

Registry + Ops
On behalf of
Landais/Dower/Civera/Norman





Registry

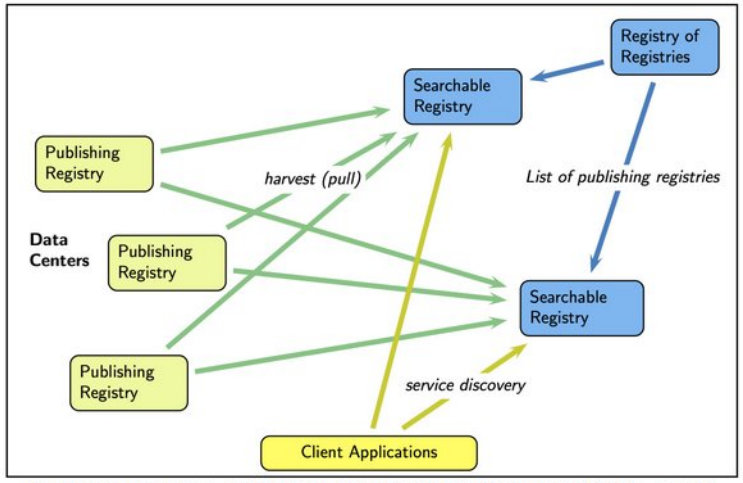
Chair: G.Landais (CDS), vice-chair: Theresa Dower (STScI)

The Registry ?

The IVOA **Registry Working Group** defines standards for making resources available online through the Virtual Observatory. This includes the **description of services, datasets, standards, and authorities**.

The Registry Ecosystem

- Records are published by Data Center via "**publishing registries**"
- Publishing registries are managed by **RofR** (Registry of Registry)
- **Full registry** collects records from "publishing registries" (OAI-PMH)
- Client uses Full Registry (RegTAP, OAI-PMH).



The Registry Ecosystem - Credit: Markus Demleitner in Demleitner et al. 2014A&C.....7..101D

Current activities

- VODataService 1.3:
  an registry extension to describe datasets and services.The new version provides new metadata and (in option) statistics on published tables

- Active development
  - new Registry (Java) implementation (P.Harrisson, announcemed in registry@ivoa.net)
  - Benson RofR (Python) implementation (by D.Jenkins, development status)
  - Investigation on registry : opensearch, AI



Registry session



Joined session Registry / Ops

P. Lesidaner (in remote : G. Landais, T. Dower, T.Civera, H.Norman)

- Registry status and VO weather reports (Ops)
- AI impacts on Regisry and VO services

November 7 November, 2026 @14:00 (GMT+8)				
Speaker	**Title**	**Time**	**Abstract**	**Material**
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	