



IVOA Cape Town Interop Closing Remarks

Christophe Arviset
Chair of the IVOA Executive Committee

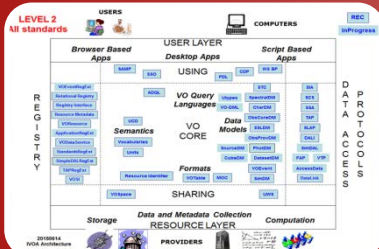
IVOA Interop Meeting Closing Session
Cape Town, South Africa, 13/May/2016



South African Astroinformatics Alliance
A National South African Virtual Observatory

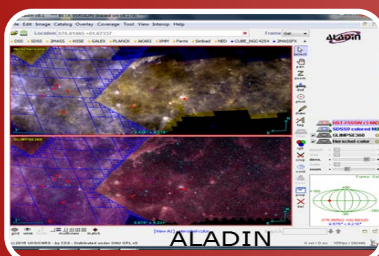


Vision of the IVOA



Develop an interoperable data management framework for astronomy

- Interoperability standards (VO framework) amongst astronomical (ground and space based) archives
- Publishing tools for data centres



Enable new science through the VO

- Multi wavelength science, combining datasets from multiple sources
- Data discovery and data access tools
- Data analysis and visualization tools



World wide collaboration amongst astronomical VO projects

- Created in 2002, 20 projects today
- No formal funding, nationally funded projects
- Diversity makes IVOA's richness

Main highlights from this interop - 1



1. Good overall participation from all VO projects
2. Good progress on IVOA Standards
 - a. Multi-d related standards soon to be released (SODA)
 - b. Many others entering PR in the coming weeks
 - Many of them being updates from implementation feedback
 - c. Keep the pace !
3. VO take-up is going on
 - a. Many presentations in various sessions
 - b. Big data centres fully are embracing VO protocols
 - c. Big projects and big data “pushing the standards to their limits”
 - d. Natural way for standards improvements / updates
4. Resuming of Education IG and KD(D) IG sessions at interop

Main highlights from this interop - 2



1. VO Operations more and more important
 - a. Excellent forum for discussion
 - b. Importance of VO libraries, VO publishing tools
 - c. Importance of VO services validators
 - d. Improvements of VO services and ecosystem

2. Applications continues to be the key, the gateway to do science
 - a. Regular updates of existing VO apps
 - b. New VO Apps appearing !

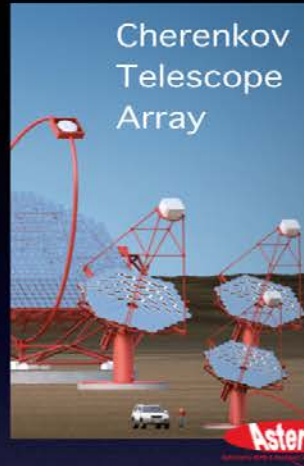
3. News from the Exec
 - a. New IVOA vice-chair since this meeting : Pepi Fabbiano
 - b. Discussions about some potential new forums
 - Solar System Interest Group ?
 - IVOA User Group ?

Excellent Focus Sessions

Many thanks to the projects !



Large Synoptic Survey



Cherenkov
Telescope
Array



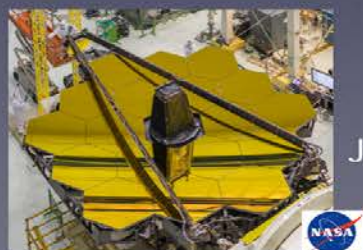
Square Kilometre Array



Five-hundred-meter Aperture
Spherical Telescope (FAST)



ASKAP



JWST



Gaia &
Euclid



European Gravitational
Observatory, EGO/VIRGO



IVOA TCG terms renewal



Time Domain IG

1. John Swinbank extended for 1 year
2. Dave Morris as new vice chair

Theory IG

1. Carlos Rodrigo new chair
2. Vice chair still TBD

Many thanks to

1. Frank Lepetit (Theory IG)
2. Mike Fitzpatrick (Time Domain IG)

	Chair	Vice-Chair
TCG	Matthew Graham	Pat Dowler
Working Groups		
Applications	Pierre Fernique	Tom Donaldson
Data Access Layer	François Bonnarel	Marco Molinaro
Data Model	Mark Cresitello-Dittmar	Laurent Michel
Grid and Web Services	Brian Major	Giuliano Taffoni
Registry	Markus Demleitner	Theresa Dower
Semantics	Mireille Louys	Alberto Accomazzi
Interest Groups		
Data Curation & Preservation	Françoise Genova	n/a
Education	Massimo Ramella	Sudhanshu Barway
Knowledge Discovery in Databases	Kai Lars Polsterer	n/a
Operations	Tom McGlynn	Mark Taylor
Theory	Carlos Rodrigo	TBD
Time Domain	John Swinbank	Dave Morris
IVOA Committees		
Exec	Christophe Arviset	Pepi Fabbiano
Standard and Processes	Francoise Genova	n/a
Science Priorities	Mark Allen	n/a

Next Interops



1. Northern Fall 2016 - Trieste, Italy (after ADASS)
 - a. 21-23 Oct 2016

2. Northern Spring 2017 – Shanghai, China
 - a. 14-19 May 2017

3. Southern Spring 2017, Santiago de Chile, Chile (after ADASS)
 - a. 27-29 Oct 2017



Thanks to SA³ and SAAO for organizing the meeting

Thanks to NRF for sponsoring the meeting



Thanks to IAU-OAD for supporting the education activities

MANY THANKS to Patricia, Nazli, Samantha, Sudhanshu



Thanks to all of you for your participation !