



IVOA November 2025 Interoperability Meeting
14-16 November 2025
Görlitz, Germany

TCG Opening

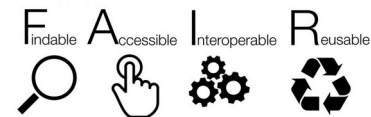
Marco Molinaro [INAF]

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



enablers

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	Adrian Damian	Brigitta Sipőcz
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	Stephane Erard	Markus Demleitner
Time Domain	Judith Racusin	Pierre Fernique
IVOA Committees		
Exec	JJ Kavelaars	Mark Allen
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

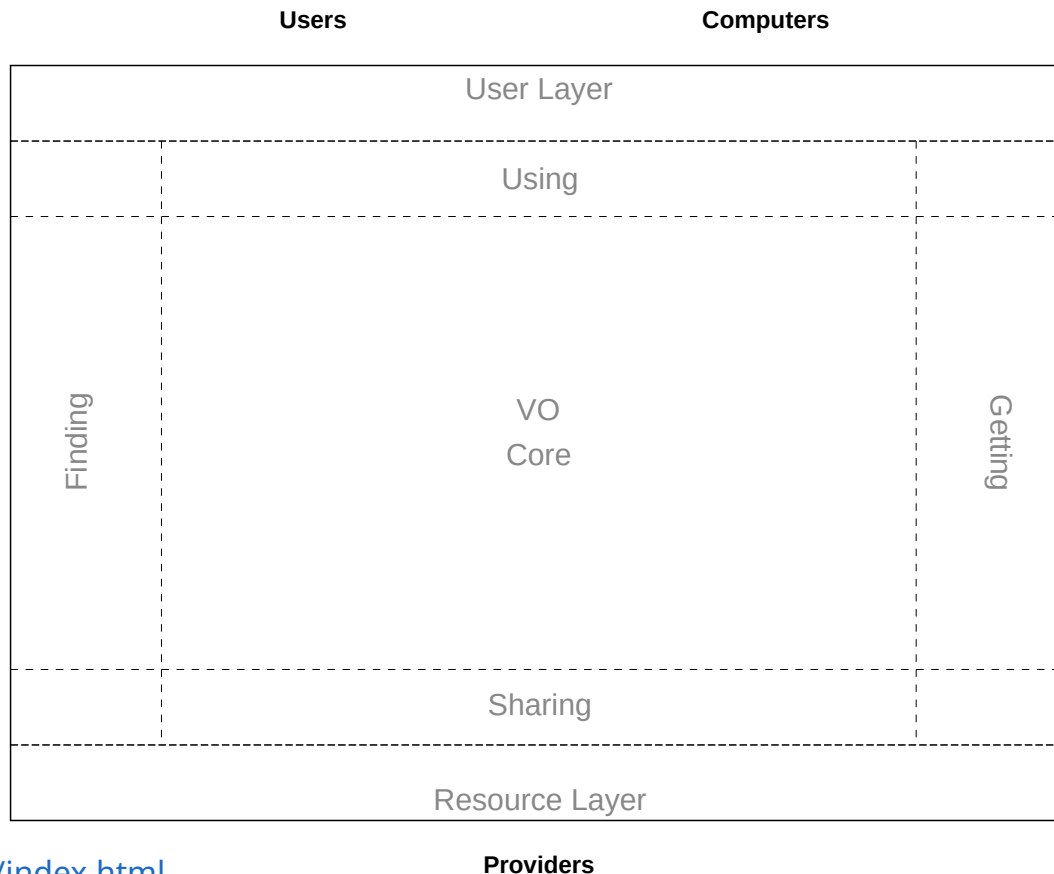


The IVOA standards technical architecture, describes how the standards work together.

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

Current version (2.1)

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

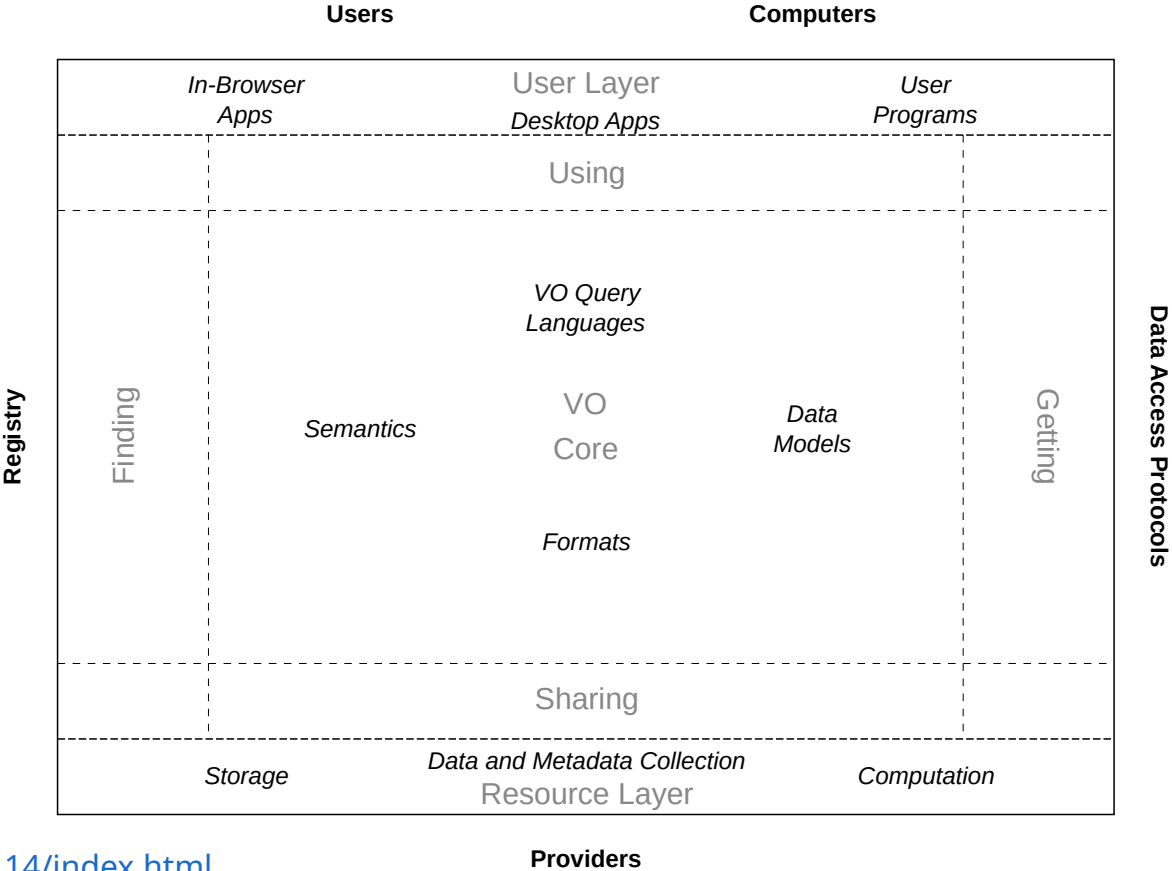


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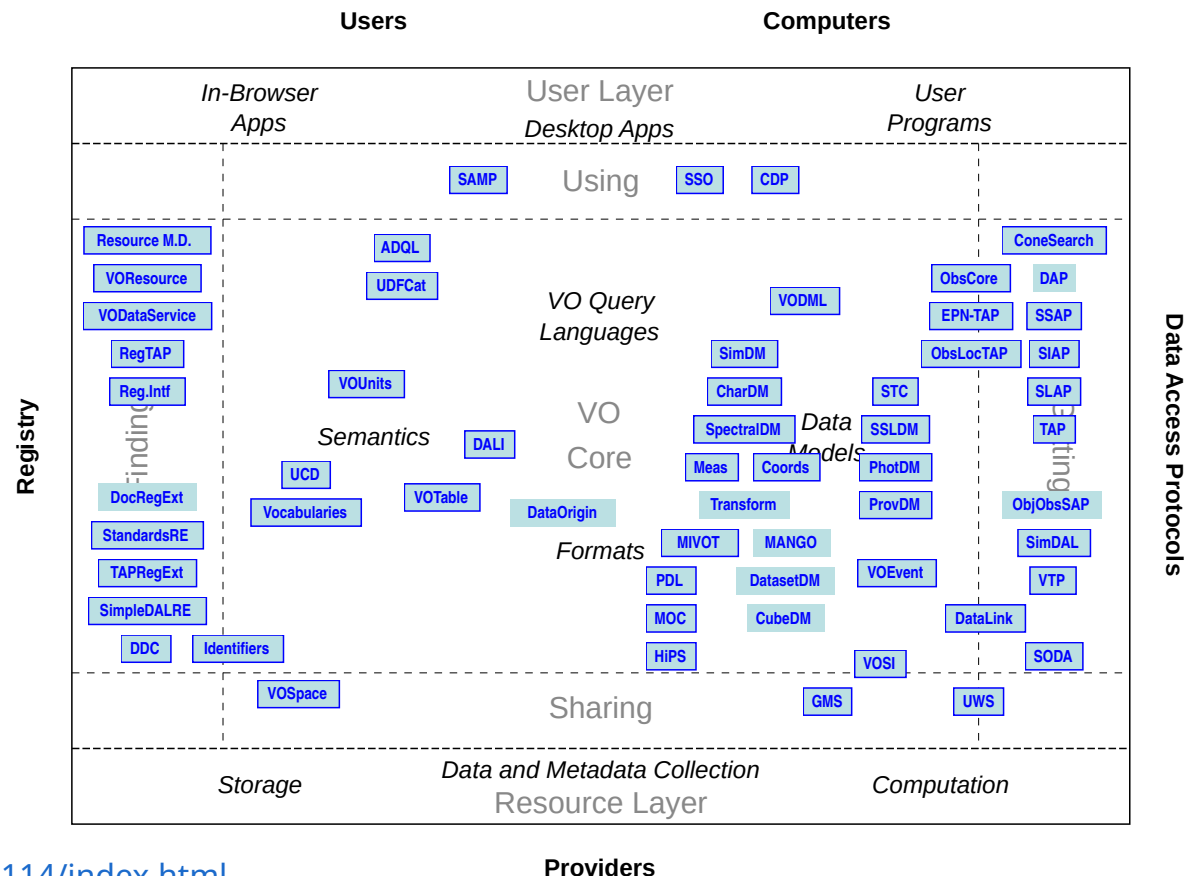
<https://www.ivoa.net/documents/IVOOArchitecture/20241114/index.html>

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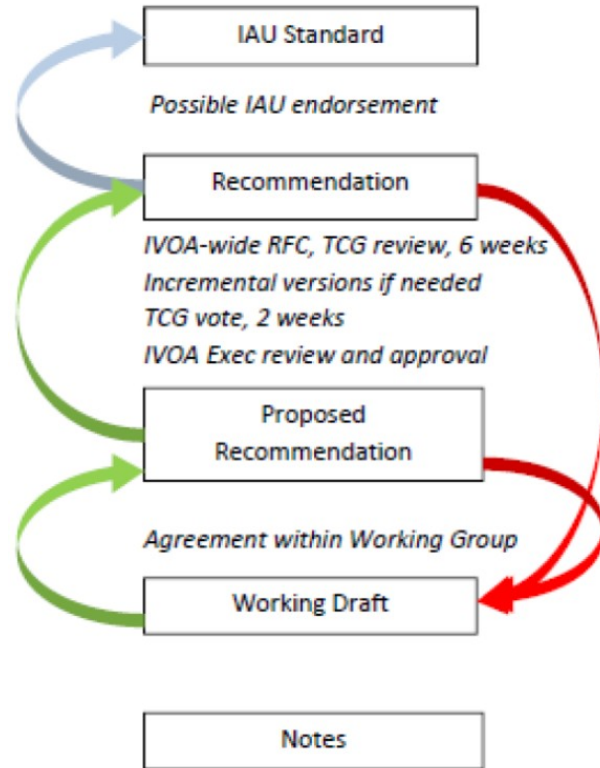
Current version (2.1)

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

Document Standards & Processes



IVOA Recommendation Process



Processes for the approval of

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

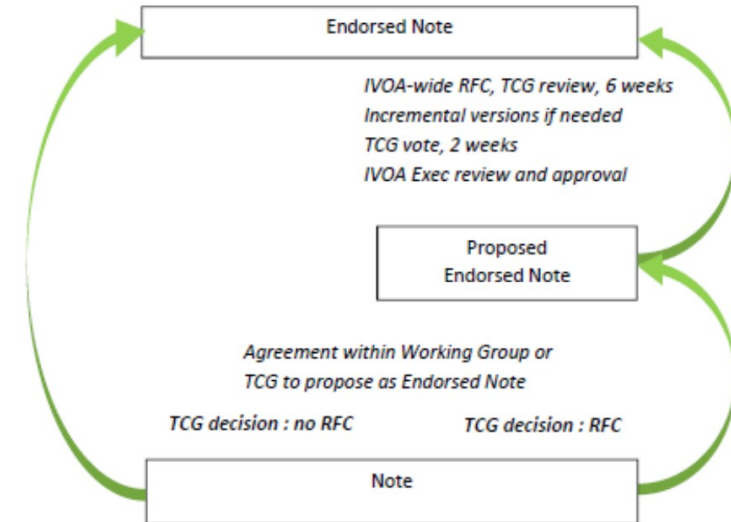
IVOA Document Standards (2.0)

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

Vocabularies in the VO (2.1)

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

IVOA Endorsed Note Processes

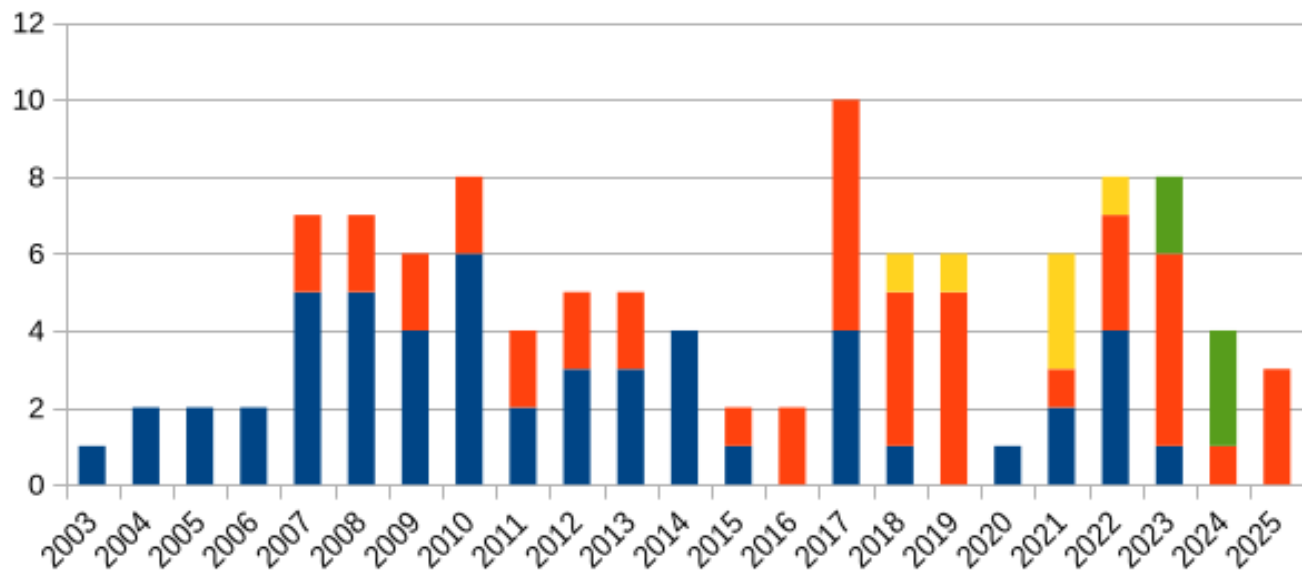


Documents historical record

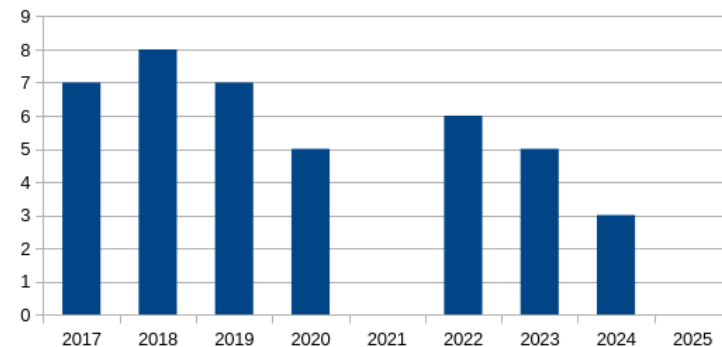


Recommendations & Endorsed Notes

■ REC ■ REC updates ■ EN ■ EN updates

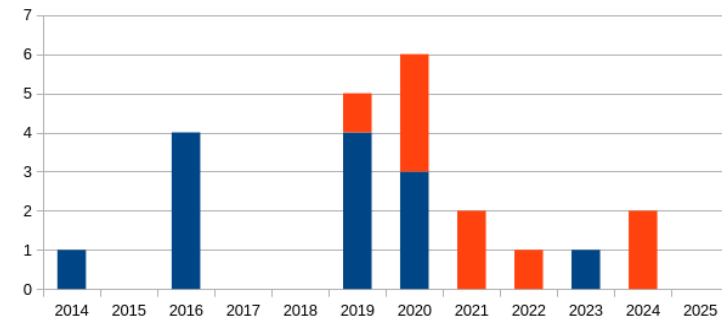


Errata



Vocabularies & updates

■ Vocabularies ■ Voc. Enhancements



REC

StandardsRegExt-1.1

RFC

VOEvent-2.1

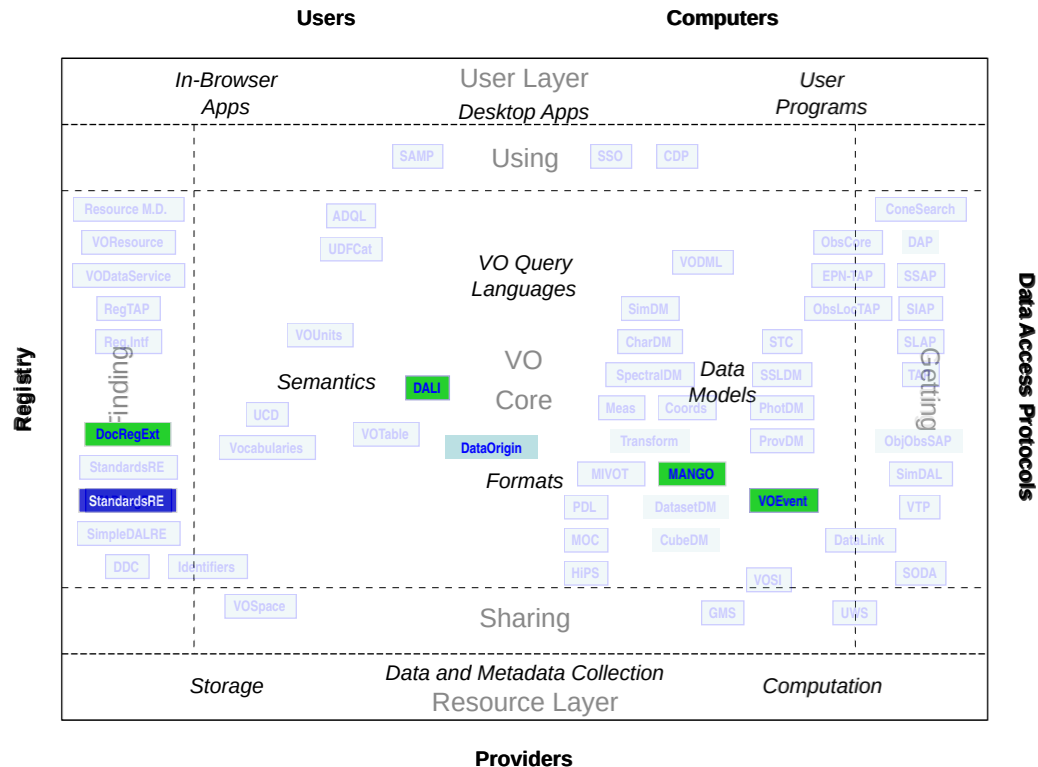
MANGO-1.0

DALI-1.2

DocRegExt-1.0

PEN

DataOrigin-1.2



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).

- [2025A Roadmap](#)

Previous Roadmaps

Year	~May to November	~November to May (year+1)
2025	2025A Roadmap	
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



Friday November 14, 2025				
session	Time	Room	Topic	lead/speaker
1	9:00-9:10	Wichernhaus "nadir"	Welcome & Logistics	Joachim Wambsganss
	9:10-9:25		State of the IVOA	JJ Kavelaars
	9:25-9:35		CSP Status	Francesca Civano
	9:35-9:45		TCG Status	Marco Molinaro
	9:45-10:30		Charge to the Working Groups	Working Group/Interest Group Chairs
	10:30-11:00	coffee/tea break		
2	11:00-12:30	Wichernhaus "nadir"	Applications 1	Damian/Sipőcz
	12:30-14:00	lunch break		
3	14:00-15:30	Wichernhaus "nadir"	Data Access Layer & Registry	Mantelet/Fraustro - Savalle/Jaffe
		Wichernhaus "zenith"	Semantics 1	Cecconi/Derriere
	15:30-16:00	coffee/tea break		
4	16:00-17:30	Wichernhaus "nadir"	Data Access Layer	Mantelet/Fraustro
		Wichernhaus "zenith"	Time Domain IG	Racusin/Fernique
Saturday November 15, 2025				
session	Time	Room	Session	lead/speaker
5	9:00-10:30	Wichernhaus "nadir"	Distributed Services & Protocols	Salgado/Bertocco
		Wichernhaus "zenith"	Semantics 2	Cecconi/Derriere
	10:30-11:00	coffee/tea break		
6	11:00-12:30	Wichernhaus "nadir"	Operations IG	Groom/Civera
		Wichernhaus "zenith"	Solar System IG	Erard/Demeitner
	12:30-14:00	lunch break		
7	14:00-15:30	Wichernhaus "nadir"	Data Models	Cresitello-Dittmar/Servillat
		Wichernhaus "zenith"	Data Curation and Preservation & Knowledge Discovery IG(s)	Landais/Munch - Tao/Schaaff
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10	11:00-12:30	Wichernhaus "nadir"	Closing Plenary	
			Summary from Working Groups	WG/IG chairs
			TCG Closing Remarks	Marco Molinaro
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All details will follow in the groups' introductions!

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2025>

IVOA Docs & Tools session



	12:30-14:00	Wichernhaus "zenith"	Solar System IG	Erard/Demleitner
	lunch break			
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Discussion session on Documents Standard and current tools / IVOA Nov 2025 Interoperability Meeting

Sunday November 16, 2025 @ 9:00-10:30 CET (Session #9) Room Nadir

Session Agenda

Speaker	Title and Abstract	Materials
Paul Harrison	Alternative Standards View	GitHub Project presentation.pdf
Kalyani Pedamkar	New db-based docrepo	
Dave Morris	Proposal for a purl.ivoa.net service	
Marco Molinaro	Documents Standard REC - under review	pdf
All	Discussion	

- 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-3i3tzzioi-Fj9ZNcrcQr8ZU6RjIZDN7A



How to participate



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Thank you & Welcome!

Thanks to DZA & GAVO!

IVOA

Marco Molinaro [INAF]

Tom Donaldson [MAST/STScI]