

# Adding value to research data

Collaboration between APO, VIVO and  
Research Graph

Presentation by Les Kneebone  
*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

**APO** ANALYSIS & POLICY OBSERVATORY

Collections Browse Advertise Contribute Subscribe About Log in Join

Enter your keywords **SEARCH** **ADD A RESOURCE** **My APO**

APO makes public policy research visible, discoverable and usable. Subscribe for regular updates. Upload and publish reports, papers, data and more. Search the APO database.


- 38,047 RESOURCES
- 5,916 INSTITUTIONS
- 26,050 AUTHORS
- 1,385 SUBJECTS
- 970,000 DOWNLOADS per year
- 1,900,000 PAGEVIEWS per year

**FEATURE COLLECTION**

**Ageing Society**

Resources in this collection cover topics such as retirement and superannuation, nursing home care, ageing well, advance medical directives, elder abuse and other issues concerning older people, human rights and...

SUPPORTED BY

 University of South Australia

**Hot topics**

- AGED CARE
- FREEDOM OF SPEECH
- HOMELESSNESS
- FORCED MIGRATION
- TRANSPORTATION
- RELATIONS WITH CHINA
- GENDER EQUITY
- HOUSING AFFORDABILITY

**Featured Research**


**One teaching profession: teacher registration in Australia**

Australian Institute for Teaching and School Leadership  
AUSTRALIAN INSTITUTE FOR TEACHING AND SCHOOL LEADERSHIP

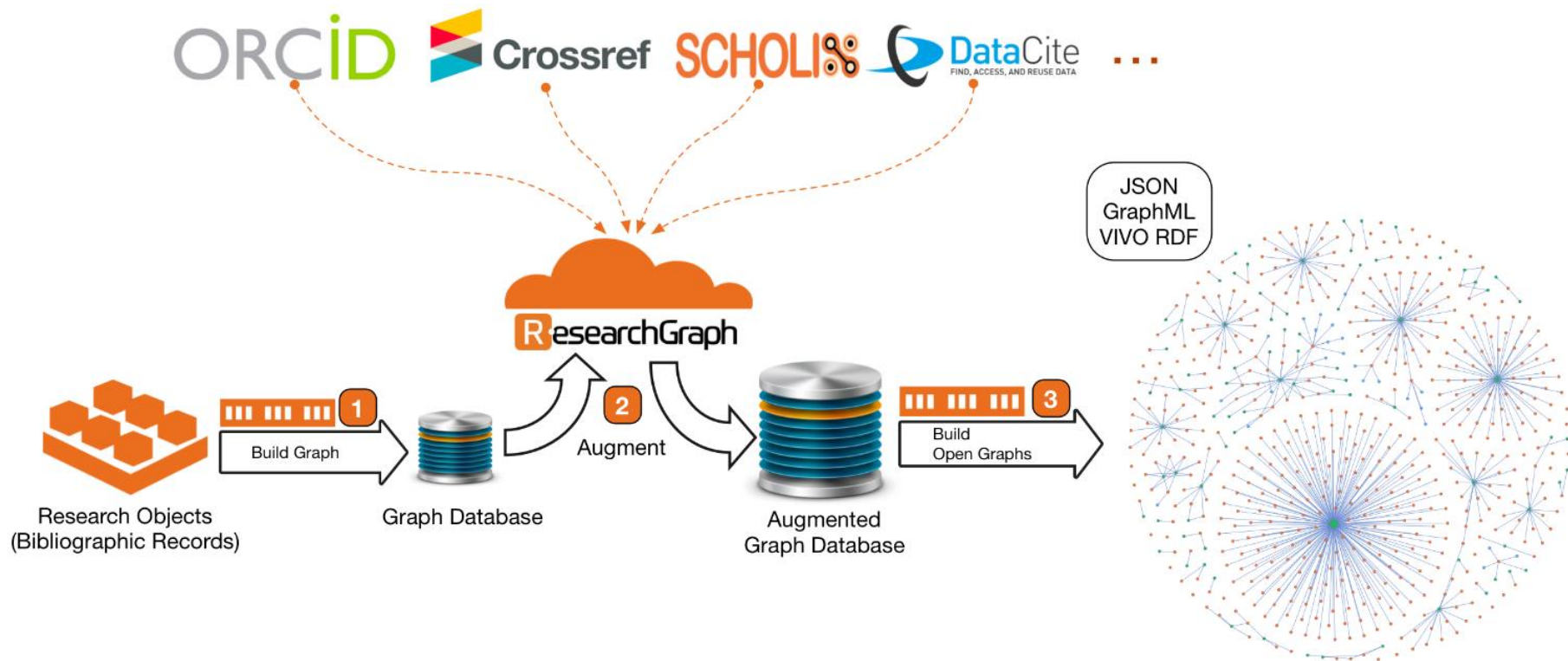
**Prescription for poverty: drug companies as tax dodgers, price gougers, and influence peddlers**

Mark Fried  
OXFAM INTERNATIONAL

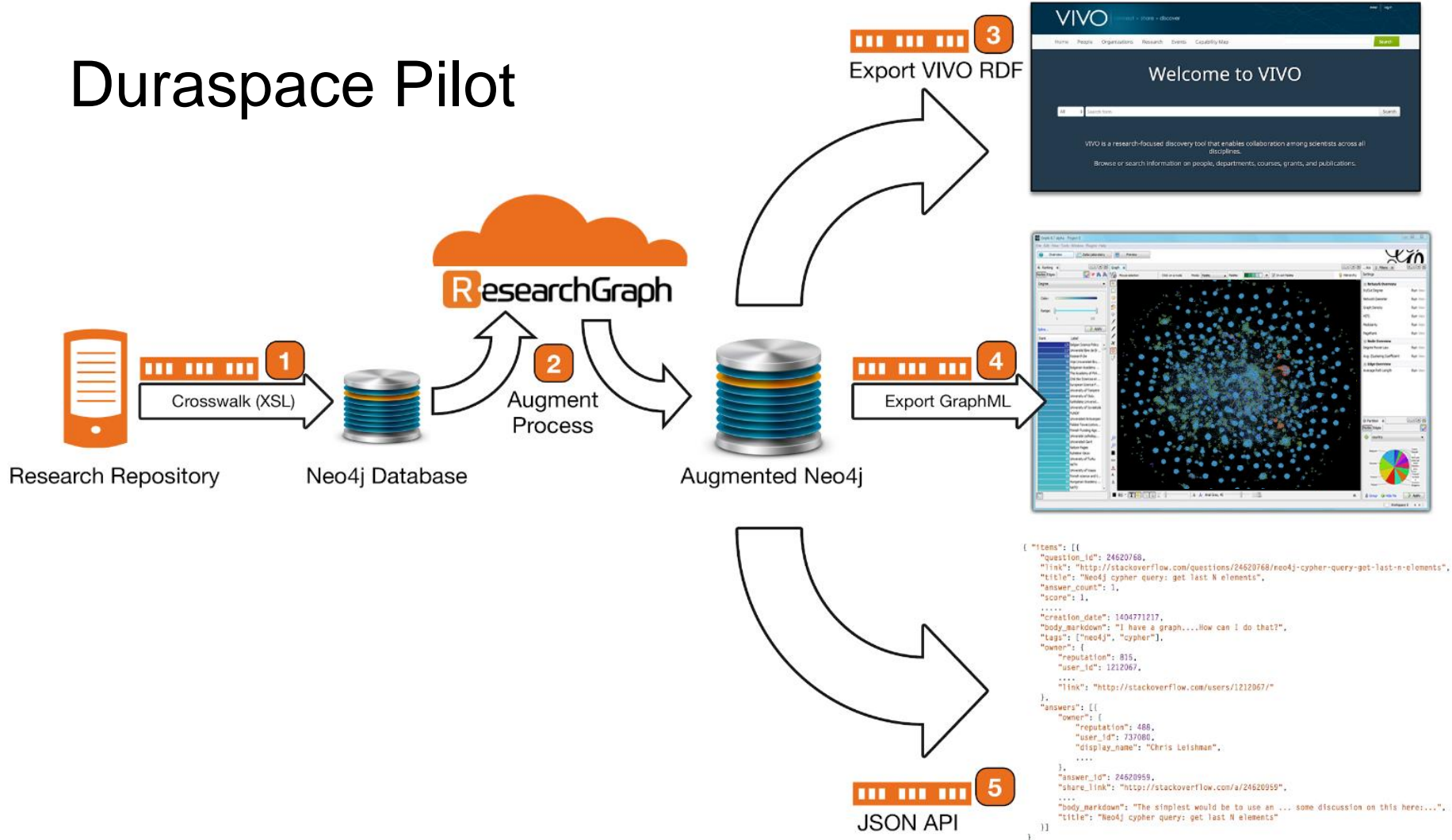
Pharmaceutical companies behind some of the world's most powerful lobbies



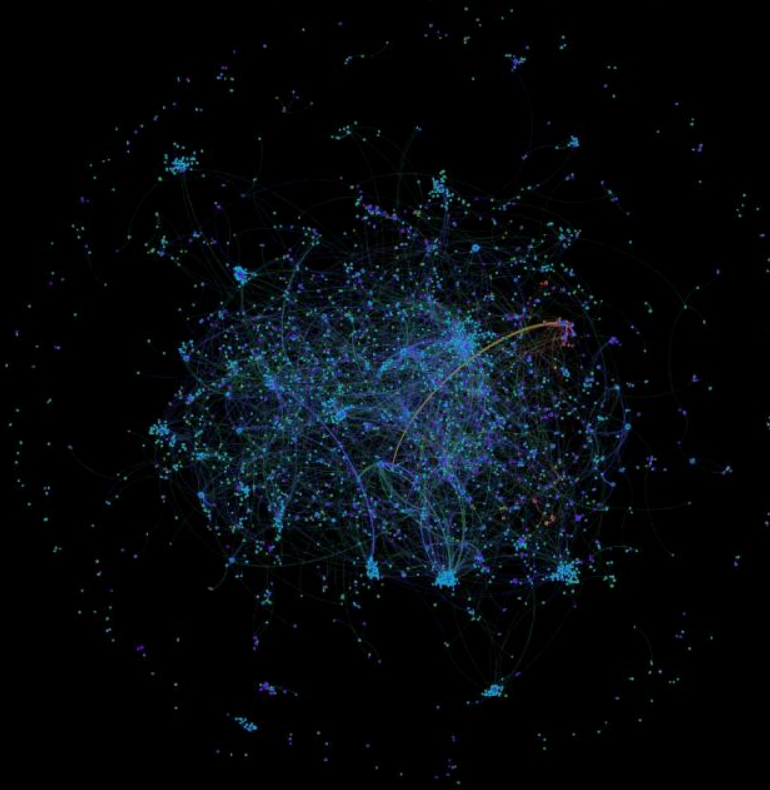
# Augment API



# Duraspace Pilot

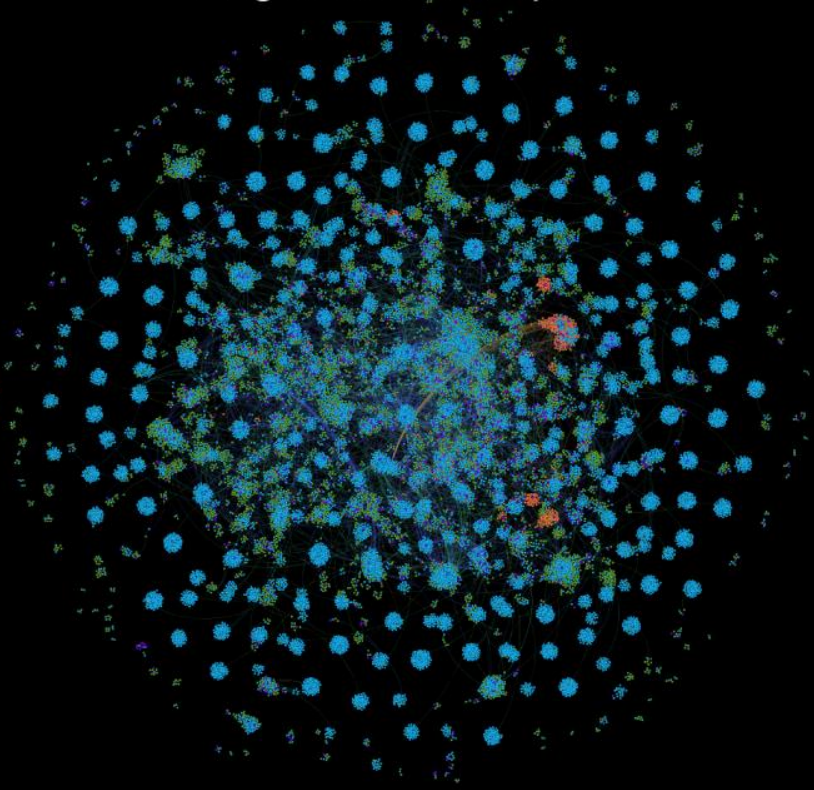


Original Graph from APO's Repository



**R**esearchGraph  
Augment API

Augmentated Graph

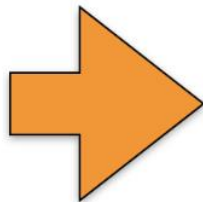




# 71% Increase in Linked Publications

```
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
"researcher"	22,090
"auxiliary"	5,365

71% increase

# PIDs before and after Augment API

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



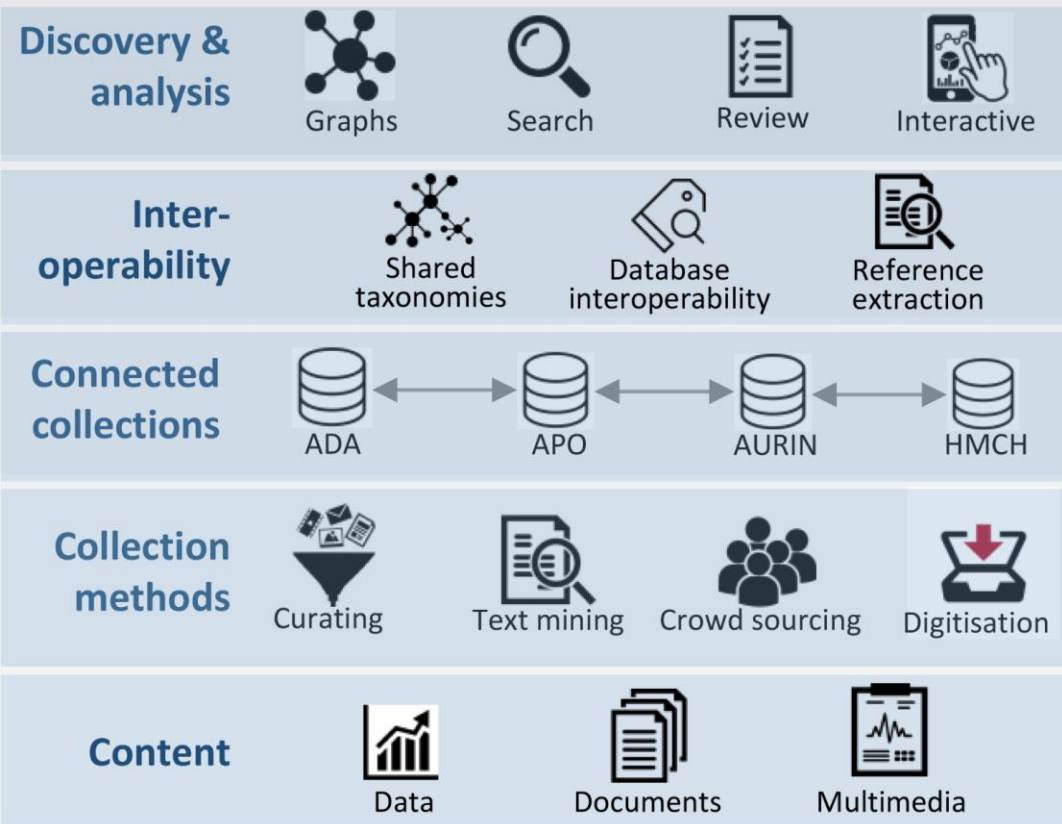
# What to do with the augmented data?

- 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 intuitive 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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