

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 central dome and various struts, extends across the frame. The lighting is dramatic, highlighting the metallic surfaces of the telescope against a dark sky.

Grid and Web Services

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

GWS Session Talks

Tom Donaldson, Christian Mesh - OAuth on Shibboleth

- With the addition of API tokens, OAuth able to work on Shibboleth
- OAuth used for new applications including AWS

OAuth (OpenID Connect) is being adopted by many institutes. GWS SSO document supports OAuth.

GWS Session Talks

Sara Nieto - Apache Spark for Euclid Data Analysis

- Remarkable query performance using Parquet, SparkSQL
- Integration with JupyterLab
- Future:
 - NFS->HDFS
 - Spark MLib (machine learning)
 - Interactive monitoring from JupyterHub

GWS Session Talks

Dave Pallot - pyvospace

- open source, configurable vospace implementation in python 3.6 + AsyncIO
- FUSE front end, POSIX back end
- Future: web interface, different storage implementations
- Good feedback to 2.1 specification
- Interoperable with other VOspaces?

GWS Session Talks

Patrick Dowler - Using VOSI capabilities to version services

- Multi-release strategy:
 - Two versions of service released for some period, advertised through VOSI capabilities
 - New clients distributed
 - Old version eventually turned off

Discovering Auth endpoints discussions

- Multiple Standard IDs for TAP (/sync, /async, etc...)
- ~~UWSRegex~~
- New VOSI Best Practices note to explain:
 - Mirror URLs usage
 - how do describe your web service for humans
 - based off VOSI capabilities
 - Gregory Dubois-Felsmann, James Dempsey, and Tom McGlynn to start writing content (thanks!)

GWS Telecons

- Will be continued/resumed! Watch for announcements on grid@ivoa.net

Roadmap to Paris

- VOSI best practices note
- Science Platforms: call for **standardization proposals** on:
 - How to lookup registry capabilities for a platform
 - New capabilities applicable to science platforms
 - Container execution? Input Params? Output location?
- Group Membership Services -- feedback from community, new working draft
- XML Schema Versioning -- address known issues

The background of the slide is a large, blue-tinted image of a satellite dish. The dish is a large, parabolic structure with a complex support system. In the center of the dish, the text "NRC-CNRC Canada" is visible. The overall scene is set against a dark, blue sky.

Big *thank you* to all the presenters and for the very productive sessions.