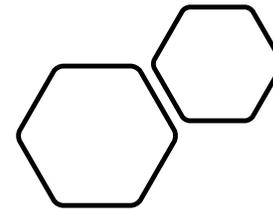
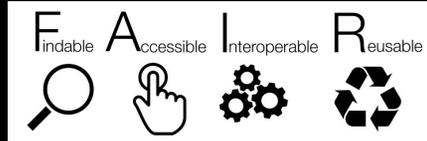


IVOA Closing Address

Virtual IVOA Interoperability Meeting,

October 2022

<https://www.ivoa.net/>



G. Bruce Berriman
Chair, IVOA Executive
Committee
(USVOA/NAVO)

An Excellent Virtual Meeting

- Registrations: 170!
- Many thanks to everyone for attending even at ungodly local hours!
- New standards approved by Exec since last meeting include
 - Measurements 1.0
 - Coordinates 1.0
 - EPN-TAP 2.0
 - Phot DM 1.1

Wednesday Apr 27, 2022				
ZOOM LINK for Wednesday: session complete				
7	5:00	60 min	Grid and Web Services 1	Giuliano Taffoni/Christine Banek / Brent Miszalski
	6:00	Break - 30 min		
8	6:30	60 min	TDIG/Radio/CSP	Ada Nebot/Brent Miszalski/Mark Cresitello Dittmar/Mark Lacy/Francois Bonnarel
	7:30	Break - 6.0 hours		
9	13:30	60 min	Education	Henrik Heinl, Giulia lafrate
	14:30	Break - 30 min		
10	15:00	60 min	Data Model 1	Laurent Michel/Jesus Salgado
	16:00	Break - 4.5 hours		
11	20:30	60 min	Applications	Tom Donaldson/Adrian Damian
	21:30	Break - 30 min		
12	22:00	60 min	Theory	Gerard Lemson/Simon O'Toole
	23:00	End of Session		

IVOA Leadership Positions Appointed Since April 2022

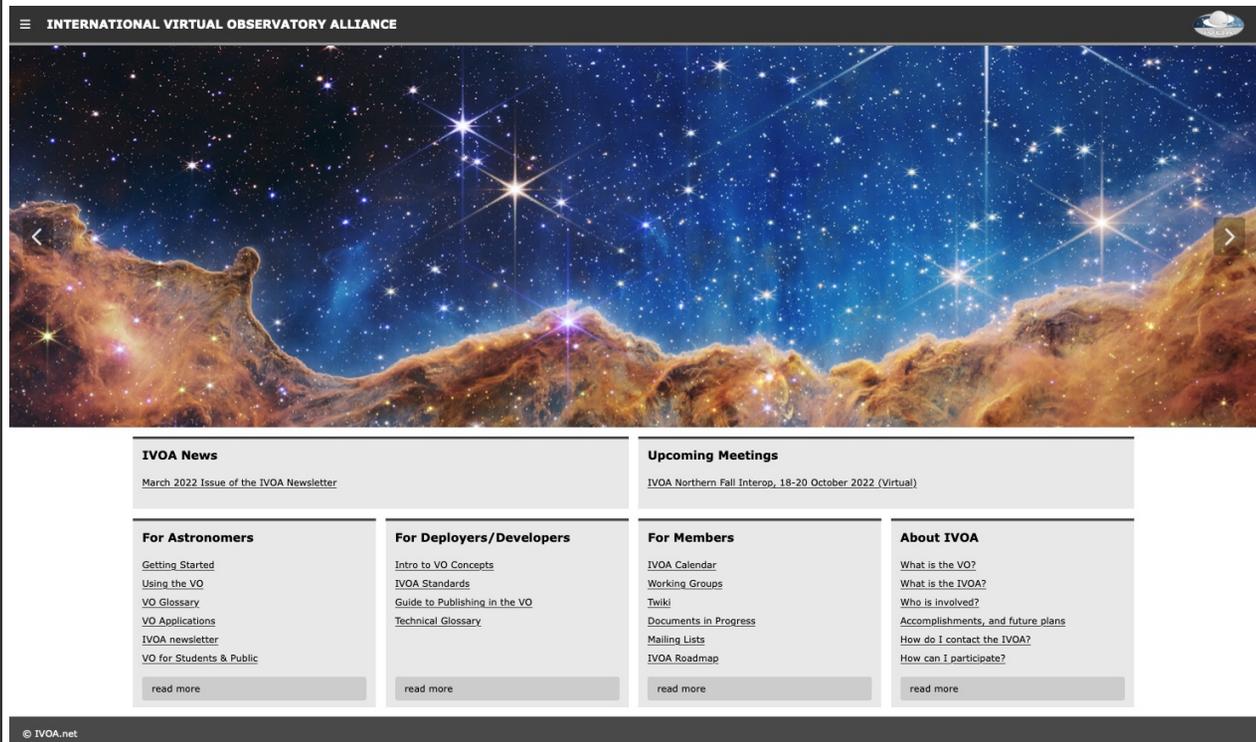
	Chair	Vice-Chair
TCG	Janet Evans	Marco Molinaro
Working Groups		
Applications	Pierre Le Sidaner	Adrian Damian
Data Access Layer	James Dempsey	Gregory Mantelet
Data Model	Laurent Michel	Jesus Selgado
Grid and Web Services	Giulliano Taffoni	Dave Morris
Registry	Renaud Savalle	Tess Jaffe
Semantics	Markus Demleitner	Carlo Maris Zwoelf
Interest Groups		
Data Curation & Preservation	Gilles Landai	Gus Muench
Education	Hendrik Heinl	Shanshan Li
Knowledge Discovery	Raffaele D'Abrusco	Yihan Tao
Operations	Mark Talor	Steve Groom
Radio Astronomy	Mark Lacy	Francois Bonnarel
Solar System	Anne Raugh	Baptiste Cecconi
Theory	Simon O'Toole	OPEN
Time Domain	Brent Miszalski	Mark Cresitello-Dittmar
IVOA Committees		
Exec	Bruce Berriman	S Gaudet (Acting)
Standard and Processes	Patrick Dowler	
Science Priorities	Ada Nebot	Francesca Civano

Special Thanks for A Successful Meeting!

- The Organizers for making it happen!
 - Janet Evans
 - Marco Molinaro
 - WG/IG leads for organizing sessions
 - Hendrik Heinl – Gathertown coordinator
 - Mark Cresitello-Dittmar - Zoom link and recording coordinator
- Italian National Institute for Astrophysics (INAF) for registration/web site
- CANFAR for hosting the recordings.
- CDS for providing Gathertown.
- IVOA Helpdesk (Marco, Pat, Mark T, James, Giuliano, Janet).

A Face Lift for the Landing Page!

Many thanks to Klaas Kliffen and Yan Grange (NL-VO)



IVOA Interoperability Meeting October 2022

Challenges and Opportunities

- VO and FAIR principles
 - IVOA well positioned to support implementation of FAIR standards.
- IAU
 - Proposal to hold Focus Session at IAU General Assembly 2024
- Successful VO In The Cloud Session.

The Next Meeting

- **In person! May 7-12, 2023**
- **Bologna, Italy.** Many thanks to VOItaly for sponsoring.



We even have
a poster!

Special thanks to Simona
Righini and the staff of the
INAF-IRA (Institute for Radio
Astronomy) in Bologna



New Exec Chair!

... to be announced!

Pat Dowler replaces Severin Gaudet as
Acting CADC rep on the Exec.

JJ Kavelaars expects to return March 2023

Please Stay Safe. See everyone in Bologna!

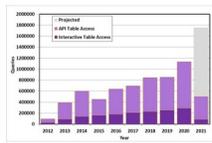
- IVOA Newsletter.
<https://www.ivoa.net/newsletter/index.html>



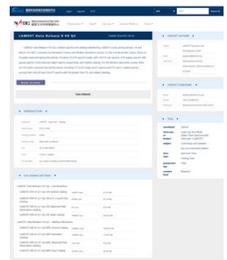
VO APPLICATIONS AND IMPLEMENTATION HIGHLIGHTS

TAP Service at the NASA Exoplanet Archive

Bruce Berriman
 The NASA Exoplanet Archive, operated by the NASA Exoplanet Science Institute at IPAC, has over the past 18 months redesigned its infrastructure to make the data more standardized, easier to access, more complete, and better reflect the scientific progress of the field of exoplanetary astrophysics. As part of this effort, the Exoplanet Archive released new and more comprehensive tables that were underpinned by Python-based nexsciTAP server (<https://github.com/Caltech-IPAC/nexsciTAP>). With the release of the new tables atop the new TAP services in 2020, the NASA Exoplanet Archive saw a noticeable increase in access of the tables by the community. The NASA Exoplanet Archive is now in the process of making all its tables TAP compliant.



Growth in usage of the NASA Exoplanet Archive over time. The TAP services were released in 2020.



VO standards-based Metadata Management and Data Submission System of NADC

Yihan Tao
 The National Astronomical Data Center (NADC) of China has developed a metadata management and data submission system. Data preservation for research project is one of the major responsibilities for NADC. The system is aimed at supporting the data submission process of astronomical projects, including the submission and review of metadata and data. With the system, data administrators can also curate a published data catalogue and manage the metadata. The metadata standard employed in the system is consistent with and extended from the VO standards-Resource Metadata for the Virtual Observatory Version 1.12 and IVOA Observation Data Model Core Components and its Implementation in the Table Access Protocol. In order to describe and filter the dataset by types, a multifaceted taxonomy of waveband, telescope/project, subject, data product type, production age, process level, content type and content level is adopted in the system and displayed as tags.

