

The background of the slide is a blue-tinted photograph of a large radio telescope. The telescope's dish is on the left, and its complex support structure, including a dome and various beams, extends across the top and right. The overall scene is dimly lit, with the blue tint giving it a technical and scientific feel.

# Grid and Web Services

Brian Major, Giuliano Taffoni  
IVOA Interop, November 2018, College Park



# GWS Programme

- 1 Dedicated GWS Session: Friday 9am
- Joint GWS/DAL/Reg Session: Friday 2pm

# Authentication and Authorization (A&A)

- Lots of activity, client implementations are starting
- Two A&A talks in the GWS Session:
  - **Christian Mesh, Tom Donaldson:** OAuth on top of Shibboleth
  - **Brian Major:** Group Membership Service WD

# Distributed Storage and Computing

- VOSpace 2.1 approved by Exec and now an official recommendation
- **Andreas Wicenec, Dave Pallot:** VOSpace 2.1 for MWA Archive: architecture and lessons learned
- **Sara Nieto:** Large Euclid data set analysis with Apache Spark

# Science Platforms

- Lots of momentum: Again a key theme for ADASS
- Many prototypes and official platforms offered by different institutions
- Need to continue thinking of ***interoperable science platforms*** and if/how IVOA standards can help
  - How can a researcher coordinate a workflow that uses scient platforms at different institutions?
  - How can this distributed workflow be reproduced?

# VO Support Interfaces (VOSI)

- /tables
- /availability
- **/capabilities**
  - Describes the features available in a service and how to access them
- **Patrick Dowler:** Using VOSI capabilities to manage evolution with incompatible web service changes

# Discovering Authenticated Endpoints

- Interface elements (with Endpoints) are in Capabilities
- How should the interfaces supporting authentication methods best be described for clients?
- Joint Session will talk about this from both the client and server perspectives

# Discovering Authenticated Endpoints

- **Simon O'Toole:** Access Control in the All-Sky Virtual Observatory
- **Jesus Salgado:** GAIA TAP (TAP+ protocol)
- **Pat Dowler:** TAP-1.1 & endpoints authentication
- **Mark Taylor:** TAP-1.1 authentication in TOPCAT/STILTS (include Markus D. topics)



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