

# IVOA Exec Meeting: TM112



7 May 2023, 14:00 UTC (16:00 CEST)

Hybrid Meeting: Bologna, Italy and Zoom

Notes: MH

Original: 7 May 2023—Initial Draft

Updated:

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

## Present

Exec:

Initials	Remote	Name	Institution	Email Address
AN		Ada Nebot	CSP Chair	ada.nebot@astro.unistra.fr
BB	x	Bruce Berriman	USVOA/NAVO	gbb@ipac.caltech.edu
CA		Christophe Arviset	ESA, Exec Chair	christophe.arviset@esa.int
CC	x	Chenzhou Cui	China-Vo	ccz@bao.ac.cn
CO	x	Chingis Omarov	KazVO	chingis.omarov@gmail.com
DF		Dongwei Fan	China-VO	fandongwei@nao.cas.cn
FL		Franck Le Petit	OV-France	Franck.LePetit@obspm.fr
FP		Fabio Pasian	VObs.it	Fabio.pasian@inaf.it
JE		Janet Evans	TCG Chair	janet@cfa.harvard.edu
JW		Joachim Wambsganss	GAVO	jkw@ari.uni-heidelberg.de
MA		Mark Allen	Euro_VO	mark.allen@astro.unistra.fr
MH	x	Marcy Harbut	USVOA/NAVO, Exec Secretary	mharbut@ipac.caltech.edu
MM		Marco Molinaro	TCG Vice-Chair	marco.molinaro@inaf.it
OM	x	Oleg Malkov	Russian VO	malkov@inasan.ru
PD		Patrick Dowler	CVO and Standards and Processes Chair	patrick.dowler@nrc-cnrc.gc.ca
PF		Giuseppina Fabbiano	USVOA/SAO	gfabbiano@cfa.harvard.edu
SO		Simon O'Toole	ASVO, Exec Vice-Chair and Theory Chair	simon.otoole@mq.edu.au

Working and Interest Group Representatives:

Name	Remote	WG/IG	Role
Adrian Damian		Applications	VC
Anne Rough		Solar System	Chair

<b>Name</b>	<b>Remote</b>	<b>WG/IG</b>	<b>Role</b>
Baptiste Cecconi		Solar System	VC
Carlo Maria Zwölf	x	Semantics	VC
Dave Morris		Grid and Web Services	VC
Francesca Civano	x	CSP	VC
François Bonnarel		Radio	VC
Gilles Landais		Data Curation and Preservation	Chair
Giuliano Taffoni		Grid and Web Services	Chair
Grégory Mantelet		Data Access Layer	VC
Gus Muench	x	Data Curation and Preservation	VC
Hendrik Heinl		Education	Chair
James Dempsey		Data Access Layer	Chair
Jesus Salgado		Data Model	VC
Laurent Michel		Data Model	Chair
Mark Cresitello-Dittmar		Time Domain	VC
Markus Demleitner		Semantics	Chair
Mark Lacy	x	Radio	Chair
Mark Taylor		Operations	Chair
Pierre Le Sidaner		Applications	Chair
Raffaele D'Abrusco		Knowledge Discovery	Chair
Renaud Savalle		Registry	Chair
Shanshan Li	x	Education	VC
Steve Groom	x	Operations	VC
Tess Jaffe		Registry	VC
Yihan Tao		Knowledge Discovery	VC

## Glossary

<b>Acronym</b>	<b>Institution Name</b>	<b>Institution Website</b>
ArVO	Armenian Virtual Observatory	<a href="https://www.aras.am/Arvo/arvo.htm">https://www.aras.am/Arvo/arvo.htm</a>
AstroGrid	UK VO initiative	<a href="http://www.astrogrid.org">http://www.astrogrid.org</a>
ASVO	Australian Virtual Observatory	<a href="https://asvo.org.au/">https://asvo.org.au/</a>
BRAVO	Brazil Virtual Observatory	<a href="http://bravo.iag.usp.br/">http://bravo.iag.usp.br/</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="https://chivo.cl/">https://chivo.cl/</a>
CVO	Canadian Virtual Observatory	<a href="https://www1.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/cvo/">https://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="https://www.g-vo.org/">https://www.g-vo.org/</a>
JVO	Japanese Virtual Observatory	<a href="http://jvo.nao.ac.jp/index-e.html">http://jvo.nao.ac.jp/index-e.html</a>
KazVO	Kazakhstan Virtual Observatory	<a href="https://fai.kz/projects/virtobs">https://fai.kz/projects/virtobs</a>
NLVO	Netherlands Virtual Observatory	<a href="https://www.virtualobservatory.nl/">https://www.virtualobservatory.nl/</a>

Acronym	Institution Name	Institution Website
NOVA	Argentina Virtual Observatory	<a href="https://nova.conicet.gov.ar">https://nova.conicet.gov.ar</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/organizational-activity/rvo/rvo/">http://www.inasan.ru/organizational-activity/rvo/rvo/</a>
SA3 (or SA <sup>3</sup> )	South Africa Astrominformatics Alliance	<a href="https://sa3.ac.za/">https://sa3.ac.za/</a>
SKAO	Square Kilometre Array Observatory	<a href="https://www.skao.int/">https://www.skao.int/</a>
SVO	Spanish Virtual Observatory	<a href="https://svo.cab.inta-csic.es/main/index.php">https://svo.cab.inta-csic.es/main/index.php</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://voi.iucaa.in/voi/">http://voi.iucaa.in/voi/</a>
VObs.it	The Italian Virtual Observatory	<a href="https://vobs.it">https://vobs.it</a>
IVOA	International Virtual Observatory Alliance	<a href="http://www.ivoa.net">http://www.ivoa.net</a>

## Agenda

1. Roll call and agenda
  - Regrets: PW (SA3), SG (NOVA), CC (Dongwei Fan represented China-VO in Bologna)
2. Review and approval of TM111 Minutes (PDF)
3. Review of Exec Actions for 112 (PDF)
4. Approval of new IVOA Recommendation(s) (Standing Item)
  - MIVOT 1.0
5. IVOA-IAU Liaison Group
6. Overall TCG status and relevant items for the upcoming Interop
7. Overall CSP status and relevant items for the upcoming Interop
8. Renewal of WG/IG Chairs and Vice-Chairs
9. Project Reports (Significant Events Only)
10. IVOA website
  - draft new website available → [here](#)
  - comments on new site available → [here](#)
11. Future Interop Meetings: Northern Fall 2023 (Tucson, Arizona)
12. Review of New Actions

**Next Exec Meeting:** Wednesday, 10 May 2023 at 10:30 UTC (12:30 CEST)

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## Discussion

### 1. Roll Call and Agenda

- The names of the attendees are recorded.

### 2. Review and Approval of TM111 Minutes

The minutes from TM111 were reviewed and accepted.

### 3. Review of Exec Actions for TM112

- **ACTION TM109.4** BB will draft a charter and terms of service for the IVOA-IAU Liaison Committee based **examples** provided by CA. **IN PROGRESS**
  - **Updated actions:** Add Patricia's name as Vice-Chair; BB to update charter draft as discussed in this meeting. **DONE**
- **ACTION TM110.3** Exec members to send CA and SO names of potential candidates for WG/IG expiring terms. **DONE**
- **ACTION TM110.6** Exec will review and comment on the [new draft IVOA website](#) by mid-February. **DONE**
- **ACTION TM111.1** MH to reconcile the list of projects in the Exec and make sure they're reflected in the meeting notes template **IN PROGRESS**
- **ACTION TM111.2** MH to write official wording on removal of HVO for the official minutes. **DONE**
- **ACTION TM111.3** CA to contact CC about removing the HVO logo from IVOA website. **DONE**
- **ACTION TM111.4** CA: Request that each Exec member produce one slide from their respective project report for the May 2023 Interop State of the IVOA presentation. **DONE**
- **ACTION TM111.5.** YG to follow up with Klaus on the status of each item on the IVOA website checklist. **IN PROGRESS**
- **ACTION TM111.6** CA to find and organize a review session of the IVOA website at the Bologna meeting. **DONE**

#### 4. Approval of new IVOA Recommendation(s) [Standing Item]

- MIVOT 1.0: The record reflects that a majority of IVOA Exec members approve the recommendation.

#### 5. Overall TCG Status and Relevant Items for Upcoming Interop

- See [Interop agenda](#)

#### 6. Overall CSP Status and Relevant Items for Upcoming Interop

- See [Interop agenda](#)
- All recommendations and endorsed notes should be published on ADS (where they get a DOI) and into FAIRSharing. MA mentioned that having them into FAIRSharing is important as it is being looked at by the European Commission as an output of VO-related projects the Commission is funding (i.e., recent ESCAPE project). There should be a review/audit of the list from the past year.
  - The TCG should make sure they are entered into FAIRSharing by comparing its contents to ADS and noting the discrepancies.

- **New Action** assigned to PD to review the list of recently approved IVOA Recommendations and Endorsed Notes, and check they have both been properly entered into ADS and FAIRSharing.

## 7. IVOA-IAU Liaison Group

- CA summarized the situation of the groups in this context which are:
  1. An already existing IAU Functional Working Group under Division B (Facilities, Technologies, and Data Science), for which we would like to create an Organizing Committee to increase its visibility in the IAU. BB drafted the charter for it.
  2. An IVOA-IAU Liaison Group, to coordinate activities and promote cooperation with the IAU, chaired by BB and for which we should finalize its charter.
- GBB sent the draft terms of reference for the Organizing Committee of the IAU Functional Working to Giovanni, the President of IAU Division B, who endorses the proposal with a recommendation that committee members should be involved in the broader activities of the IAU.
  - Staffing for the committee is to be determined.
  - We have submitted a proposal for a focus session for the 2024 General Assembly: “Community Engagement and Open Science in the VO.”
  - A decision on our proposal will be made in late May or early June 2023.
  - BB extends his thanks to PW for her advice and support with drafting the documents. Both documents: 90% completion
- Franck, Marco, Joachim, Mark, Fabio, and Simon are all IAU members.
  - BB says the typical committee size is 5-6 people; WG have considerable latitude to staff them as they see fit.
  - We agreed that we should aim to have 50/50 membership (IVOA:IAU)
  - BB says you do not have to be a fully accredited member; if you’re a member of both IVOA and IAU then you’re a perfect candidate for the liaison group.
- JE: How will this group operate? How will it work and what will we get out of it? Request a paragraph summarizing this.
  - CA: The goal from the IVOA’s POV is to improve our visibility within the IAU and bring what we have to offer to a very broad community in astronomy.
  - The documents BB is drafting will provide more clarity.
- **New Action:** All Exec to send BB and SO the names of potential candidates to serve on the Organizing Committee of the IAU Functional Working.
- **New Action:** GBB to finalize the charter for the IVOA-IAU Liaison Group

## 8. Renewal of WG/IG Chairs and Vice-Chairs

- Dave Morris cannot continue as Grid & Web Services WG VC.
- Mark Lacy will not extend his Radio IG Chair term.
- François Bonnarel could continue as VC but will retire in mid-2024.
- Brent Miszalski cannot continue as Time Domain IG Chair.
- Names of potential candidates have been collected and noted.
- Exec and current WG/IG leadership should engage with candidates at Interop this week to hopefully decide on the new positions at the Wednesday Exec meeting and for CA to announce them publicly at the closing session on Friday.

## 9. Project Reports (Significant Events Only)

- See the end of this document.
- JE mentioned there is real value for the TCG to see and understand the Projects report and to help in the TCG Roadmap. It would really be good if Projects would fill in their main activities there.

## 10. IVOA Website

- Comments on the new website have been entered into the [Twiki page](#); CA has added a summary at the top of the page. Dedicated discussion and feedback took place at the TCG earlier on today, and CA brought to the Exec the main feedback and updated the Twiki page accordingly.
  - The image on the home page could have a rotation of images that represent space and data. To minimize work for the web team, the images would change twice a year before Interop meetings.
  - This would fall under the Media group, which has been relatively inactive; the newsletter hasn't been updated since March 2022.
  - CA suggests sending an email to IVOA Document Coordinator with a list of applications to be added to the website ([VO Applications for Astronomers page](#)).
  - Code of Conduct should be more prominent on the home page.

## 11. Future Interop Meetings: Northern Fall 2023 (Tucson, Arizona)

- Discussion deferred to Wednesday, May 10 Exec meeting.
- Regarding Interop Spring 2024: SO noted Interop 2020 was to be held in Sydney, Australia and was cancelled due to Covid. He suggests Sydney as a 2024 meeting location.

## 12. Review of New Action Items

- **ACTION TM112.1** PD to review the list of recently approved IVOA Recommendations and Endorsed Notes, and check they have both been properly entered into ADS and FAIRSharing.
- **ACTION TM112.2** MH & MM: Remove Notes column in WG/IG Expiring Terms table in public documents: Twiki, Exec meeting notes, etc.
- **ACTION TM112.3** All Exec to send BB and SO the names of potential candidates to serve on the Organizing Committee of the IAU Functional Working.
- **ACTION TM112.4** GBB to finalize the charter for the IVOA-IAU Liaison Group

# Project Reports

## Argentina-NOVA

## ArVO

## **AstroGrid**

### **Australia-VO (ASVO)**

We are currently looking at ways to link better with the various astronomy data centres in Australia, as there are several groups that are not connected to the ASVO (e.g., gravitational waves, theory/simulations).

At this stage, we will be forming an Astronomy Data Coordination Group, which will link with the ASVO. The goal is to broaden the reach of the VO to these other communities and encourage their uptake of the various standards and processes.

### **Node updates**

#### CASDA

- Major hardware refresh including virtualisation of much of our processing layer.
- Minor enhancements of the web interface
- Minor enhancements of the VO services e.g., distance in SIA2 cone search results
- Expanded the DOI metadata shared with [DataCite](#) when minting DOIs
- Publishing RACS and WALLABY project source catalogues in catalog [HiPS](#) format for interactive exploration

#### Data Central

- Redesign of backend data ingestion infrastructure, with greater use of VO protocols
- Implementation of new TAP service at <https://datacentral.org.au/vo/tap> (still to be registered)
- New datasets, including several from MWA (GLEAM-X and LoBES)
- Developing DOI minting infrastructure

## **BRAVO**

## **China-VO**

## **CVO**

## **ESA**

## **Euro-VO**

**France VO**

**GAVO**

**HVO**

**JVO**

**Kazakhstan VO**

**NLVO**

**RVO**

**SA3**

**SKAO**

**SVO**

**Ukraine\_VO**

**USVOA**

- IVOA Roles: TCG Chair – J. Evans, KDD Chair – R. D'Abrusco, TDIG V Chair - Mark CD.
- Pursuing FAIR standards for CfA data: A recent meeting with SMA and NRAO to exchange information on formats and standards; working to map Obscore keywords to SMA Radio data;



also Obscore review and use in Chandra—performed inventory and reviewed if a high energy extension is needed.

- Work on Science Platform IR&D project using Rubin Science Platform application for CfA use—Instatiated the Platform at CfA—coordinating with RSP lead on topics to discuss/resolve before conclusions are made.
- Populating DOIs in Chandra Source Catalog 2.1 production run and migrating previous catalog products (CSC 2.0) to current DOI format.
- Contribute to IVOA DM pursuits: MIVOT 1.0, Spectrum DM RFE, moving forward on Dataset and Transform, which will lead when completed to a data cube model. Data Cube model will support 1-,2-, and 3-dimensional data including the event list used by photon-counting, high-energy projects (e.g., Chandra).
- Initiated HIPs project to automatically produce HIPs for Standard Processing at TBD cadence; thinking about HIPS for the Chandra Source Catalog next.
- All Chairs/V Chairs to TCG & IGs contributed to Interop planning and presentations.

## **VO-India**

## **VObs.it**

## **TCG**