Slack: ivoa.slack.com #registry

Mailing list: registry@ivoa.net

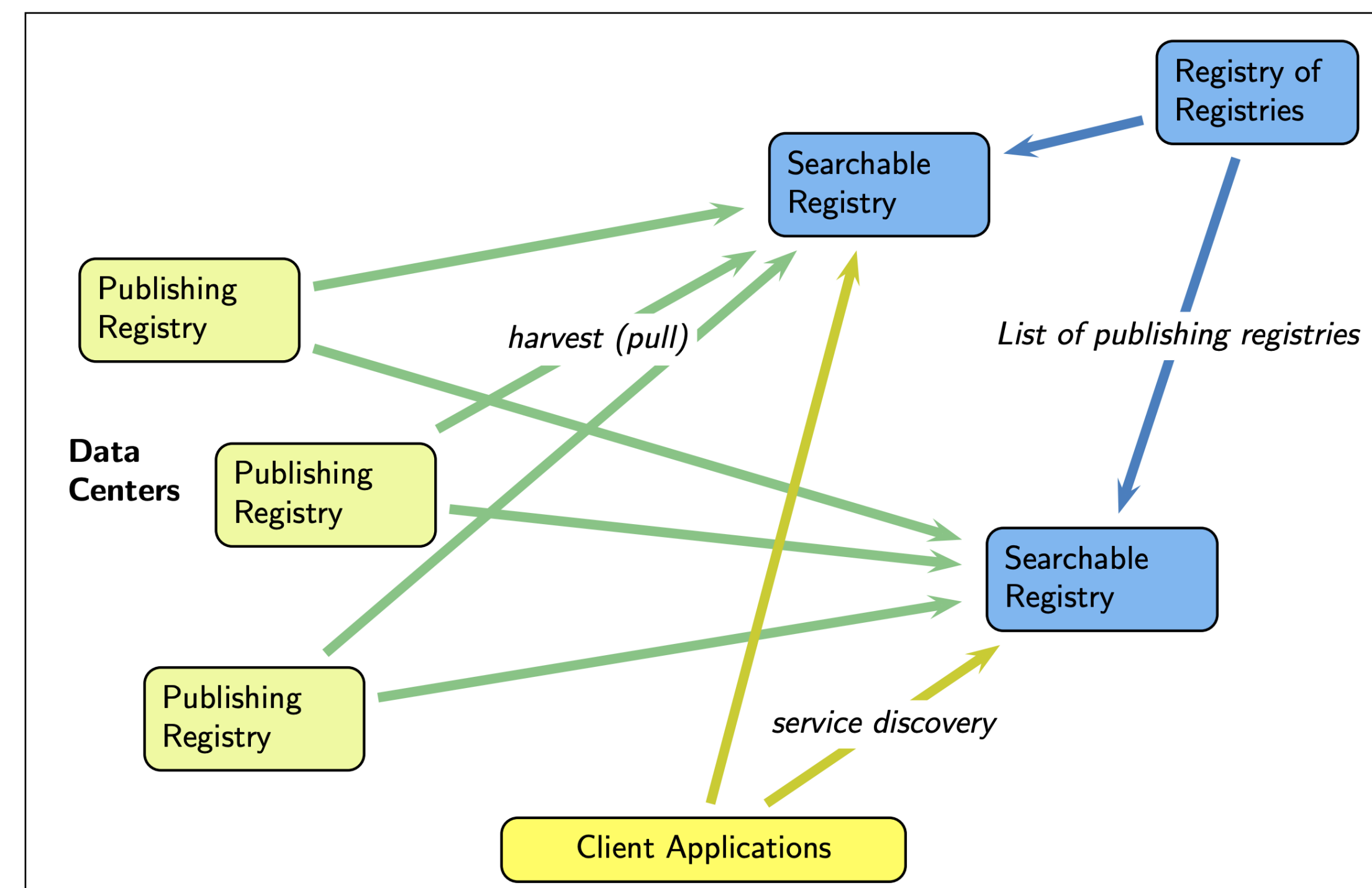Chairs: Renaud Savalle (PADC/Obs Paris) and Tess Jaffe (NASA GSFC)

Goal: Enable data providers to publish, and users to find VO resources (services, datasets…) using constraints (ex: service type, keywords, sky coverage…)
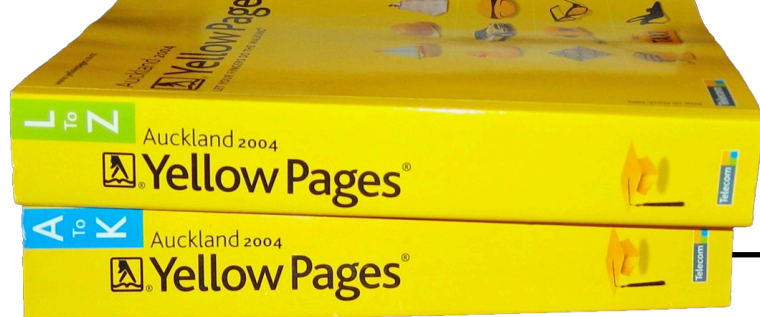
How: Define standards for publishing resources, Harvest + Consolidate them, Validate them. Build discovery interfaces
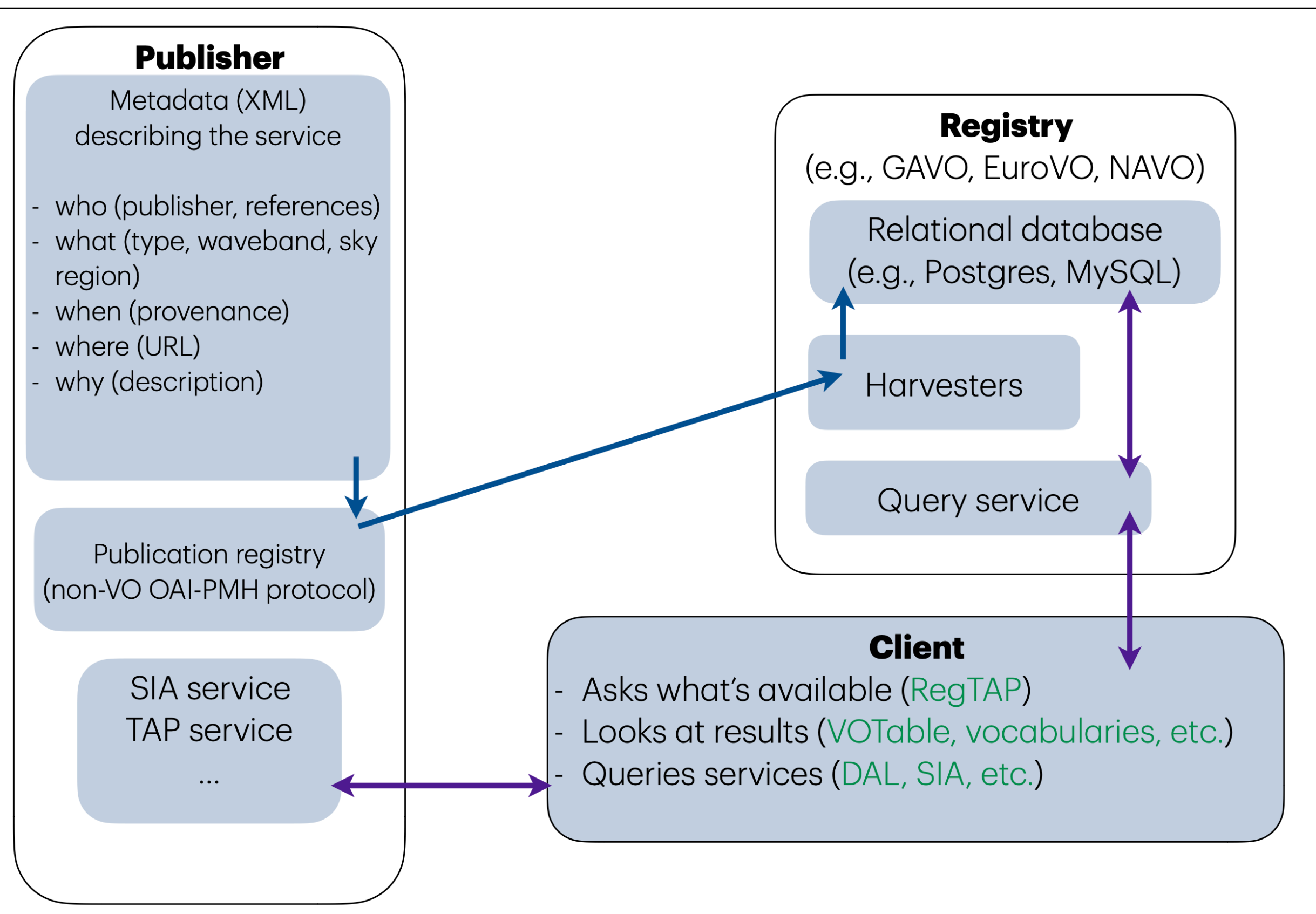
The Big Picture - Credit: Tess Jaffe

The Registry Ecosystem - Credit: Markus Demleitner

v1.1

Main Standards, Schemas + APIs

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

➡ **For discovery clients**
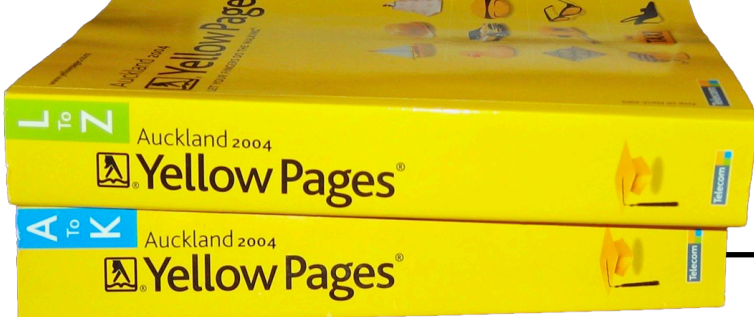 - RegTAP+ADQL; pyvo.registry

Key activities from 2024BRoadmap

- Helping other WGs to register new standards… (Obscore Extensions)
- Improve "all VO" discovery workflows through:
  - supporting pyvo.registry search interface and working on global discovery (pyvo v1.7: UAT)
  - consistent Registry practices by providers in general (hackathon)
  - addition of productTypeServed to VODataService-1.3 (then future RegTAP-1.3)
- Registry WG + EDU IG "onboarding" collaboration to help data publishers register their services (workshop?)
- Continuously curate and validate the Registry: (hackathon)
- Investigate "Serving Simulated Data in VO Services/Collections"…

Latest Documents:

- **RegTAP-1.2 REC**
- **VOResource-1.2 REC**
- **StandardsRegExt-1.1 RFC**
- **VODataService-1.3 WD**
- **DocRegExt-1.0**

Interested ? Please attend our Sessions:

▶ **Registry Session #1: Tuesday June 3, 2025 @11:00-12:30 ET (Session #3) Room 1309**
▶ **Registry Session #2: Spring Cleaning Hackathon: Thursday June 5, 2025 @14:00-15:30 ET (Session #12) Room 1309**

Registry Sessions

Registry Session #1: Tuesday June 3, 2025 @11:00-12:30 ET (Session #3) Room 1309

Speaker	Title and Abstract	Materials	Time
Renaud Savalle (PADC) (remote)	**Intro and Documents Status** Review of current WG work		5
Tess Jaffe (NAVO) (in person)	**The new Registry GitHub Project board and Spring Cleaning hackathon objectives** Presentation of Registry Session #2: Spring Cleaning Hackathon		5
Hendrik Heinl (INAF) (remote)	**Onboarding to the VO -- Services, Data(models), People** On behalf of 'usual suspects' I will give an update on the activities in regard of getting data providers on board the VO in general, as well as my experiences in a special use case at INAF-OATS.		10+5
Renaud Savalle (PADC) (remote)	**StandardRegExt and OpenAPI** I will give a short summary of the StandardRegExt-1.1 RFC status and propose a way to embed OpenAPI specifications to describe input/input parameters of a standard.		5+5
Gilles Landais (CDS) (remote)	**Use of VODataService for VizieR records** Starting from the current metadata issue concerning relations between tables and services , we propose to discuss on a serialization evolution that could be used in the current landscape. We will explore the new features described in VODataService1.2 and 1.3, to extrapolate and evaluate an other serialization.		10+5
Markus Demleitner (Univ. Heidelberg/GAVO) (in person)	**Metadata for continually updated resources** The Virtual Observatory contains quite a few resources that are continuously updated (observatory archives, VOEvent streams, etc). One question this raises is: what would be a useful temporal coverage specification for these? Perhaps more importantly: Can we come up with some metadata that lets clients decide for which resources a later re-visit will likely yield different results?		15+5
All	**Discussion** topics TBC		20

Registry Session #2: Spring Cleaning Hackathon: Thursday June 5, 2025 @14:00-15:30 ET (Session #12) Room 1309

Speaker	Title and Abstract	Materials	Time
Tess Jaffe (NAVO) (in person)	**Hackathon** The Registry Working Group has begun to keep a project board on GitHub where we can track and discuss issues with the metadata in the Registry. Incorrect or missing metadata make services and/or datasets harder to find, so fixing these issues to make a more complete and consistent Registry will improve the functioning of the entire VO ecosystem. Please come to our very first Spring Cleaning Hackathon at the Interop if you are interested in issues related to your own services' metadata or if you are interested more broadly in how to enable VO clients to find the right data and services. Current topics to get started with include: consistency among Registries; the usage of UCDs to describe tabular data; subject and concept metadata and the UAT; spatial coverage; and whatever else participants are interested in discussing and/or hacking on. Take a look at the Python notebook with examples of how to evaluate issues across the Registry or at specific publishers.	GitHub repo	90