

A large version of the Asterics logo, consisting of a red horizontal oval with the word "Asterics" in white, italicized, sans-serif font. A thin red line loops around the oval, with a white starburst graphic at the top intersection.

# Asterics

**Astronomy ESFRI & Research Infrastructure Cluster**

# Engaging with major astronomy projects at the next IVOA meeting

Mark Allen

# Focus Sessions on “Interoperability of data from major astronomy projects”

- Tuesday May 10, Wednesday May 11, 2016
- Presentations / Discussions / Splinters
- *SOC: Mark Allen (chair), Kai Polsterer, Bruno Merin, David Ciardi, Patricia Whitelock, Fabio Pasian, Pepi Fabbiano, Bruce Berriman, Chenzhou Cui, Enrique Solano, Christophe Arviset, Matthew Graham, Pat Dowler*

# Participation

- LSST - David Ciardi
- SKA South Africa including MeerKAT - Russ Taylor
- ~~TMT - Christophe Dumas~~
- **ASTERICS projects (CTA, E-ELT, SKA, KM3-NET, VIRGO/LIGO, LOFAR) – [Mark Allen coordinating]**
- FAST - Prof. Ming Zhu
- GMT - Ian Evans, Janet Evans
- ASKAP - Jessica Chapman (& James Dempsey)
- ESA: Euclid and Gaia – Bruno Merin
- JWST contribution - Tom Donaldson

# Communications

- VO - framework for interoperable and efficient access to astronomical data and services across all areas of astronomy.
- IVOA - is an alliance of worldwide VO projects that develops the required standards and coordinates global aspects of the infrastructure.
- IVOA is pursuing stronger links and participation of major astronomy projects

# Topics

- Identification of use cases and requirements of major astronomy projects for interoperability of their data
- Discussion of VO technologies in the priority areas of multi-dimensional, and time domain data
- Practical measures to facilitate the use of IVOA standards, and to ensure their relevance to major astronomy projects
- Fostering major astronomy projects to become ‘participants’ rather than ‘customers’ of the VO

Tuesday May 10				
5	09:00–10:30	room	Focus session: Interoperability of data from major astronomy projects	(Session Chair: Mark Allen)
	10:30–11:00	Break		
6	11:00–12:30	room	Focus session: : Interoperability of data from major astronomy projects	(Session Chair)
	12:30–14:00	Lunch		
7	14:00–15:30	room	session	WG
			session	WG
	15:30–16:00	Break		
8	16:00–17:30	room	session	WG
			session	WG
Wednesday May 11				
9	09:00–10:30	room	Focus session: Interoperability of data from major astronomy projects	
	10:30–11:00	Break		
10	11:00–12:30	room	Focus session: : Interoperability of data from major astronomy projects	(Splinter session discussions)

# Capturing Use Cases

- Before the meeting (e.g. consultation with Euclid and Gaia archive scientists)
- Encourage emphasis on use cases for presentations... sometimes works well
- Focus Session splinters - small group discussions with TCG, WG chairs
- *Minimal requirements* approach



# ASTERICS participation

- Not defined yet! Getting late...
- Ideally ~3 ESFRI/pathfinder projects to participate and all to give input
- Pursuing participation by:
  - CTA
  - VIRGO/EGO – very important to show how ASTERICS work, highly relevant
  - SKA