

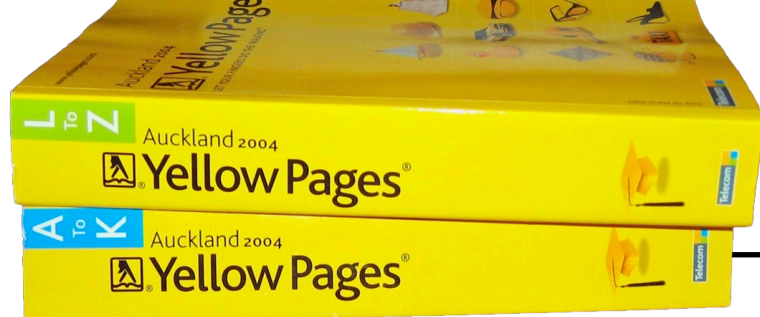
Registry Working Group - IVOA InterOp June 2025 CP



Registry Session #1

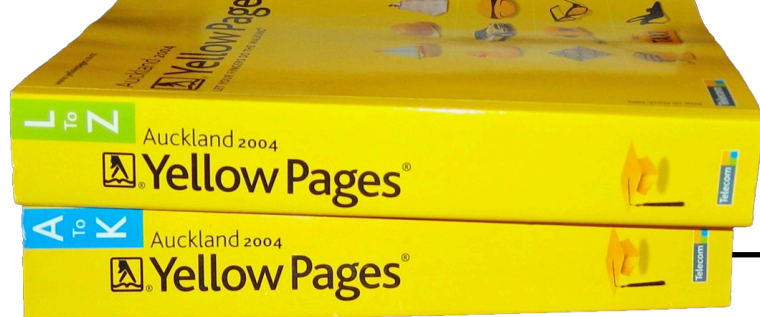
Schedule

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 Heintz (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/output 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.	pdf	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 -		20



Standard Documents Status

- ➡ **RegTAP-1.2 REC** since 2024-10-02
 - *mainly* coverage (stc_spatial, stc_temporal, and stc_spectral tables)
- ➡ **VOResource-1.2 REC** since 2025-04-16
 - Generalizes DOIs (or other identifier schemes like orcid) for elts of type ResourceName => relationship, authors...
 - Describe how to use the UAT (Unified Astronomy Thesaurus) for subjects/keywords (implemented in pyvo v1.7)
 - Describes how to cite licenses using SPDX URIs
 - The bibliographic source can now be declared machine-readably with DOIs, too (before, there were only bibcodes).
- ➡ **StandardsRegExt-1.1 RFC in progress:** <https://wiki.ivoa.net/twiki/bin/view/IVOA/StandardsRegExt11RFC>
 - cf talk Renaud Savalle
- ➡ **DocRegExt-1.0 WD WD** <https://github.com/ivoa-std/DocRegExt>
 - RFC planned for fall 2025, (talk at next Interop)
- ➡ **VODataService-1.3 WD** <https://github.com/ivoa-std/VODataService>
 - productTypeServed for data publishers
 - opportunity for adding other changes
 - cf talk Gilles Landais
- ➡ **RegTAP-1.3 NEXT**
 - productTypeServed for clients/applications



Discovering resources using UAT terms in pyvo 1.7

Example Code

```
In [1]: from pyvo import registry
```

```
In [2]: len(registry.search(registry.UAT("nebulae")))
Out[2]: 92
```

```
In [3]: len(registry.search(registry.UAT("nebulae", expand_down=2)))
Out[3]: 1142
```

```
In [4]: len(registry.search(registry.UAT("supernova-remnants", expand_up=1)))
Out[5]: 1328
```

Documentation

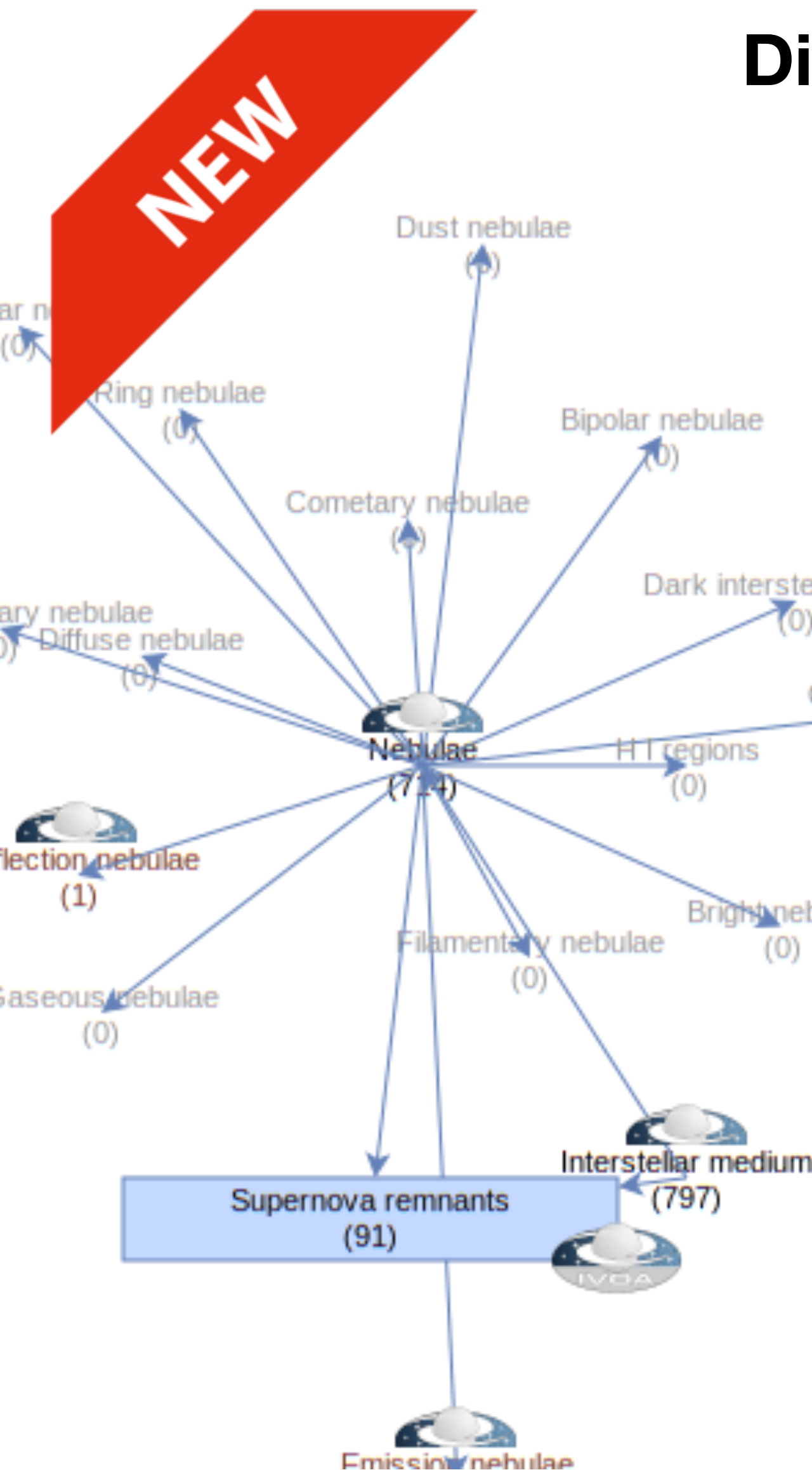
<https://pyvo.readthedocs.io/en/latest/api/pyvo.registry.UAT.html>

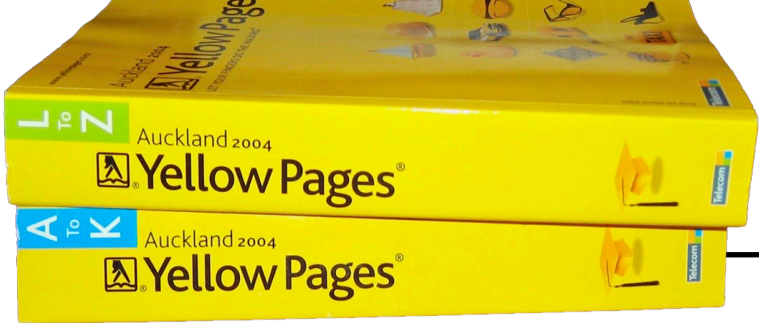
expand_up: int

In addition to the concept itself, also include expand_up levels of parent concepts (this is probably rarely makes sense beyond 1).

expand_down: int

In addition to the concept itself, also include expand_down levels of more specialised concepts (this is usually a good idea; having more than 10 here for now is equivalent to **infinity**).





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