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8 Apr 2004: 15.00 - 16.00 GMT

Notes: NAW

Draft 8 Apr 2004

Present:

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Bob Hanisch	<hanisch@stsci.edu>	BH	NVO
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Andrew Lawrence	<al@roe.ac.uk>	AL	AstroGrid
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Tony Linde	<tol@star.le.ac.uk>	TL	AstroGrid
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Reagan Moore	<moore@sdsc.edu>	RM	NVO
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Peter Quinn	<pjq@eso.org>	PQ	AVO
David Schade	<David.Schade@nrc.ca>	DS	CVO
Ethan Schreier	<schreier@stsci.edu>	ES	NVO
Nic Walton	<naw@ast.cam.ac.uk>	NW	AstroGrid
Rachael Webster	<rwebster@physics.unimelb.edu.au>	RaW	Australia-VO
Roy Williams	<roy@cacr.caltech.edu>	RW	NVO

Apologies:

Istvan Csabai	<csabai@ludens.elte.hu>	IC	HVO
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Glossary

AstroGrid - UK VO initiative	<a href="http://www.astrogrid.org">www.astrogrid.org</a>
Aus-VO - Australian Virtual Observatory	<a href="http://www.aus-vo.org">www.aus-vo.org</a>
AVO - Astrophysical Virtual Observatory	<a href="http://www.euro-vo.org">www.euro-vo.org</a>
AVO - AVO Science Working Group	
CDS - Centre de Données Astronomiques de Strasbourg	<a href="http://www.cdsweb.u-strasbg.fr">www.cdsweb.u-strasbg.fr</a>
China-VO - Chinese Virtual Observatory	<a href="http://www.china-vo.org">www.china-vo.org</a>
CVO - Canadian Virtual Observatory	
DRACO - The Italian Datagrid for Research in Astrophysics and Coordination with the Virtual Observatory	
F-VO - French VO	
GAVO - German Virtual Observatory	<a href="http://www.g-vo.org">www.g-vo.org</a>
GSC - UK Grid Steering Committee	
VO-India - Indian Virtual Observatory	
JVO - Japanese Virtual Observatory	<a href="http://jvo.nao.ac.jp/index-e.html">jvo.nao.ac.jp/index-e.html</a>
KVO - Korean Virtual Observatory	<a href="http://kvo.kao.re.kr">kvo.kao.re.kr</a>
NVO - National Virtual Observatory	<a href="http://www.us-vo.org">www.us-vo.org</a>
PDS - AAS Division of Planetary Sciences	
RVO - Russian Virtual Observatory	<a href="http://www.inasan.rssi.ru/eng/rvo/">www.inasan.rssi.ru/eng/rvo/</a>

IVOA - International Virtual Observatory Alliance

0. Review of open action items from previous meetings and their new status

ACTION FM4-7.3.2 DS/PQ: produce a position paper on issues related to data quality and data provenance.

ONGOING: DS has produced and circulated a draft of this paper. PQ will be continuing this in the near future. All input welcome. To be tabled at InterOp2004.

ACTION FM7-4.1A PQ/ES/DS: develop a paper that defines what interfacing to a VO means from the point of view of a large project. Cases studies to include OWL, LOFAR etc.

ONGOING: PQ had started discussions with a number of large projects such as ALMA. DB has also provided input from Australia. PQ will produce a draft for the May interop meeting.

ACTION FM8-0A TL to circulate link to definitive IVOA draft license.

ONGOING: Email discussion has tended to indicate that the IVOA will provide pointers to possible licenses, to allow national projects to make their choices. General consensus is to follow Open Source principles.

PQ: Possible issues raised by Szalay

ACTION FM9-0 ML - add 'participation paper' doc to the 'about IVOA' section of the web site

CLOSED:

ACTION FM9-3A ML and WG Chairs: ensure full availability of IVOA WG drafts and agreed standards on the IVOA wiki and web site.

ONGOING: PQ: see discussion under item 6 - IVOA documents

ACTION FM9-3B WG Chairs: provide PQ (by end Feb 2004) with an update of timetable for document and std development timelines.

CLOSED: PQ: email sent out early March. Input now available for VOQL, DAL, Registry. Thus main input required for the Roadmap.

DM, UCD, GS/WS, VOTable updates still required for developments in the next 12-24 months.

PQ: Plenary session on the Roadmap to occur at InterOp2004.

Discussion - Data Model 0.9 input required for the jan 2005 demos.

New action ...

ACTION TM10-0A: PQ to send out email to the WG Chairs that they need to return roadmap input to PQ by end April. (Followup on ACTION FM9-3B)

ACTION FM9-3.1 RW - provide and upload UCD report to ML.

ONGOING: UCD 1+ paper is being produced at CDS - this will be forwarded to ML before InterOp2004.

ACTION FM9-3.2A Doug Tody: progress the DAL SSA std to v0.9 (thus implementable) by 1 Apr 2004.

ONGOING: To be agreed at InterOp May 2004. Draft discussions occurring now.

ACTION: FM9-3.3A JM: v0.9 DM std is required by 1 May 2004

ONGOING: To be agreed at InterOp May 2004. Draft discussions occurring now.

ACTION: FM9-3.3B WG Chairs: understand their WG area interactions with the Data Model (this includes the PQ/DS effort on data quality).

ONGOING:

ACTION FM9-3.5: issue registry harvesting std (schema) v0.9 by 1 Sep 2004.

ONGOING:

ACTION FM9-3.6 BH: bring forward a recommendation and process to allow the accurate recording of authorship of stds documents.

CLOSED:

ACTION FM9-5 PQ, BH, NW: generate a revised Roadmap by end March 2004.

ONGOING: initial draft available - to be complete for presentation at May Interop 2004

ACTION: FM9-7.1A PQ: to contact Roy Williams and WG Chairs to initiate team (architecture) to report back 5/2004 interop meeting

CLOSED: Done - discussion scheduled for Sun 23/5 evening.

RW: would be glad for input into the current 0.1 draft. RM volunteered to review the document.

AL: this document needs to encompass elements of the VO system where stds work is required. Feeds into the roadmap generation.

ACTION: FM9-7.1B: ML - setup an architecture mailing list

CLOSED: Done

ACTION FM9-7.2 Guy Rixon - GRID/WS WG should assess whether this (IAA) is more appropriate for consideration in that WG. Plan discussions for May interop 2004.

CLOSED: Initial assessment made - IAA included in the terms of reference for the GS/WS WG. Item to be topic at InterOp2004

ACTION FM9-7.3 Guy Rixon - GRID/WS WG should assess whether this (Virtual Storage) is more appropriate for consideration in that WG. Plan discussions for May interop 2004. .

CLOSED: Initial assessment made - Virtual Storage included in the terms of reference for the GS/WS WG. Item to be topic at InterOpMay2004

ACTION: FM9-7.4 Tom McGlynn to form an Applications Interest Group.

CLOSED: Apps-IG being formed. First meeting at InterOpMay2004.

ACTION: FM9-7.5 Gerard Lemson to form the Theory Interest Group.

CLOSED: Theory-IG being formed. First meeting at InterOpMay2004.

ACTION FM9-8.2 NW: contact WG Chairs re GGF Astro-RG interaction.

ONGOING: Next GGF June 2004. Discussion Item at InterOpMay2004 - Plenary Session.

ACTION FM9-9: PQ to circulate times for Apr 6 IVOA meeting.

CLOSED: This meeting now 8 Apr.

ACTION FM9-10 ALL: Send to PQ ideas for engaging PhD students in the context of the VO and the IVOA.

ONGOING:

1. Roll Call

The participants - as listed above - introduced themselves.

1.1 Previous minutes.

Notes from telecon 2004-01-29 - at  
<http://www.ivoa.net/internal/IVOA/IvoaRepMin/ivoa-tm9-20040129.pdf> -  
AGREED

## 2. Reports from the VO Projects

### 2.1 AVO

PQ: New posts coming on line at ESO to kick start the Euro-VO Facility Centre activity.

At the OECD Global Science forum meeting 6 Apr 2004 in Washington. AL and PQ gave related talks on the VO and IVOA. Stressed that these activities are important. Feedback has been positive. Paper for the OECD written by Hanisch, Lawrence, Quinn on the IVOA has been uploaded to the IVOA wiki.

### 2.2 China

CC: Interface to OpenOffice spreadsheet to input/output VOTable will be release at the InterOpMay2004 meeting.

New funding has been won from the Science Foundation in China from Q3 2004.

IAU VO sponsored meeting in China (same date as the InterOp Oct 2004 Pune meeting) will be attended by reps from at least China, RVO, AstroGrid.

### 2.3 India-VO

AK: Upgrades to VOPLLOT. Developing data access, database system for a national opt/ir observatory.

### 2.4 CVO

DS: New java programmer hired early 2004. Two new grad students working on VO activities.

Content (e.g. from SDSS, CFHT Mosiac cameras) being included into CVO database system.

Collaborating with Gemini on VO compliance for the Gemini Science Archive.

### 2.5 F-VO

FG: 3 year funded programme. Web site now active.

Working closely with TeraPix.

Training seminars to be organised in France later in year

### 2.6 JVO

MO: After Jan 2004 IVOA meeting, JVO have been demonstrating the upgraded JVO prototype. Employs GT3 - performance is much improved (c.f. GT2

based system).

Funding - two proposals have been accepted (USD 0.3M travel funding for 2 yrs and a further tranche of money for development over 2 years). This will enable upgrades of the prototype for production use.

## 2.7 NVO

BH: working on simplifying registry schema. Query language development - based on sky node.

Various standards work on Resource Metadata, DAL, Image access protocols, and spectra access protocols.

Plans announced for Aspen Sept summer school (40 people). Support funding available. Interest has been expressed by non-US participants. Perhaps some possibility for non USA attendance.

Science steering committee being formed.

## 2.8 RVO

OM: Will attend China meeting Sept.

Begin June astronomy conf, in Moscow, a session on real and virtual observatories. Talks from France and Bulgaria.

RVO/ Bulgaria activity to scan and curate legacy image plates.

## 2.9 Astrogrid

AL: S/w components being developed. Now moving to deploy these components, in a working system allowing real data access over the AstroGrid partner data centres.

## 2.10 Australia-VO

Progress made on long term funding. 2-3 positions to be funded for 3 yr through APAC (computing partnership) to work on data warehousing.

With Gemini (Australia office), 2 positions to be made for 2 yrs starting summer 2004 to allow VO enabling of Gemini science data archives.

A programmer has been working on a dedicated VO portal - prototype available through the Aus-VO web page.

## 3. Interoperability meeting in May - status - news from WGs

BH: Web site available at  
<http://www.ivoa.net/twiki/bin/view/IVOA/InterOpMay2004>

Registration at <http://hea-www.harvard.edu/IVOA/registration.html>

Schedule is available, with initial session evening of Sun 23 May 2004.

BH can arrange letters of invitation for visa purposes if required.

BH: Local organiser chair is Rick Harnden <frh@head.cfa.harvard.edu> at CfA.

BH: Will issue location and times for sessions Sun evening (WG Chairs and then the Architecture meetings).

#### 4. Planning for IVOA Exec in June and Summer interop in India

4.1 June meeting: Will occur (all day) Weds 23 June 2004 at the Glasgow SPIE. Reports from WG chairs, based on InterOp meeting to be presented.

4.2 InterOp Oct 2004 in Pune, India. This will be 27 Sep - 1 Oct 2004. To be combined with a regional meeting and IVOA Exec meeting.

PQ: 2.5 day InterOp meeting (Mon/Tue/Weds a.m.), Weds p.m. for free, Thu/Fri for a Regional Meeting and then a 2 day regional meeting.

AK: will need a list of people expecting to attend (helps in putting in funding support requests).

PQ: Attendees will be self supporting. Would be good to avoid registration fees.

NW: FG, NW, BH will help as LOC for the InterOpOct2004

ACTION TM10-4.2: NW to provide ivoa.net wiki page link to AK for InterOpOct2004.

#### 5. IVOA event planning for 2005

PQ: Ideas:

Exec meetings start and end of year with two InterOp meetings as well. Pattern as for 2002, 2003. Possibility of an Exec meeting in Japan 2005.

AL: Will take over role of IVOA Chair in June 2004.

TL: Perhaps have one of the InterOps to demonstrate working implementations based on IVOA standards.

NW: perhaps the Oct ADASS is this.

PQ: need to consider the next major VO science meeting - perhaps in 2005.

AL: Now is slightly too early to decide on dates for a high profile VO science conference at this stage.

NW: plan - 2005 - technical meeting - aim for VO science symposium (IAU symp) at the IAU General Assembly in Prague 2006. late 2005 could

see some regional VO science workshops, small meetings in prep for the IAU Gen Assembly.

ACTION TM10-5 FG/NW - look at steps required to get IAU Symp approval for 2006 meeting.

BH: Jan 2005 AAS meeting - a VO science session at this meeting. Proposal due by mid May.

#### 6. IVOA documents - agreement on document formats

BH: working with MD and ML on how to best manage the document site. A guidelines document has been written which provides guidance on how to manage a stds document - and delineates responsibilities of the key stakeholders (document coordinator, WG chairs, author, etc).

There is some debate over the new guidelines (version control, etc).

Agreed that HTML is the basic format for IVOA documents (with Word .doc also acceptable for exchange of drafts).

Need to ensure that the contents of the documents are the responsibility of the authors. That the document coordinator does not have to become involved with copy editing per se.

Policy to be concluded by may InterOp

#### 7. AOB

7.1 AS raised the issues of licenses. Need to worry about possibly creating barriers to use of others code dependent on the type of license that individual project use.

ACTION TM10-7.1 PQ: Raise license discussion as an agenda item at the June IVOA Exec meeting.

#### 8. New (at end of list) and Outstanding Action Item Review

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GMT 16:30 - Close of telecon

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