



IVOA interop meeting  
8th-12th May 2023, Bologna, Italy  
Science platform sessions





## Science platform sessions

### Three specific questions

- What things from the IVOA worked ?
- What things from the IVOA didn't work ?
- What does the IVOA need to do next ?

Each sessions has time for talks,  
followed by panel discussion

09:00-10:30 Tuesday 9<sup>th</sup> May

Tess Jaffe - NASA Goddard Space Flight Center

Jesus Salgado - SKA Observatory

Simon O'Toole - Australian Astronomical Observatory

Yunfei Xu - China-VO

Omar Laurino - Chandra X-ray observatory

14:00-15:30 Thursday 11<sup>th</sup> May

Vincente Navarro - ESA

Mario Juric - University of Washington

Robert Nikutta - NOIRLab

Brian Major - CADC

Dave Morris - Edinburgh University





## GWS session I

Moving code to the data.

Metadata and services needed to support interoperability between heterogeneous science platforms

- Dave Morris - Execution Planner, service API
- Séverin Gaudet – Metadata for compute resources and software
- Open discussion to identify use cases and requirements





## GWS session II

Updating the IVOA protocols and standards

Based on a proposal by Frossie Economou, Russ Allbery, and Gregory Dubois-Felsmann.

Parts of the IVOA standards date back to the early 2000's.

Divergence between IVOA design patterns and common practice in the 2020's.

Issues raised in previous IVOA meetings (see [sqr-063.lsst.io](https://sqr-063.lsst.io)), but discussion has not progressed.



## GWS session II

Updating the IVOA protocols and standards

SQR-063: IVOA SODA implementation experience

<https://sqr-063.lsst.io/>

‘Seed’ the discussion on the GWS mailing list

- What can we agree needs changing ?
- What can we agree to disagree on ?
- The easy stuff – cookies, HTTP codes etc.
- The hard stuff – JSON VOTable ?
- The complicated stuff – how do we manage updates going forward ?