of WFCAM data between IoA and ESO should be analysed, for sustained transfer rates, reliability etc.

Item 5e Jan 2003 AVO/SWG Demo.

AL noted, based on the success of the AVO Demo presentation combined with an AVO SWG meeting, that future AVO 'events' should be linked to AVO SWG meetings. This would ensure full scientific exposure for the AVO.

Item 6 July 2003 AVO Demo@IAU Overview: MD

Item 6a Increments to the AVO Demo product.

The main priority for ACE is to allow its operation in dual image mode.

ACE would be available through AVO-Aladin as an integrated plugin.

Increments for AVO-Aladin c.f. Jan 2003 AVO-Aladin v0.919

full integration of VOPlot

increments to SED: this would be basically the same but accessible as a plugin

The meeting AGREED that changes to the Demo product for the July 2003 presentation should be kept to the minimum, to allow delivery of a robust product.

Item 6b Tutorial manual

PQ commented on the possible resource implications concerned with the update to the tutorial material.

[ACTION 04-14/05/03: MD] Generate a timeline for the updates to the demo, and resource implications concerning updates to the tutorial materials.

Item 6c Demo Evolution

PR discussed the issue of how the AVO demo would evolve. The GOODS team were being canvassed to suggest how the demo might usefully support their science

possible near term extensions include making accessible spectroscopic data sets – for instance end July 2003 sees the release of 300 spectra of GOODS sources observed with FORS2

A key aim for the Jan 2004 demo would be to exploit this and other spectral datasets.

PR noted that a FORS2 data model was being worked on, together with association of spectral with image data.

Item 6d Demo Science

Together with Chris Mullis, PR was currently cross correlating Chandra and XMM catalogues with image catalogues from the VLT Science archive, creating association lists. A future development would be to enable multiple distributed queries, as opposed to the 'data warehouse' type query of now.

NW noted that AstroGrid will be associating 1XMM and WFS data catalogues to enable target sample X-ray/optical associations id's.

NW suggested that for the AVO SWG Hi-z case that photometric redshift applications be made available, together with spectral access (exploiting IVOA work on the Simple Spectral Access protocol.

AR noted that issues related to addressing galactic Orion science could be considered for the Jan 2004 demo. Likewise, more data should be included for the GOODS HDF-N field. Orion - look at issues here for Jan.

AL noted that the NVO are planning their Jan 2004 demo which will involve simulated globular cluster data being compared with observational datasets.

It was AGREED that the registry and data access layer could be two key interoperability areas addressed by the Jan 2004 AVO demo.

MD presented an overview [ppt slide] of how the current science cases related to AVO WA's and IVOA WG's

[ACTION 05-14/05/03: FG/AR/PR] assess IDHA/Aladin tree node issues (data inclusion) for the Jul 03 demo.

[ACTION 06-14/05/03: NW/MD] List priorities for Jul demo development activities by 23 May 2003.

[ACTION 07-14/05/03: PB] Arrange a SWG telecon end June 2003 to gain feedback on the Jan SWG report (being prepared by NAW for June 2003) and look forward to Jul 03 and Jan 04 demos. The SWG need to set science case priorities for the Jan 2004 demo.

Item 7 AVO/IVOA Activities: PQ

Item 7a AVO effort in the IVOA

PQ noted that there is a need to ensure that the AVO delivers what it has said it will deliver in its project proposal and plan to the EU.

As far as possible AVO activities within the IVOA should be consistent with the priorities of the project. Where-ever possible the AVO should input into the IVOA to ensure that AVO priority areas which require e.g. Standard development, are being addressed.

PQ/NW noted that standards developed within the IVOA need to support the AVO's ability to deliver capabilities relevant to our community.

MD produced a breakdown of current AVO staff effort being devoted to IVOA activities, the level is now ~2FTE (but this includes non-AVO funded effort from AVO partners such as CDS, JBO and AstroGrid).

[ACTION 8-14/05/03: WPM's and WAM's] Review level and relevance of work carried out in their area in the IVOA context.

Item 7b IVOA Meetings

PQ noted that the next IVOA meeting will be held at the IAU in Sydney on Jul 23 2003. PQ will send an email requesting agenda items.

Item 7c IVOA s/w license

The AVO Exec AGREED that the AVO project will adopt the license as circulated in draft form by MD

Item 8 AOB: PQ

Item8a GRIDSTART

PQ reported that the AVO participation in the EU FP5 GRIDSTART project was proving to be less productive than originally hoped.

The AVO Exec AGREED that, in order to minimise loss of effort to the project, that the AVO would withdraw from the GRIDSTART project as soon as possible interactions

[ACTION 9-14/05/03: PQ] Write to GRIDSTART to indicate AVO's withdrawal from that project.

Item 9 Next Meeting;PQ

The next meeting would be held Spe/Oct 2003 at a date and location TBD.

[**ACTION 10-14/05/03: PQ**] Organise next AVO Exec meeting.

ACTION SUMMARY

ACTION number	Description	Owner	Due by
01-14/05/03	Issue report of the SWG Jan 20/21 2003 meeting by June 2003	NW	01/06/03
02-14/05/03	Poll the SWG as to feedback on use of the AVO 1 st light demo product.	NW	01/06/03
03-14/05/03	As a first test of AVO network connectivity, the case of data from of WFCAM data between IoA and ESO should be analysed, for sustained transfer rates, reliability etc.	AL/PQ	01/06/03
04-14/05/03	Generate a timeline for the updates to the demo, and resource implications concerning updates to the tutorial materials.	MD	01/06/03
05-14/05/03	assess IDHA/Aladin tree node issues (data inclusion) for the Jul 03 demo.	FG/AR/PR	01/06/03
06-14/05/03	List priorities for Jul demo development activities by 23 may 2003.	NW/MD	23/05/03
07-14/05/03	Arrange a SWG telecon end June 2003 to gain feedback on the Jan SWG report (being prepared by NAW for June 2003) and look forward to Jul 03 and Jan 04 demos. The SWG need to set science case priorities for the Jan 2004 demo.	PB	30/06/03

08-14/05/03	Review level and relevance of work carried out in their area in the IVOA context.	WPM's and WAM's	01/09/03
09-14/05/03	Write to GRIDSTART to indicate AVO's withdrawal from that project.	PQ	01/06/03
10-14/05/03	Organise next AVOPQ Exec meeting.	PQ	01/06/03

