

**IWOA Exec Meeting: FM84**  
**Sunday, May 12, 2019**

Notes: FC

Original: May 18, 2019

Updated MA: May 24, 2019

Updated CA: May 30, 2019

Distribution to [exec@ivoa.net](mailto:exec@ivoa.net)

**Present:**

Mark Allen	mark.allen@astro.unistra.fr	MA	Exec Chair, Euro_VO
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Bruce Berriman	gbb@ipac.caltech.edu	BB	USVOA/NAVO
Francesca Civano	fcivano@cfa.harvard.edu	FC	Secretary, USVOA CfA
Chenzhou Cui	ccz@bao.ac.cn	CC	Exec V Chair, China- VO
Markus Demleitner	msdemlei@ari.uni-heidelberg.de	MD	GAVO
Patrick Dowler	patrick.dowler@nrc-cnrc.gc.ca	PD	TCG Chair
Janet Evans	<a href="mailto:janet@cfa.harvard.edu">janet@cfa.harvard.edu</a>	JE	TCG V Chair
Pepi Fabbiano	gfabbiano@cfa.harvard.edu	PF	USVOA/CfA
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David Schade	davidschade@gmail.com	DS	CVO
Mauricio Solar	msolar@inf.utfsm.cl	MS	ChiVO
Fabio Pasian	pasian@oats.inaf.it	FP	VObs.it

TCG members attending for items in the Agenda 1 to 7: Tom Donaldson, Raffaele D'Abrusco, Marco Molinaro, James Dempsey, Mark Cresitello-Dittmar, Laurent Michel, Brian Major, Giuliano Taffoni, Theresa Dower, Pierre Le Sidaner, Markus Demleitner, Andre Schaaff, Heindrik Heinl, Kai Lars Polsterer, Matthew Graham, Tom McGlynn, Mark Taylor, Baptiste Ceconi, Steve Joy, Carlos Rodrigo, Ada Nebot, Dave Morris, Mireille Louys

**Glossary:**

NOVA – Argentina Virtual Observatory	<a href="http://nova.conicet.gov.ar">http://nova.conicet.gov.ar</a>
ArVO – Armenian VO	<a href="http://www.aras.am/Arvo/arvo.htm">http://www.aras.am/Arvo/arvo.htm</a>
AstroGrid – UK VO initiative	<a href="http://www.astrogrid.org">http://www.astrogrid.org</a>
ASVO – Australian All-Sky Virtual Observatory	<a href="http://aus-vo.org.au/">http://aus-vo.org.au/</a>
BRAVO – Brazil Virtual Observatory	<a href="http://www.lna.br/bravo/">http://www.lna.br/bravo/</a>
China-VO – Chinese Virtual Observatory	<a href="http://www.china-vo.org">http://www.china-vo.org</a>
ChiVO – Chile Virtual Observatory	<a href="http://www.chivo.cl">http://www.chivo.cl</a>
CVO – Canadian Virtual Observatory	<a href="http://www1.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/cvo/">http://www1.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/cvo/</a>
ESA – European Space Agency	<a href="https://www.cosmos.esa.int/web/esdc">https://www.cosmos.esa.int/web/esdc</a>
Euro-VO – European Virtual Observatory	<a href="http://www.euro-vo.org">http://www.euro-vo.org</a>
GAVO – German Astrophysical Virtual Observatory	<a href="http://www.g-vo.org">http://www.g-vo.org</a>
HVO – Hungarian Virtual Observatory	<a href="http://hvo.elte.hu">http://hvo.elte.hu</a>
JVO – Japanese Virtual Observatory	<a href="http://jvo.nao.ac.jp/index-e.html">http://jvo.nao.ac.jp/index-e.html</a>
OV-France – VO-France	<a href="http://www.france-vo.org">http://www.france-vo.org</a>
RVO – Russian Virtual Observatory	<a href="http://www.inasan.ru/eng/rvo/">http://www.inasan.ru/eng/rvo/</a>
SA <sup>3</sup> – South Africa Astroinformatics Alliance	<a href="http://www.sa3.ac.za">http://www.sa3.ac.za</a>
SVO – Spanish Virtual Observatory	<a href="http://svo.cab.inta-csic.es">http://svo.cab.inta-csic.es</a>
UkrVO – Ukraine Virtual Observatory	<a href="http://www.ukr-vo.org/">http://www.ukr-vo.org/</a>
USVOA – US Virtual Observatory Alliance	<a href="http://usvoa.cfa.harvard.edu">http://usvoa.cfa.harvard.edu</a>
VO-India – Indian Virtual Observatory	<a href="http://vo.iucaa.ernet.in/~voi/">http://vo.iucaa.ernet.in/~voi/</a>
VObs.it – The Italian Virtual Observatory	<a href="http://vobs.astro.it/">http://vobs.astro.it/</a>
IVOA – International Virtual Observatory Alliance	<a href="http://www.ivoa.net">http://www.ivoa.net</a>

**Agenda:**

1. Roll Call and Agenda
2. Minutes of TM83
3. Review of Exec Actions
4. Project Reports [Significant Events Only]
5. Overall TCG Status
6. Approval of new IVOA Recommendation(s) [Standing Item]
7. Overall CSP status
8. Review terms up for expiration in May
  - DataModel : Mark Cresitello-Dittmar - Ch (no ext.), Laurent Michel (no ext.)
  - GWS: Brian Major - Ch (no ext.), Giuliano Taffoni - VCh (no ext.)
  - Semantics: Mireille Louys - Ch (no ext.)
  - Theory: Carlos Rodrigo (1 yr. ext.)
  - Ops: Tom McGlynn - Ch (no ext.), Mark Taylor (no ext.)
  - Time Domain : D. Morris - VCh (1 yr. ext.)
9. Requested Item: CAOM – David Schade

### 1. Roll Call and Agenda

- The participants' names were recorded.

### 2. Minutes from TM83

- The minutes from TM83 were accepted.

### 3. Review of Exec Actions

ActionTM83-1: MA email IVOA team for Chair and Vice Chair openings. **DONE**

ActionTM82-4: MA call for proposal for groups chairs and Vice Chairs **DONE**

ActionTM82-5: MA Draft email for NASA/NSF representatives to be invited to the IVOA Spring Interop and circulate to GF and BB - **POSTPONED**

ActionTM81-1: BB – Consult Marcy Harbut about joining the Media Group and make contact with Deborah Baines to be added; **moved to WED meeting**

Action TM 78-11: PD/JE – Discuss/recommend some concrete steps with regard to models of working with Python and the Open Source Community after consultation with the TCG - **DONE**

Action TM75-6: FG – Initiate outline for a VO paper; Identify list of authors – CA/PF/FP made initial offers; **Working**

ActionFM80-5: MA – Name and definition of the WG; follow-up with M Wise - Working; PW offered to help. **moved to WED meeting**

### 4. Project Reports [Significant Events Only]

- Status reports have been received for most projects, and MA calls for the set of reports to be as complete as possible for the May Interop meetings
- MA: All IVOA member projects have been contacted to indicate their status. Many projects have uploaded reports to the meeting page, and in some cases this has led to updates of the web page links on the IVOA pages.
- FG: will present the status of FRANCE VO in her talk during plenary session of the Interop meeting.
- TJ: LSST has had a review of its science platform and the use of VO standards was endorsed positively.
- CA: ESA continues to use VO standards for all its current and future space science astronomy archives (eg Gaia, Euclid, ...). New Euro-VO Registry Portal is in final beta version and should be released soon after the interop meeting.
- GF: papers for the US decadal review have been written about data discovery and the use of VO tools, and these have received very positive feedback from the astronomical community
- MA: in Euro-VO, the ASTERICS project is finishing and the ESCAPE project is just starting. ESCAPE Work Package 4 follows on from the ASTERICS DADI activities related to VO.

- CC: Educational working group in the China\_VO is making a lot of progress; see project status report
- MA: two IVOA tutorials were presented at last ADASS meeting in College Park and a paper about the status of IVOA was written and posted on arxiv <https://arxiv.org/abs/1903.06636>

## **5. Overall TCG status**

PD: extensive DM work in the past year; minor updates on many standards which is a sign that IVOA is a mature project; the current priorities are mainly being driven by projects as many groups are now using VO tools/standards so there is the need to keep updating and maintaining them. Authorization and Authentication: support to allow interoperability using off-the-shelf internet standards. Provenance DM: there are difficulties to get this completed, the action of this meeting is to finalize the document. Recently there have been 4 Accepted errata and 1 IVOA note. There are currently three standards at the Proposed Recommendation phase, with expectation for two of these to soon be complete.

## **6. Approval of new IVOA Recommendation**

## **7. CSP status – Bruno Merin**

- 3 telecons held in the last six months
- review of priorities that need to be turned into actions, including time domain, multi-dimensional data and Astropy hackathon.
- A focus plenary session was organized for this meeting to get input and news from the upcoming projects: what are their needs and how the IVOA standard can support these projects and the science cases that drive the future development of standards?
- CSP dinner organized after plenary session to continue discussion and fill in the table created by JE with CSP inputs
- The hackathon will be described to team before it starts and a summary will be given at the end of the interop meeting

MA: acknowledges and supports the Astropy hackathon which is an important experiment for the relationship between IVOA and Astropy

## **→ TCG leaving the meeting**

## **8. Review terms up for expiration in May**

A discussion was held on the status of the nominations received for the open WG and IG Chair and Vice Chair positions.

## **9. Requested Item: Common Archive Observation Model – David Schade**

CADC proposed to produce an IVOA Note regarding the Common Archive Observation Model (CAOM), developed initially at CADC and now evolving with the participation of a number of operationally-engaged partners (e.g., MAST@STScI, IRSA@IPAC, LSST, East Asian Observatories, and ESAC). The purpose of the Note would be to share this work more widely and to invite broader participation from IVOA membership. CADC would like the IVOA Note to go through the process of Endorsement managed by TCG and finalized by Executive.

CADC intends to gather input and submit a substantial draft note at the Northern 2019 Fall meeting and would like to pursue recommendation by Exec at the Northern Spring meeting 2020. The significance of this, and the reason to inform Exec now, is that CAOM represents very significant DM work that is in the process of being adopted by more major data providers and it is work that can and should be integrated with the work done within IVOA. One of the fundamental goals of CAOM is to maintain the ability of CAOM to support IVOA data models (obscore) and IVOA services (SIA, datalink, soda, tap) as CAOM and these models and services evolve into the future. This is why we seek endorsement by the IVOA.

MA: approving a “de facto” standard as a note would set a precedent in the IVOA that would allow other DM to ask for this fast process. It would be better to go through the standard process for making CAOM an IVOA standard.

PD/GF/others: There are several examples of standards that were built outside the IVOA and then brought in and became standards quite quickly like SAMP, MOCs and also HIPS.

**Meeting Closed (18h30)**