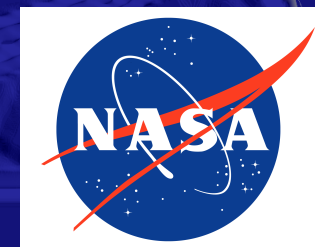




IVOA June 2025 Interoperability Meeting
2-6 June 2025
UMD, College Park (MD, USA)

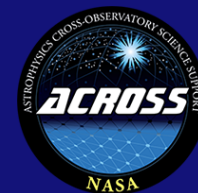


TCG Opening

IVOA



STScI



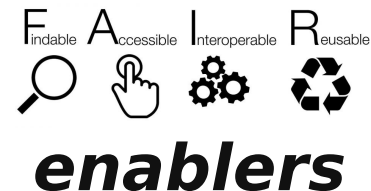
Marco Molinaro [INAF]

Tom Donaldson [MAST/STScI]

Technical Coordination Group (TCG)



- **The TCG is made up of the chairs and vice-chairs of Working Groups (WG), Interest Groups (IG), and Committees (~30 individuals in all)**
- **TCG responsibilities:**
 - Build consensus within WGs and with the community
 - Assure coordination between WG/IGs & CSP
 - Liaison with IVOA Executive Committee
 - Play key role in the documents & standards process(es)
 - Support authors, co-authors, contributors, reviewers
 - Organize the programme for InterOp meetings



Technical Coordination Group (TCG)



TCG roles

- appointed by the IVOA Executive Committee
- nominal 3 years term
- 1 year possible extension

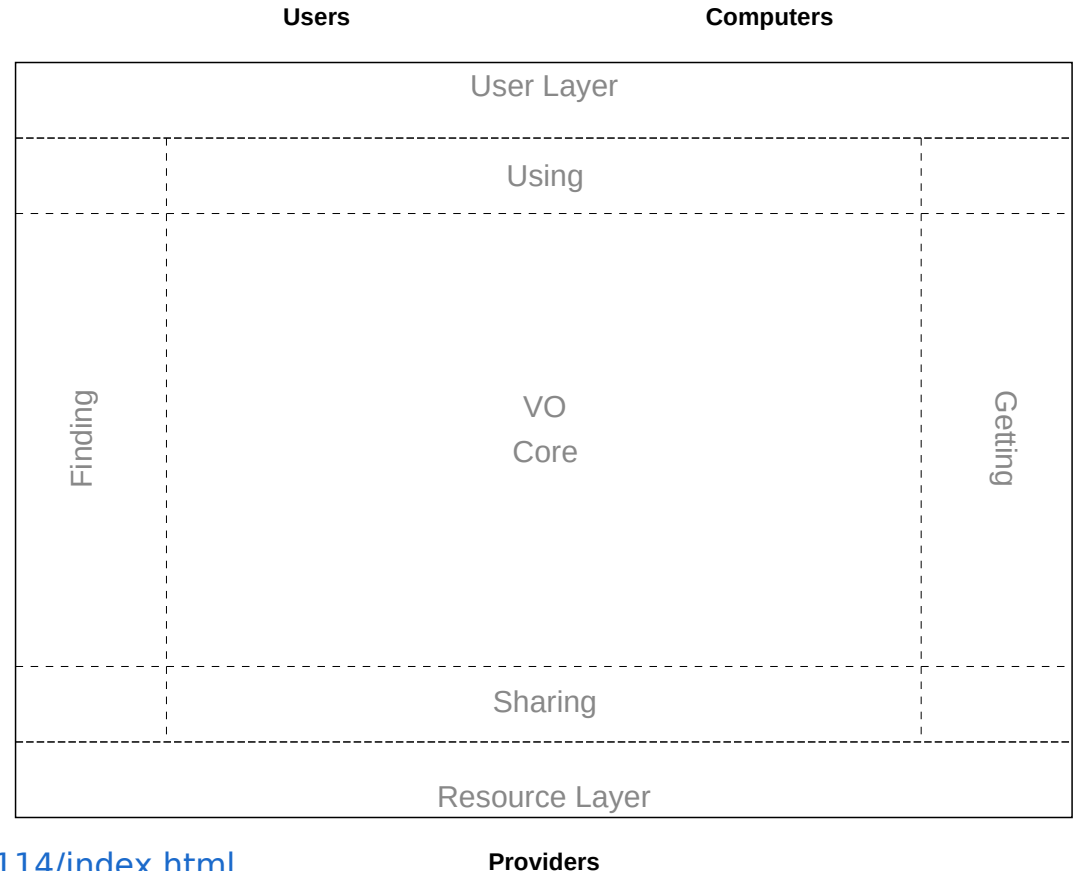
	Chair	Vice-Chair
TCG	Marco Molinaro	Tom Donaldson
Working Groups		
Applications	Pierre Le Sidaner	Adrian Damian
Data Access Layer	Gregory Mantelet	Joshua Fraustro
Data Model	Mark Cresitello-Dittmar	Mathieu Servillat
Distributed Services & Protocols	Jesus Salgado	Sara Bertocco
Registry	Renaud Savalle	Tess Jaffe
Semantics	Baptiste Cecconi	Sebastien Derriere
Interest Groups		
Data Curation & Preservation	Gilles Landais	Gus Muench
Education	Shanshan Li	Jeremy McCormick
High Energy	Bruno Khelifi	Janet Evans
Knowledge Discovery	Yihan Tao	André Schaaff
Operations	Steve Groom	Tamara Civera
Radio Astronomy	Mark Kettenis	OPEN
Solar System	Anne Raugh	Markus Demleitner
Time Domain	Judith Racusin	Pierre Fernique
IVOA Committees		
Exec	Simon O'Toole	JJ Kavelaars
Science Priorities	Francesca Civano	Vandana Desai
Standard and Processes	Patrick Dowler	
IVOA IAU Liaison Committee	Bruce Berriman	
Standby/Merged/Re-scoped Groups		
Theory	In "standby" phase, group without formal coordination - email: theory@ivoa.net	

IVOA Architecture



The IVOA standards technical architecture, describes how the standards work together.

Is described in an Endorsed Note update every ~3 years.



Current version (2.1)

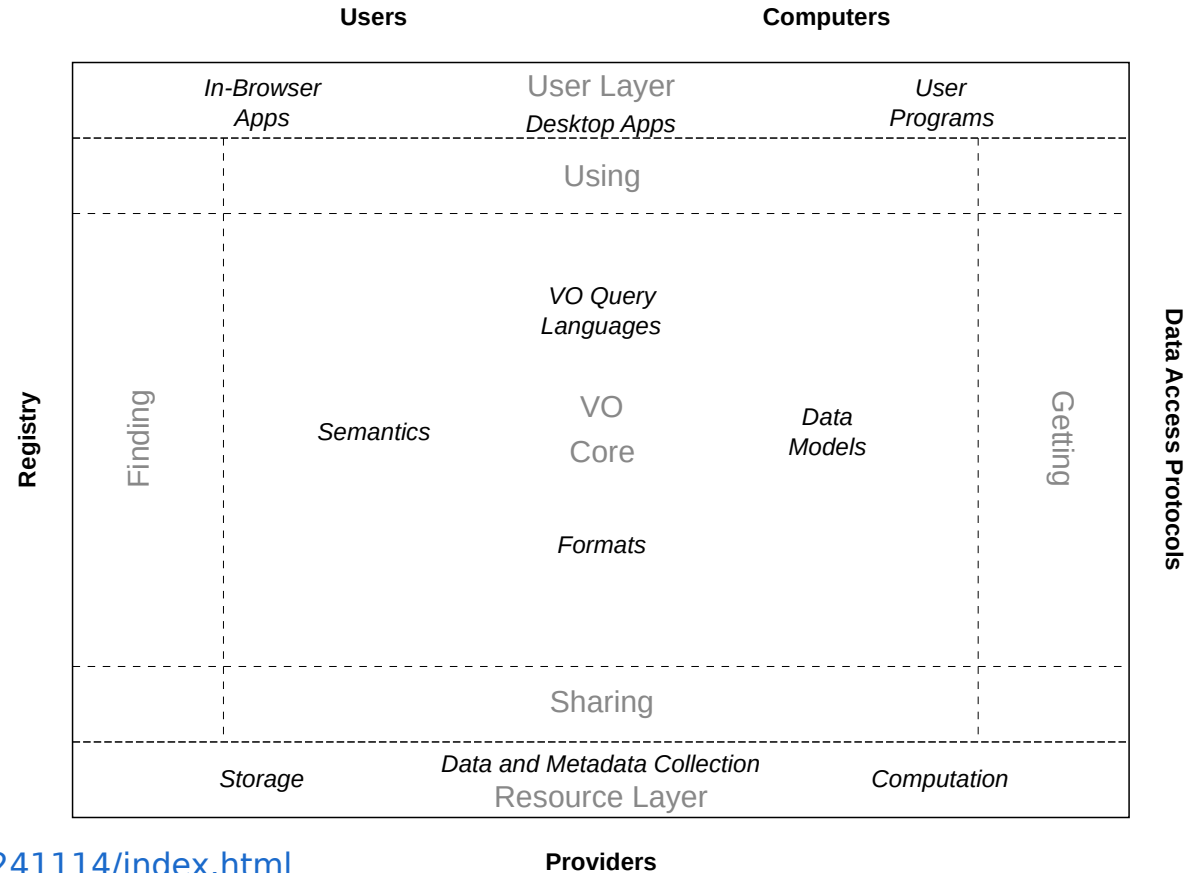
<https://www.ivoa.net/documents/IVOAArchitecture/20241114/index.html>

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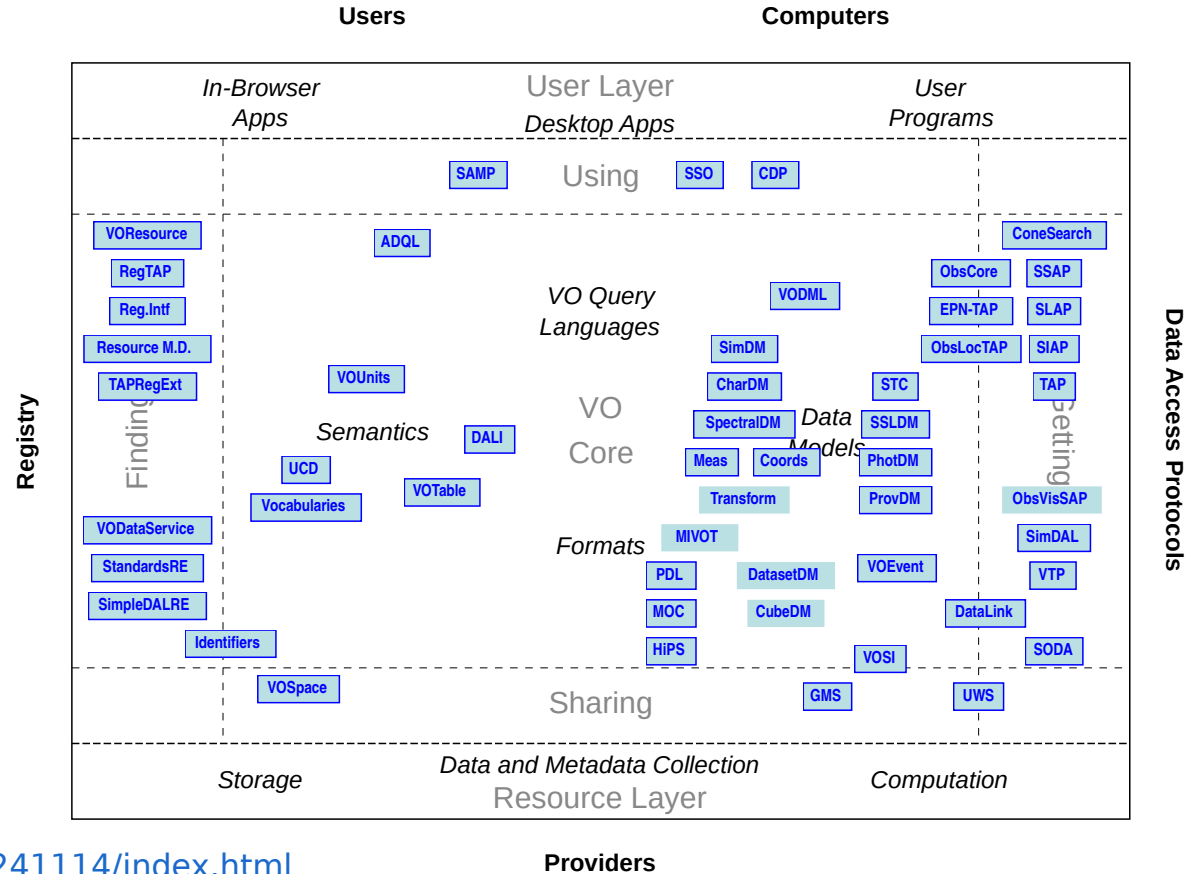
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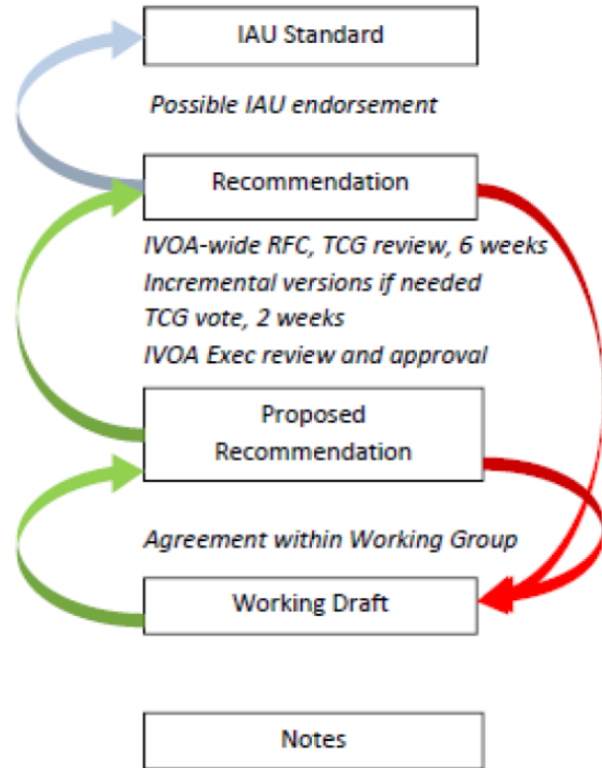
Current version (2.1)

<https://www.ivoa.net/documents/IVOAArchitecture/20241114/index.html>

Document Standards & Processes



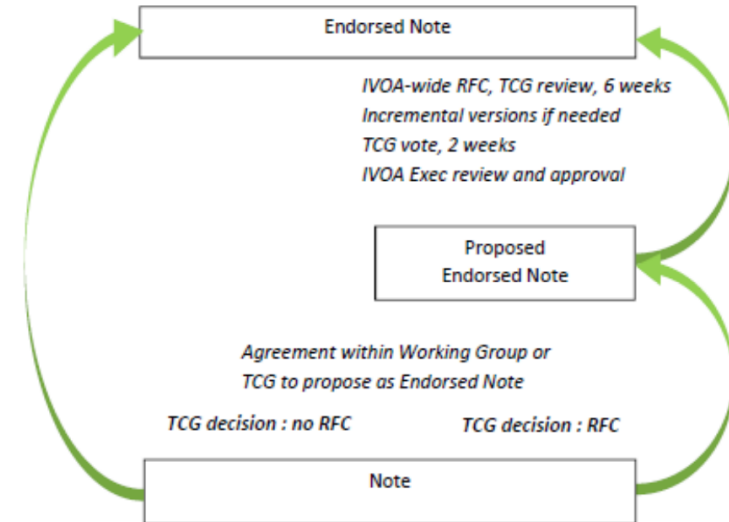
IVOA Recommendation Process



Processes for the approval of

- **Recommendations**
- **Endorsed Notes**
- including **Errata**
- and **Vocabularies**
 - separate specification

IVOA Endorsed Note Processes



IVOA Document Standards (2.0)

<https://www.ivoa.net/documents/DocStd/20170517/index.html>

Vocabularies in the VO (2.1)

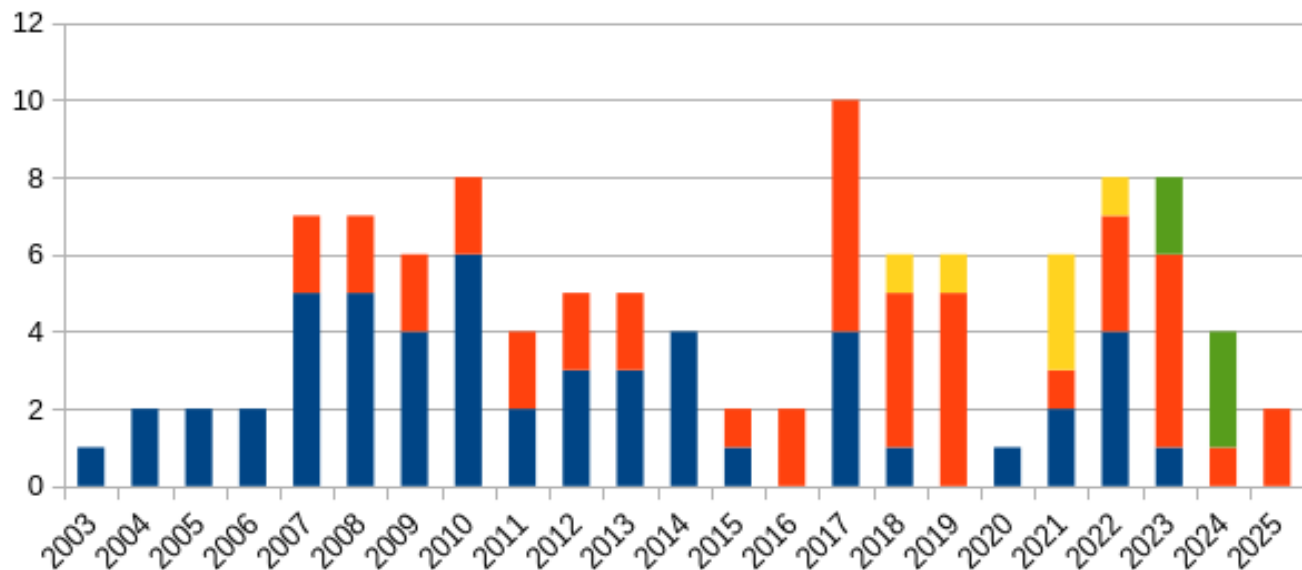
<https://www.ivoa.net/documents/Vocabularies/20230206/index.html>

Documents historical record

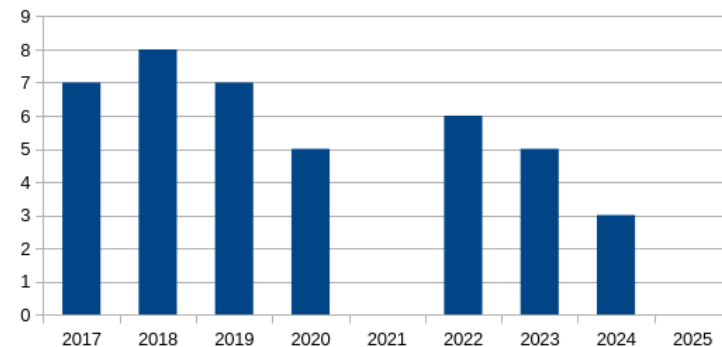


Recommendations & Endorsed Notes

■ REC ■ REC updates ■ EN ■ EN updates

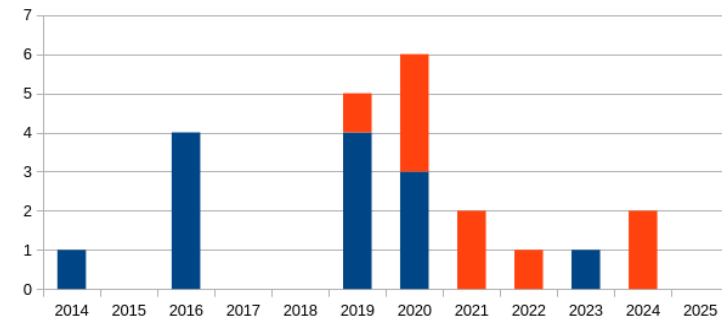


Errata



Vocabularies & updates

■ Vocabularies ■ Voc. Enhancements



VOResource-1.2

VOTable-1.5

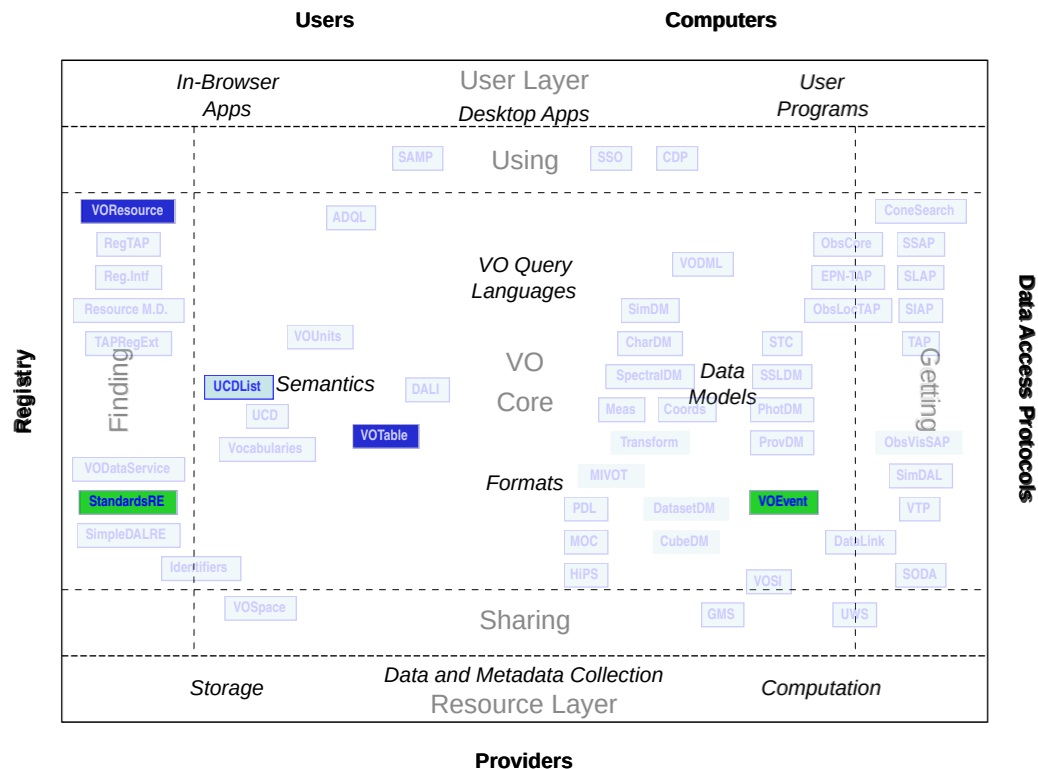
RFC

VOEvent-2.1

StandardsRegExt-1.2



UCDList-1.6



Current & Recent Standards

Technical Roadmap



- **WGs and IGs create and maintain roadmaps**
- **Covers period from one Interop to the next**
- **Provides direction**
- **Summary of activity**
- **Projects future work**

<https://wiki.ivoa.net/twiki/bin/view/IVOA/TCGRoadmaps>

Technical Coordination Group - Roadmaps

This page lists all the roadmaps the TCG updated over time. There are usually two roadmaps per year, spanning the activities planned for the time span between two subsequent Interoperability Meetings (roughly 6 months).

Current Roadmap

Development activities by the various IVOA Working and Interest Groups between the November 2024 Interoperability (Malta) and the June 2025 Interoperability (Maryland).

- [2024B Roadmap](#)

Previous Roadmaps

Year	~May to November	~November to May (year+1)
2024	2024A Roadmap	2024B Roadmap
2023	2023A Roadmap	2023B Roadmap
2022	2022A Roadmap	2022B Roadmap
2021	2021A Roadmap	2021B Roadmap
2020	2020A Roadmap	2020B Roadmap
2019	2019A Roadmap	2019B Roadmap
2018	2018A Roadmap	2018B Roadmap
2017	2017A Roadmap	2017B Roadmap
2016	2016A Roadmap	2016B Roadmap
2015	2015A Roadmap	2015B Roadmap
2014	2014A Roadmap	2014B Roadmap
2013	2013A Roadmap	2013B Roadmap

This Interop



https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpJune2025

Start of Sessions				
Session 1 - zoom link	14:00-14:15	2309	Welcome and Logistics	Anne Raugh / Francesca Civano
	14:15-14:30		State of the IVOA	Simon O'Toole
	14:30-14:45		Committee for Science Priorities (CSP) Status	Francesca Civano
	14:45-15:00		State of the TCG	Marco Molinaro
	15:00-15:30		Break	
	15:30-17:00	2309	Charge to the Working Groups	Working Group/Interest Group Chairs
Tuesday June 3, 2025				
Time	Room	Session	Lead	
Session 2 - zoom link	09:00-10:30	2309	Data management challenges and solutions	Francesca Civano
	10:30-11:00		Break	
Session 3a - Data Models link	11:00-12:30	2309	Data Models WG 1	Cresitello-Dittmar/Servillat
		1309	Registry	Savalle/Jaffe
Session 3b - Registry link				
	12:30-14:00		Lunch break	
Session 4a - Applications 1 link	14:00-15:30	2309	Applications 1	Le Sidaner/Damian/Racusin/Fernique
		1309	Semantics WG	Cecconi/Derriere
Session 4b - Semantics WG link				
	15:30 -16:00		Break	
Session 5 - zoom link	16:00-17:30	2309	Major Version Transitioning	Markus Demleitner
Social event at nearby restaurant				

Friday June 6, 2025	Time	Room	Session	Lead
14	9:00-10:30	2309	Data Access Layer 2	Mantelet/Fraustro
	10:30-11:00		Break	
15	11:00-12:30	2309	Closing Plenary	

Wednesday June 4, 2025	Time	Room	Session	Lead
Session 6a - DSP link	9:00-10:30	2309	Distributed Services & Protocols	Salgado/Bertocco
		1309	Data Curation & Preservation	Landais/Munch
Session 6b - DCP link				
	10:30-11:00		Break	
Session 7 - zoom link	11:00-12:30	2309	IVOA participation in the IAU	Bruce Berriman
	12:30-14:00		Lunch break	
Session 8 - zoom link	14:00-15:30	2309	ObsCore & Extensions	DM lead - plenary
	15:30 -16:00		Break	
Session 9 - zoom link	16:00-17:30	2309	Web Assets Architecture	Jeremy McCormick
Thursday June 5, 2025				
Time	Room	Session	Lead	
Session 10 - zoom link	9:00-10:30	2309	Data Access Layer 1	Mantelet/Fraustro
	10:30-11:00		Break	
Session 11a - Applications 2 link	11:00-12:30	2309	Applications 2	Le Sidaner/Damian
		1309	Operations + Distributed Services & Protocols	Civera/Bertocco
Session 11b - Operations link				
	12:30-14:00		Lunch break	
Session 12a - App +TD link	14:00-15:30	2309	Applications + Time Domain	Le Sidaner/Damian
		1309	Registry hack-a-thon	Savalle/Jaffe
Session 12b - Registry Hack link				
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Session 13 - zoom link	16:00-17:30	2309	Data Models: modularity, levels, endorsement	DM lead - full TCG plenary

TCG Opening Status – IVOA June 2025 Interoperability Meeting – 02.06.2025, UMD (College Park, MD, USA)

plenary highlights



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- Get Involved – Like every organization we need new perspectives!
- We are an open community
 - if a standard is close to the goal but doesn't fit
 - implement an extension & provide feedback to influence change
- Success takes Resources
 - Work to implement or extend a standard as part of your project
 - Your project benefits and so does Data Interoperability
- Get on the email lists
- Provide feedback to WG/IG calls for input.
- Attend the IVOA Interops & encourage others to attend as well

If you want to go Fast, go Alone – If you want to go Far, go Together



How to participate

- IVOA website → <https://www.ivoa.net/>
- IVOA wiki pages → <https://wiki.ivoa.net/>
- mailing lists, subscription
interop@ivoa.net (general info) + WG- and IG-specific
<https://ivoa.net/members>
- github
<https://github.com/ivoa>: collaboration on projects, tools, ideas
<https://github.com/ivoa-std>: standard documents development
- slack workspace → <https://ivoa.slack.com/>
https://join.slack.com/t/ivoa/shared_invite/zt-36kukzamr-BDffBNs1JKUwcVHcnjYbCg



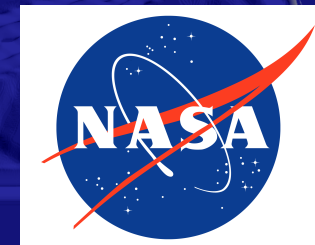
How to participate



IVOA November 2024 Interoperability Meeting
15-17 November 2024
La Valletta, Malta

Thank you & Welcome!

Thanks to UMD, NASA, STScI, ACROSS!



STScI



Marco Molinaro [INAF]

Tom Donaldson [MAST/STScI]