

Registry Working Group - IVOA InterOp Nov 2024 Malta



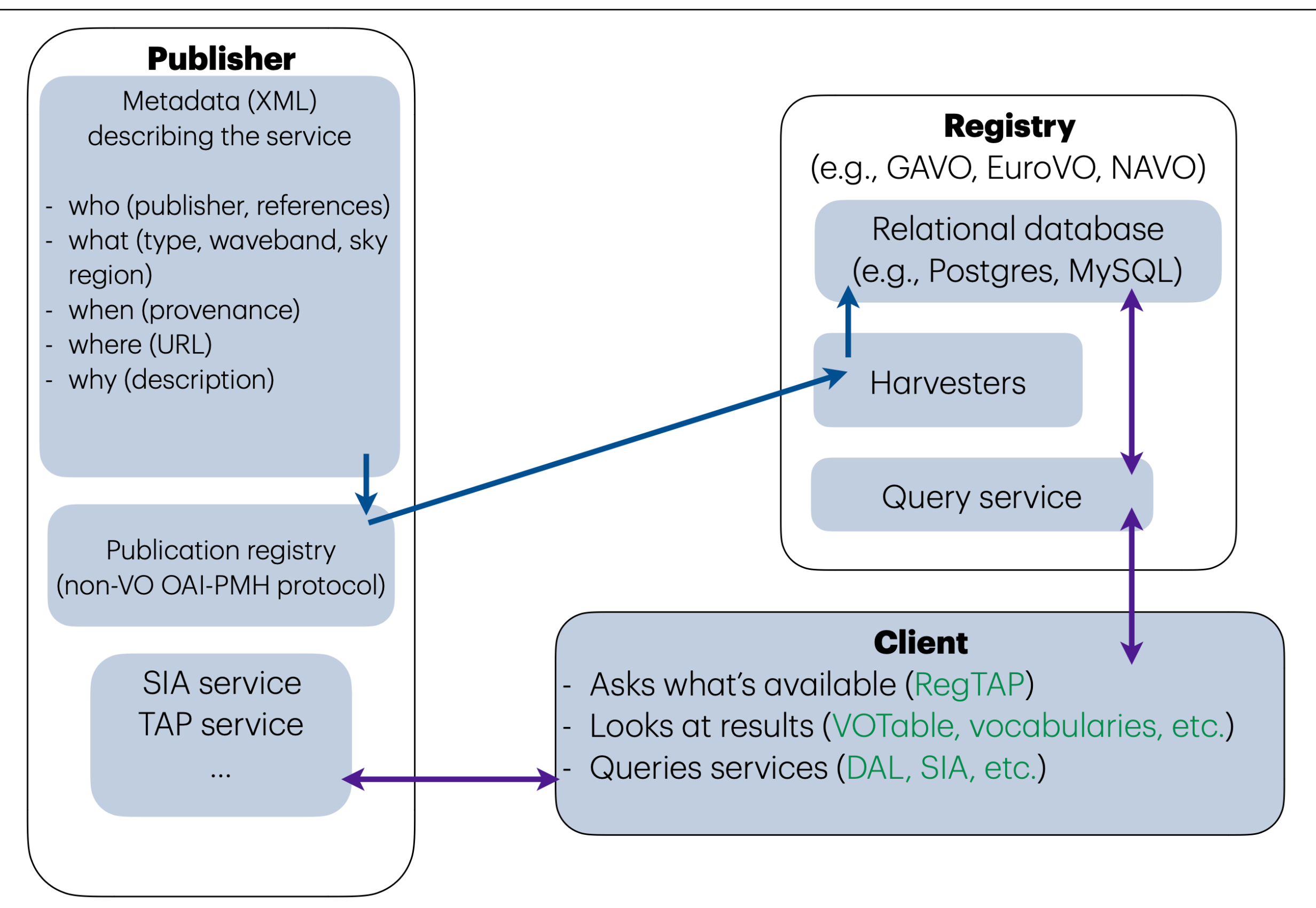
Chairs: Renaud Savalle (PADC/Obs Paris) and Tess Jaffe (NASA GSFC)

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

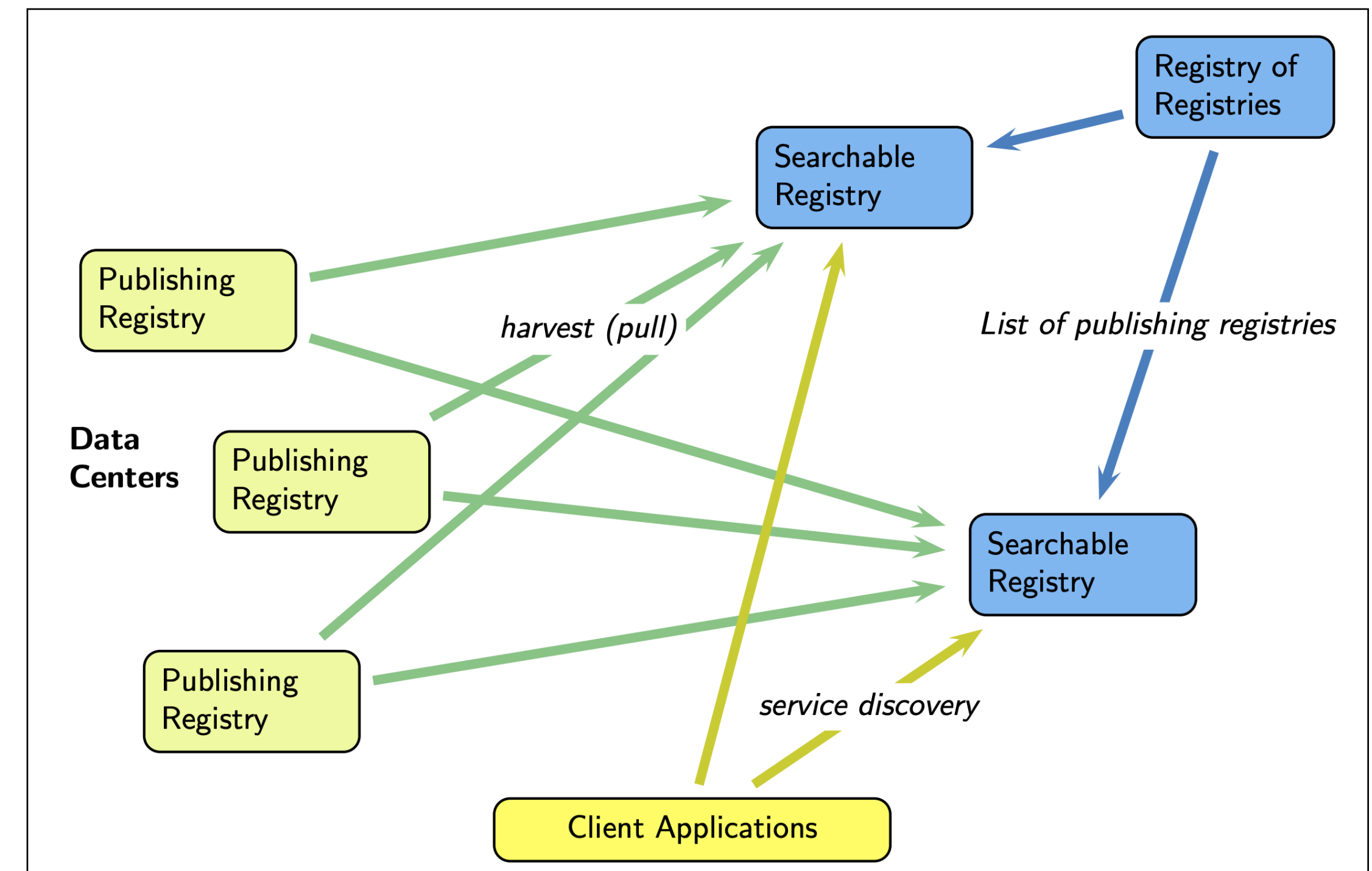
Goal: Enable data providers to publish, and users to find VO resources (services, datasets...) using constraints (ex: service type, keywords, sky coverage...)

Mailing list: registry@ivoa.net

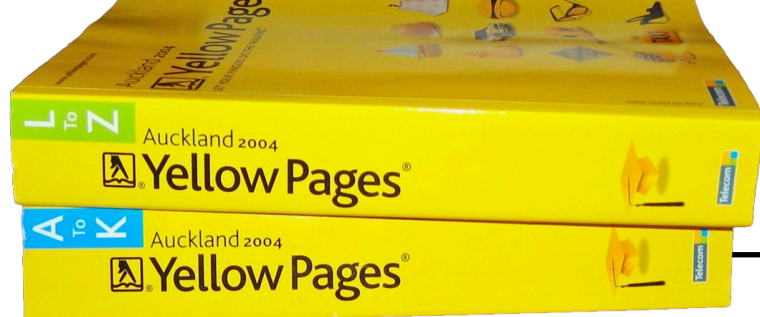
How: Define standards for publishing resources, Harvest + Consolidate them, Validate them. Build discovery interfaces



The Big Picture - Credit: Tess Jaffe



The Registry Ecosystem - Credit: Markus Demleitner



Main Standards and Schemas

➔ For publishers

- **VOResource**: common data model for all VO resources
- **VODataService**: extends VOResource to describe specialized types for describing services, collections, tables
- VOResource Schema extensions (**TAPRegExt**, **SimpleDALRegExt**, **StandardsRegExt**, **DocRegExt**, ...) further define how to register certain resources
- Controlled vocabularies maintained by the Semantics WG (ex: Data Product Type, Relationship types...)

➔ For discovery clients

- **RegTAP+ADQL**

Key activities from 2024ARoadmap

- Improve “all VO” discovery workflows through:
 - supporting pyvo.registry search interface and working on global discovery
 - consistent Registry practices by providers in general
 - addition of productTypeServed to VODataService (and RegTAP)
- Pursue Registry WG + EDU IG “onboarding” collaboration to help data publishers register their services
- Continuously curate and validate the Registry, institute a yearly Spring Cleaning

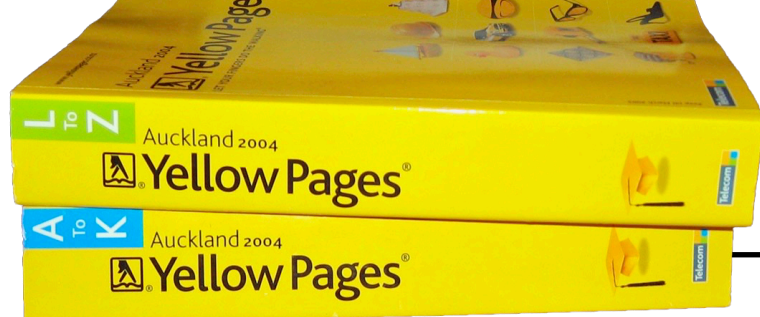
Latest Documents:

- **RegTAP-1.2 REC**
- **VOResource-1.2 RFC**
- **VODataService-1.3 WD**

- **StandardsRegExt-1.1**
- **DocRegExt-1.0**

Interested ? Please attend our Session:

Saturday November 16, 2024 @14:00-15:30 CEST (Session #7) Room 103



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Speaker	Title and Abstract	Materials	Time
Christophe Arviset, Henrik Norman (ESAC)	Registry statistics per country Following discussion within the IVOA Exec about how much the VO protocols spread worldwide, in particular within the IVOA partners, an action has been set to try to identify these through the VO Registries, either as managed authorities or through VO Resources, in particular Data Access services (i.e. TAP, CS, SIAP, SSAP, HiPS , ...). This presentation will show an attempt to provide such information through the Euro-VO Registry.		15+5
Robert Nikutta (NOIRLab)	A New VO Publishing Registry Framework at NOIRLab The ability to discover NOIRLab's data services through the VO Registry was long overdue. A process that began at the Bologna Interop has lead to fruitful discussions, followed by an implementation and roll-out of a NOIRLab publishing registry. I will present our journey to this point, including the implementation philosophy, open-sourced availability, and documentation.		15+5
Markus Demleitner (Univ. Heidelberg)	VOResource-1.2 Since VOResource 1.2 is in PR now, I will give a brief overview of the changes -- mainly, allIdentifiers (DOIs, orcid) on all resource names and the syntax for UAT references in the subjects and how data providers can exploit them. I will also discuss what this means in terms of discovery.	notes	10+5
Markus Demleitner (Univ. Heidelberg)	Writing a Registry Record that People Will Find When you write up the metadata for your VO resource, getting it syntactically right – schema validation – is good. But you can do better if you keep in mind that you want to be found, too. Whether that's the case for your record is something no machine can tell you (so far). In this talk, I will give a few practical examples with which to build a some common sense on what makes a record findable.	notes	10+5
All	Discussion		10