Operations IG

Closing Summary

IVOA Interop Meeting Nov 2026
Perth - Australia



Chair: Tamara Civera (CEFCA)
Vice-chair: Henrik Norman (Winter Way)

Operations IG and Registry WG Joint Session

Session #7: Saturday November 7, 2026
14:00 – 15:30 (UTC+8)

Speaker	Title	Time	Abstract
Pierre Lesidaner (M.Demleitner)	VODataService 1.3 PR: A Reading Guide	10+5	vodataservice 1.3 (M.Demleitner)
Gilles Landais	CDS HATs records in registry	5+5	CDS HATs revords in registry with VODataService 1.3
Henrik Norman	Improving the Data Access Services in the VO	15+5	The data access services continue to improve, with TAP compliance reaching a record high of 64%, up from 25% a year ago and just 4% four years ago. I will show how well data providers follow the standards, which parts they consistently struggle with, and what can be done — with existing and future standards — to ease the burden on implementors.
Gilles Landais	Investigating a user-registry search engine	5+2	R&D for a registry search engine based on OpenSearch
Yunfei Xu	Astronomical Context Service: Use Cases and Requirements for an AI-Oriented VO Registry	10+2	
Discussion	AI and the VO Ecosystem: Registry and Operations perspectives	25	Discussion on AI and the VO Ecosystem • Report of the ADASS bof "How to cope with the rapidly increasing number of aggressive incoming requests?" • AI Scraping and Its Impact on Registry and VO Services • AI Agents Interacting with VO Services

VO Services – Health & Compliance

Henrik Norman talk: Improving the Data Access Services in the VO

MONITORING

~35,000 services monitored twice a month
~1,300 with compliance issues

PROVIDER ENGAGEMENT

90% response rate

More issues fixed than new ones appearing

POSITIVE TRENDS

38 providers in the Hall of Fame (+11 in 6 months)
~60% TAP compliance, up from just a handful of fully compliant services 2–3 years ago

Monitoring and active collaboration make a real difference!

AI Scraping and Its Impact on the VO Ecosystem

Gregory Mantelet report of the ADASS BoF
Open discussion

GROWING TRAFFIC

- Massive increase in automated requests and unique IPs.
- Example: CDS went from ~150,000 to ~14 million unique IPs per month.
- Difficult to identify scrapers: requests often look like normal user traffic.

OPERATIONAL IMPACT

- Increased server load and resource consumption.
- Service overloads, downtime and polluted logs.
- Protective measures may also affect legitimate users.

MITIGATION STRATEGIES

- Rate limiting, Web Application Firewalls (WAF) and infrastructure scaling.
- Authentication and different levels of access restrictions.
- No silver bullet: all approaches have limitations.

Sharing experiences and coordinating efforts across the VO community is essential!

Thank You



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