

Registry Working Group - IVOA InterOp June 2025 CP



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

Slack: [#registry](https://ivoa.slack.com)

Mailing list: registry@ivoa.net

Sessions Summary

Registry Session #1: Tuesday June 3, 2025 @11:00-12:30 ET (1/2)

➡ Chairs: Intro

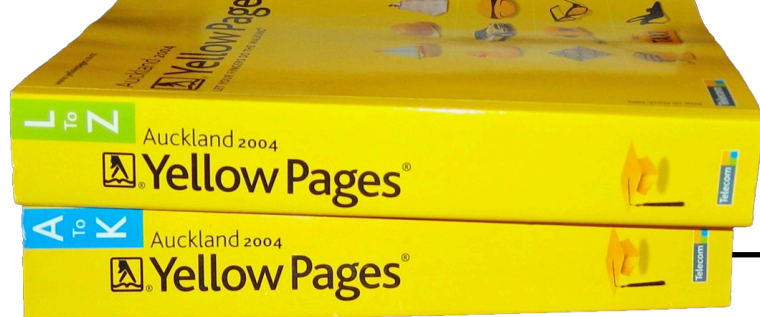
- Documents Status
- New: Discovering resources **using UAT terms** with PyVO new version 1.7
- Presentation of the Registry Spring Cleaning hackathon (Registry Session #2) and **GitHub project board and Python NB**

➡ Hendrik Heintz INAF : Onboarding to the VO: Services, Data (models), People

- Challenges: support needed from inexperienced data providers wanting to publish, from new communities (HE IG)
- Possible actions: website + hands-on workshops & house calls/visits. Funding problems
- Established providers also have outdated services which will break
- IVOA could offer contacts to get in touch as: data creators, stewards, to become IVOA contributors
- Staffing is difficult with mostly short-term contracts in current environment of scientific infrastructure
- Take-away message for stakeholders: we need to recruit new young people to become experts

➡ Renaud Savalle PADC: StandardsRegExt-1.1 and OpenAPI

- Reminder of the contents of this Standard in RFC
- Proposal (for next version 1.2) to embed OpenAPI specs. Need an OpenAPI repo first
- DCAT already using OpenAPI



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Sessions Summary

Registry Session #1 (2/2)

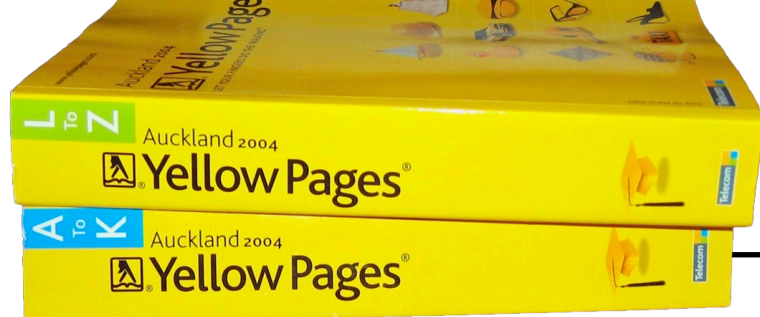
➔ Gilles Landais CDS : Use VODataService-1.3 for Vizier records

- Expertise with dissemination with not only the VO but also harvesting by ADS, DataCite, then EUDAT and EOSC, Google...
- Need to improve relationships between tablesets and services (see InterOpMay2024Registry) for discovery use-case
- In Vizier some metadata is assigned at Catalog level (DOI), and other at table level
- Requirements: keep Vizier architecture's granularity to avoid breaking current harvests and usage
- Proposal using VODataService-1.2: introduce for each Vizier Catalog one DataResource (containing curation metadata)
- Link that DataResource to several CatalogServices (with only related table and one service)
- Use 2-way relationships between DataResource and CatalogServices
- Discussion... solve this with new version of SCS ? We need to continue with running meetings

➔ Markus Demleitner Univ. Heidelberg/GAVO: Metadata for continuously updated (CU) resources

- Address data published by running observatory taking data or VOEvent stream with new data
- Use-case 1: Coverage: locate new data after the CU resource has been registered
- Use-case 2: Mutability: Registry query against CU resources give different results in time and must be re-issued later
- Proposal: do not ask data provider to update resource record every time they to update their data holdings
- Let's instead ask them to use dates in the future
- Consumers will need to revisit later to check on new data

➔ Discussion (20')



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Registry Session #2: Spring Cleaning Hackathon: Thursday June 5, 2025 @14:00-15:30 ET

- Housekeeping work planned since InteropMay2024
- Project Board: Identify problems and issues needed to be fixed, affect them to WG members
- Python Notebook: RegTAP queries and comparison functions
- 3 groups
 - Python code
 - MAST: UCDs
 - HEASARC: UAT subjects
- Successful session: we had the critical mass of attendees willing to actually do things and made progress