Registry Working Group - IVOA InterOp Nov 2023 Tucson

Chairs: Renaud Savalle (PADC/Obs Paris) and Tess Jaffe (NASA GSFC)

Slack: ivoa.slack.com #registry

Mailing list: registry@ivoa.net

Goal: Enable data providers to publish, and users to find VO resources (services, datasets…)
by constraints (ex: service type, keywords, coverage etc.)

How: Harvest (OAI-PMH) + Consolidate (RegTAP) + Validate resources. Build discovery interfaces

Review Article (2014) "The virtual observatory registry" by M. Demleitner et al. 2014A&C…..7..101D

Main Standards and Schemas

➡ **For publication:** VOResource + *RegExt (extensions): VODataService…
➡ **For discovery**: RegTAP+ADQL + controlled vocabularies maintained by Semantics WG

Key activities from 2023ARoadmap

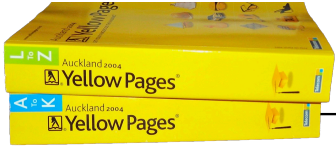**Latest WD Documents:**
- **StandardsRegExt-1.1**
- **DocRegExt-1.0**
- **VOResource-1.2**
- **RegTAP-1.2**

- Develop and maintain the new **pyvo.registry** search API based on constraints
- Pursue Registry WG + EDU IG **"onboarding" collaboration** to help data publishers register their services
- Work on facilitating discovery of data collections by **product type** (eg "timeseries")
- Continuously **curate and validate** the Registry

Interested ? Please attend our Session:
Saturday Nov 11 2023 @14:00 MST: Steward, Room 204 and online (Session 7)

v1.0

Registry Session: Saturday Nov 11 2023 @14:00 MST: Steward, Room 204 and online (Session 7)

Schedule

Saturday November 11, 202 @14:00 MST: Steward Room N210 and online (Session 7)				
Speaker	**Title**	**Time**	**Abstract**	**Material**
Renaud Savalle, Hendrik Heinl	Report on recent data publishers onboarding activites	10+5	The IVOA registration process can appear complex and needs a better onboarding process. We will report on an effort recently started by the Registry WG and the Education IG to help data providers with registration of their services and data collections. In October 2023 we organized a telecon where several data providers, both new and established, shared their experience maintaining a IVOA publishing registry. We'll present the main topics covered and discuss how to best pursue that effort.	
Markus Demleitner	The harvest trigger service	10+5	When data centres update their registry records, it usually takes about half a day until a full registry harvests them and notices the change. However, there are times when one would like to see the effects of a change in a client – which uses a searchable registry – immediately. The harvest trigger service enables that for the searchable registry at dc.g-vo.org. This talk briefly discusses the details.	
All	Discussion: Python as a registry client for the end users	60	How do we want programmers to use the Registry from Python ? How do scientists use PyVO to find resources and learn how to use them ? We'll discuss several use-cases and produce an outline of user-friendly updates we propose to make to PyVO or astroquery. Please add use cases or suggestions to this Google Doc: https://docs.google.com/document/d/1ayBvOMC7cHb02ERZyJGq-MYSn-ORHtvCo4Y1jhYssYo	