

Summary:

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

Mark Allen

& Focus Session Organising Committee:

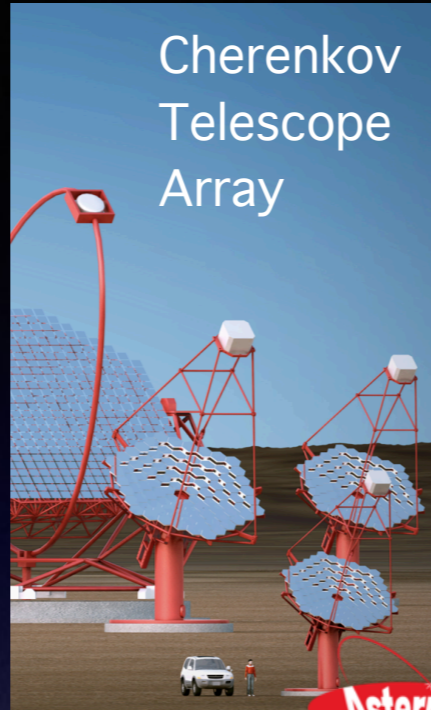
Kai Polsterer, Bruno Merin, David Ciardi, Patricia Whitelock, Fabio Pasian, Pepi Fabbiano, Bruce Berriman, Chenzhou Cui, Enrique Solano, Christophe Arviset, **Matthew Graham**, Pat Dowler, **Janet Evans**



LSST



Large Synoptic Survey

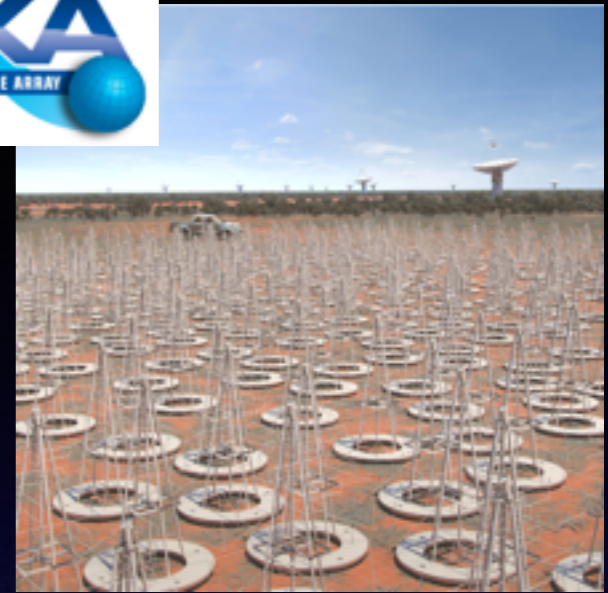


Cherenkov Telescope Array

Asterics
Advancing 2030 & Beyond's Infrastructure Cluster



SKA
SQUARE KILOMETRE ARRAY



Square Kilometre Array

FAST



Five-hundred-meter Aperture Spherical Telescope (FAST)

IVOA

FOCUS SESSIONS



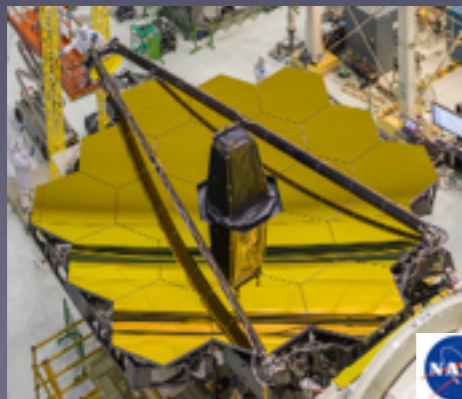
CSIRO

ASKAP

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European Gravitational Observatory, EGO/VIRGO



JWST

NASA



Gaia & Euclid

esa

Focus Sessions

The identification of **use cases and requirements** of major astronomy projects for interoperability of their data ✓ - *for homework*

- Discussion of VO technologies in the **priority** areas of multi-dimensional, and time domain data ✓✓✓
- What **practical measures** can be undertaken to facilitate the use of IVOA standards, and to ensure their relevance to major astronomy projects ✓ - *connections via IVOA/VO projects e.g. ASTERICS*
- Fostering major astronomy projects to become 'participants' rather than 'customers' of the VO ✓✓✓✓



Science Priority Areas

Multi-dimensional Data

Radio astronomy, Integral Field Spectroscopy, high energy, polarization, simulation, data mining datasets + ...

Time Domain Astronomy

Time Series, light curves, transient event reports, +...

- Updated priorities to be proposed to Exec

Next steps

- Homework: Project Worksheets
- Homework: **CSP & TCG & Exec**
- Timescale:
 - Distilled use cases for next Interop meeting.
 - Derive Requirements where possible