Adding value to research data

Collaboration between APO, VIVO and Research Graph

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eResearch Australasia 2018

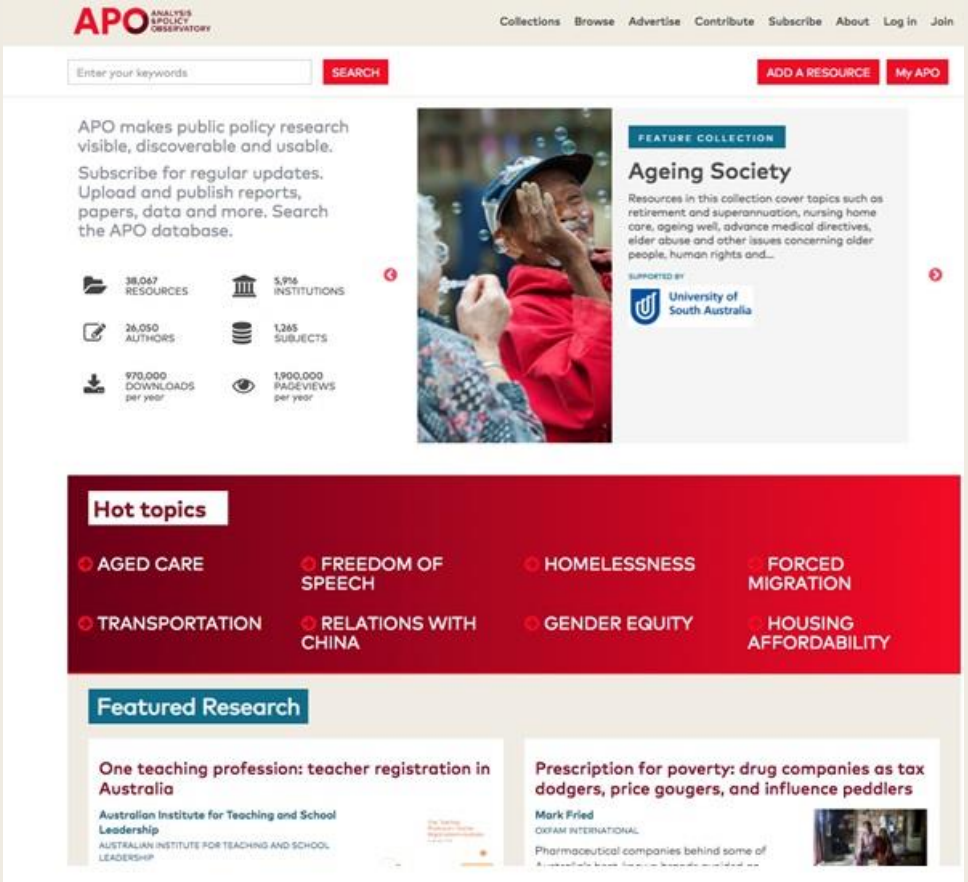
Agenda

- About APO
- Research Graph Augment API
- APO Augmented Graph
- DOI Fuzzy search
- Plan for integration of Augmented data (pilot outcome)
- Future roadmap

About APO

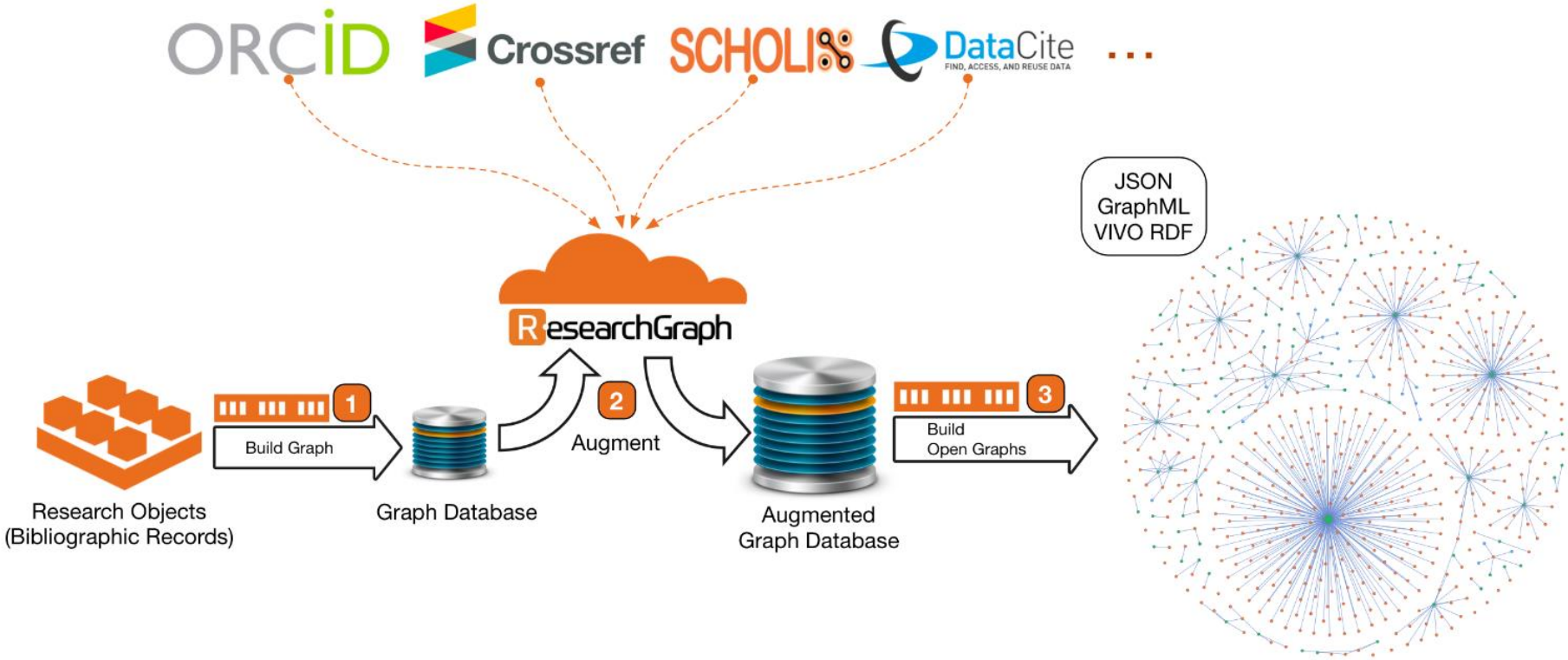
Established in 2002, a digital library of grey literature produced by Gov, NGOs, University research centres, think tanks, consultants and more...

apo.org.au

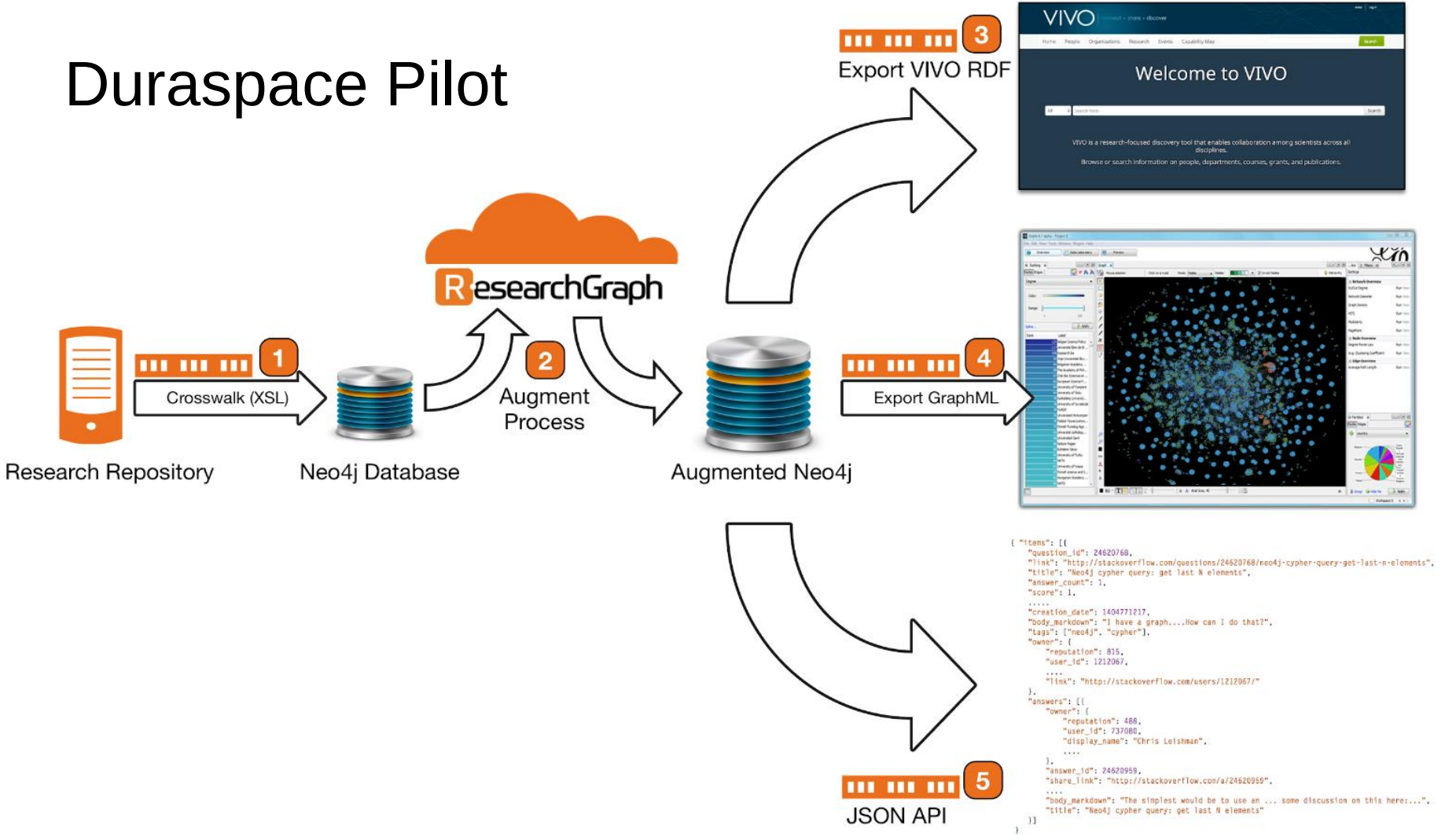


Augment API

ResearchGraph

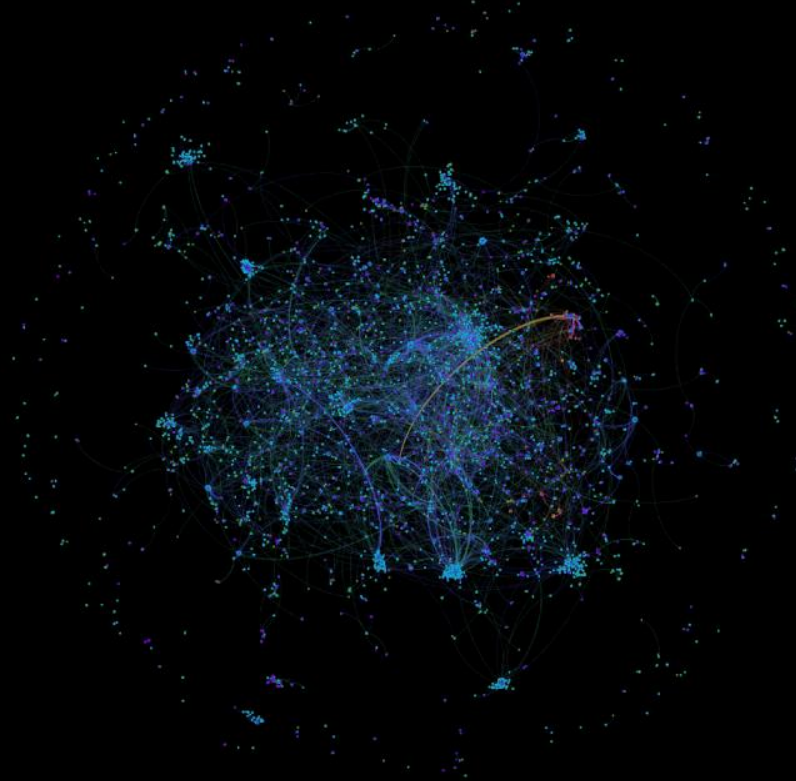


Duraspace Pilot



APO ANALYSIS & POLICY OBSERVATORY

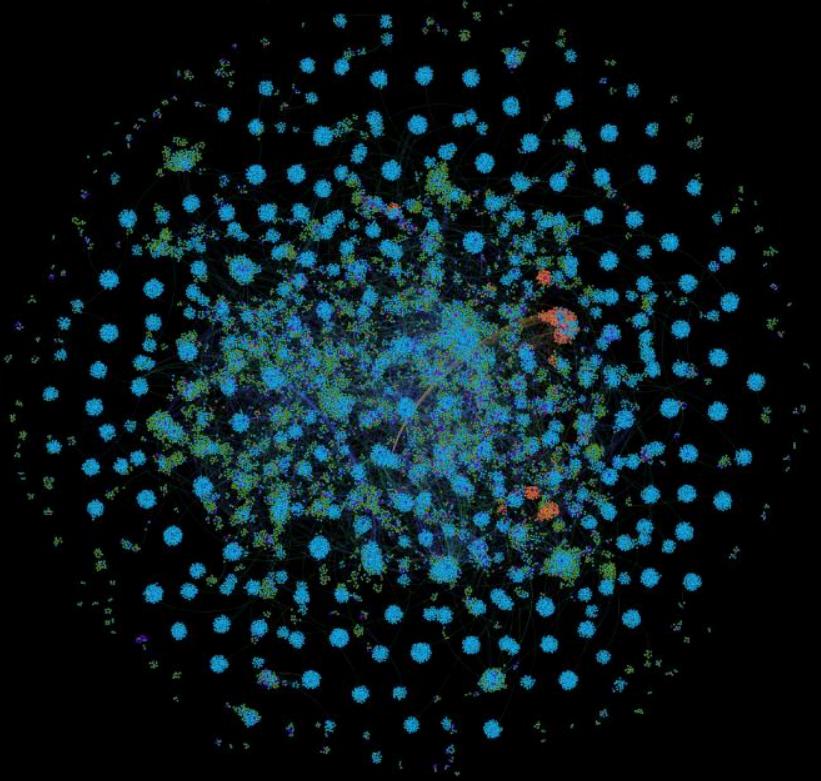
Original Graph from APO's Repository



ResearchGraph

Augment API

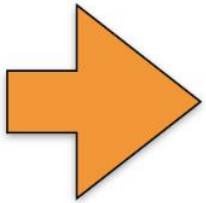
Augmentated Graph



71% Increase in Linked Publications

```
match (n:apo)
return n.type, count(n)
```

"n.type"	"count(n)"
"dataset"	1,708
"publication"	25,959
"researcher"	21,621
"auxiliary"	5,365



```
MATCH (n)
RETURN n.type, count(n)
```

"n.type"	"count(n)"	
"dataset"	1,727	
"publication"	**44,542**	**71% increase**
"researcher"	22,090	
"auxiliary"	5,365	

PIDs before and after Augment API

	APO Original Data	After Augment API
DOI	981	**12,051**
ORCID	409	**878**
Scopus_eid	0	**8,358**

What to do with the augmented data?

- Augmented data can be imported into APO database without any new changes to the APO interface

- Current APO navigation is based on typical 2-click method

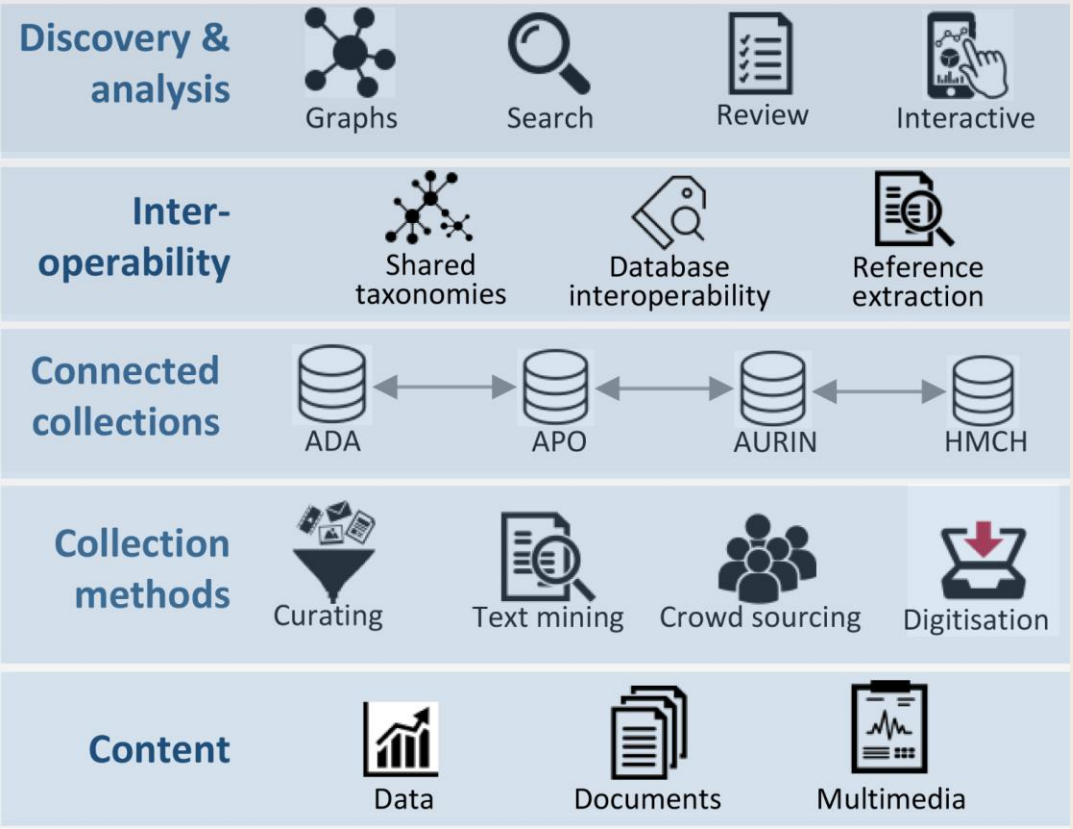
- APO resource page is currently geared towards displaying semantic attributes but not formal *relationships*

APO roadmap

- We are considering how to bring relationships into the foreground and in new and innovative ways

- “more like this” and “related” information need to be communicated and presented to our audience in an intuiative and helpful way

ARC LIEF Linked Semantic Platforms



- New and extended policy research **collections**
- **Connections** across existing research infrastructure projects using persistent identifiers and shared taxonomies
- **New tools and infrastructure** for discovery and analysis

Tools for discovery and use

Discovery & analysis

Graphs

Search

Review

Interactive

Connecting organisations, authors, topics, resources using concept of the graph database

Semantic search: finding without searching

Thank you

Questions?

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http://www.apo.org.au
http://www.researchgraph.org