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Research Dashboards

The pursuit of T.H.E Top 100 under 50

Session 2.2 “How UC are using dashboards to track improvement in their research capability”

Introductions

Rebecca Armstrong – University of Canberra

Chris Dyne – Altis Consulting

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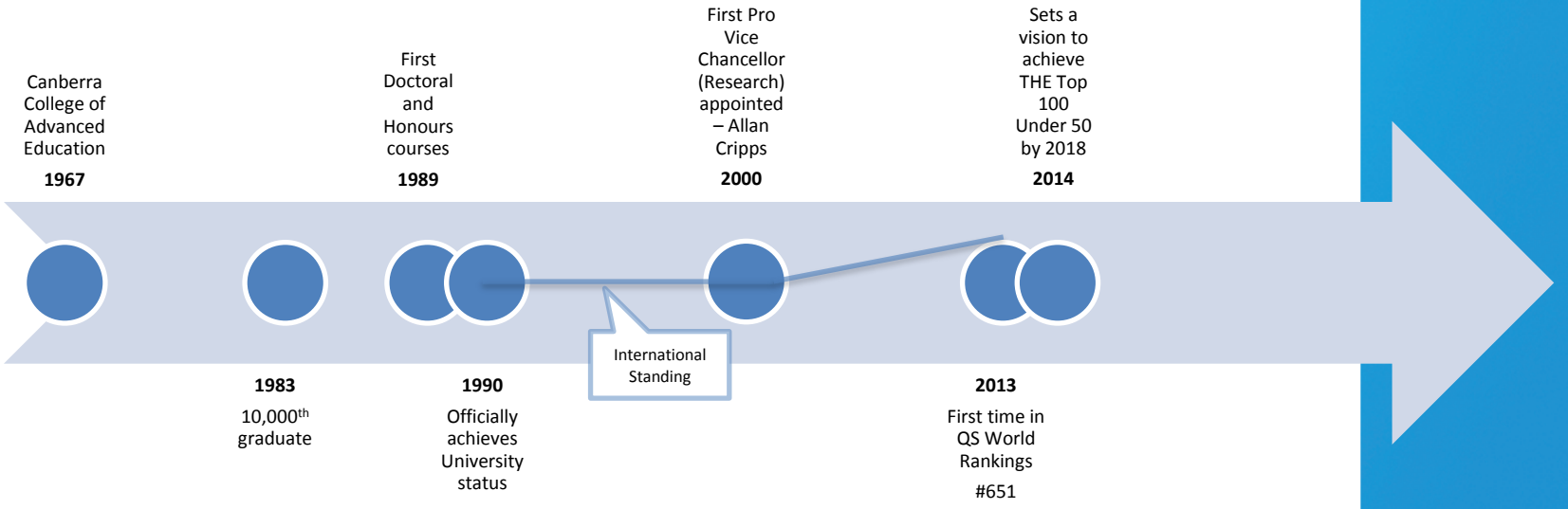
Agenda

- Background
- Live Demonstration
- Architecture
- Challenges
- Outcomes and Benefits
- Q&A

Background



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Aspirations

"Our research will be of high quality and highly cited, focusing on discoveries and applications which lead to early improvements in the changing world around us"

-Professor Frances Shannon, DVC-R

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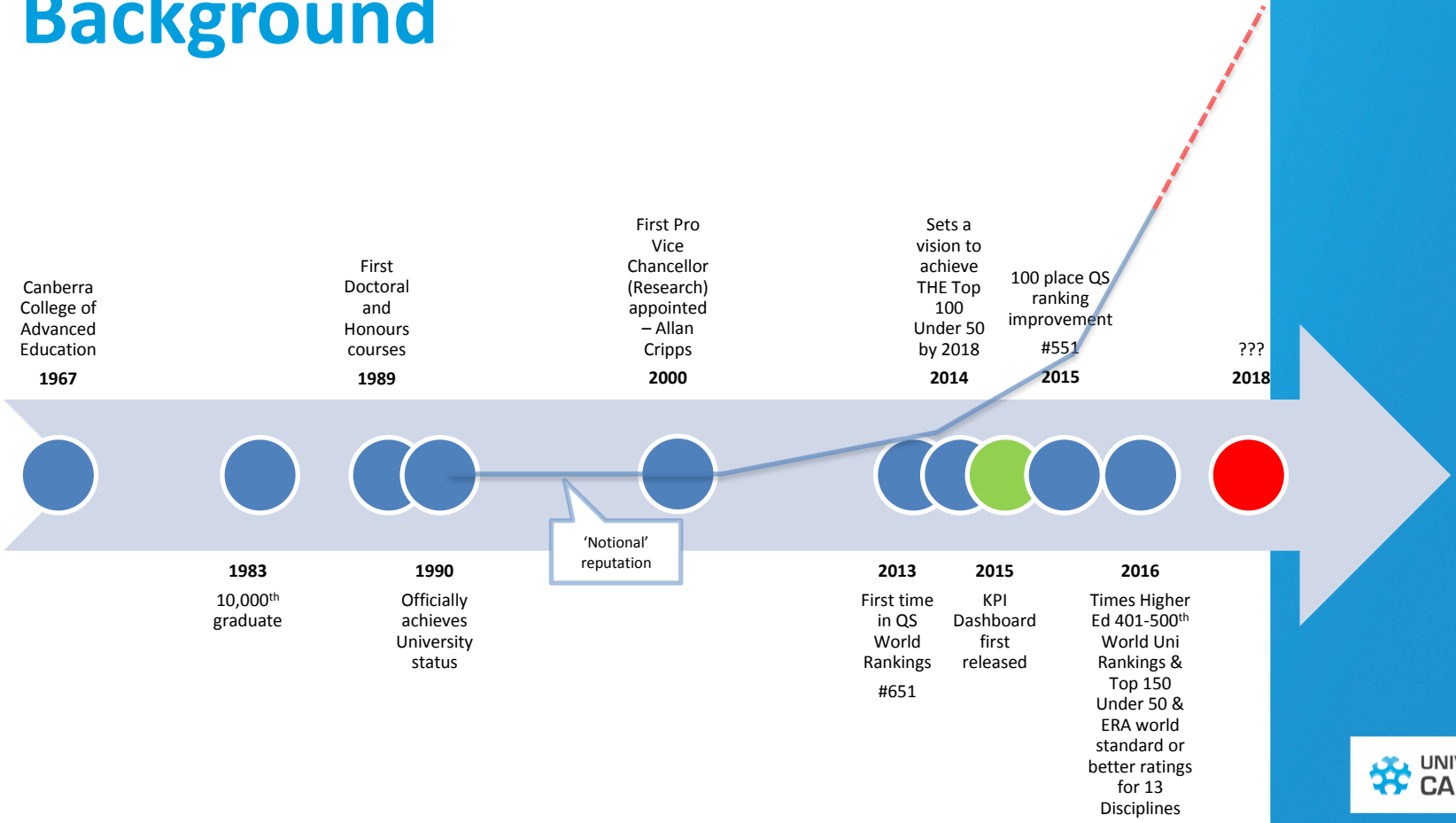
Background



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Aspirations

- Supportive Goals
  - Increased academic impact
  - Increase grant competitiveness
  - Improve HDR numbers and experience
- Top 100 under 50
- Increased level of excellence in ERA

Project Scope

- Create Performance goals for;
  - Researchers
  - Fields of Research
  - Faculties
  - University
- Encourage timely and accurate data entry of academic collateral
- Make sense of and join data across discrete enterprise systems
- Reliably measure performance against these goals

Project Deliverables

- Phase 1 (2014) - Faculty Dashboards
- Phase 2 (2015) - Field of Research & Researcher Dashboards
- Agile approach
- Prince 2 Governance

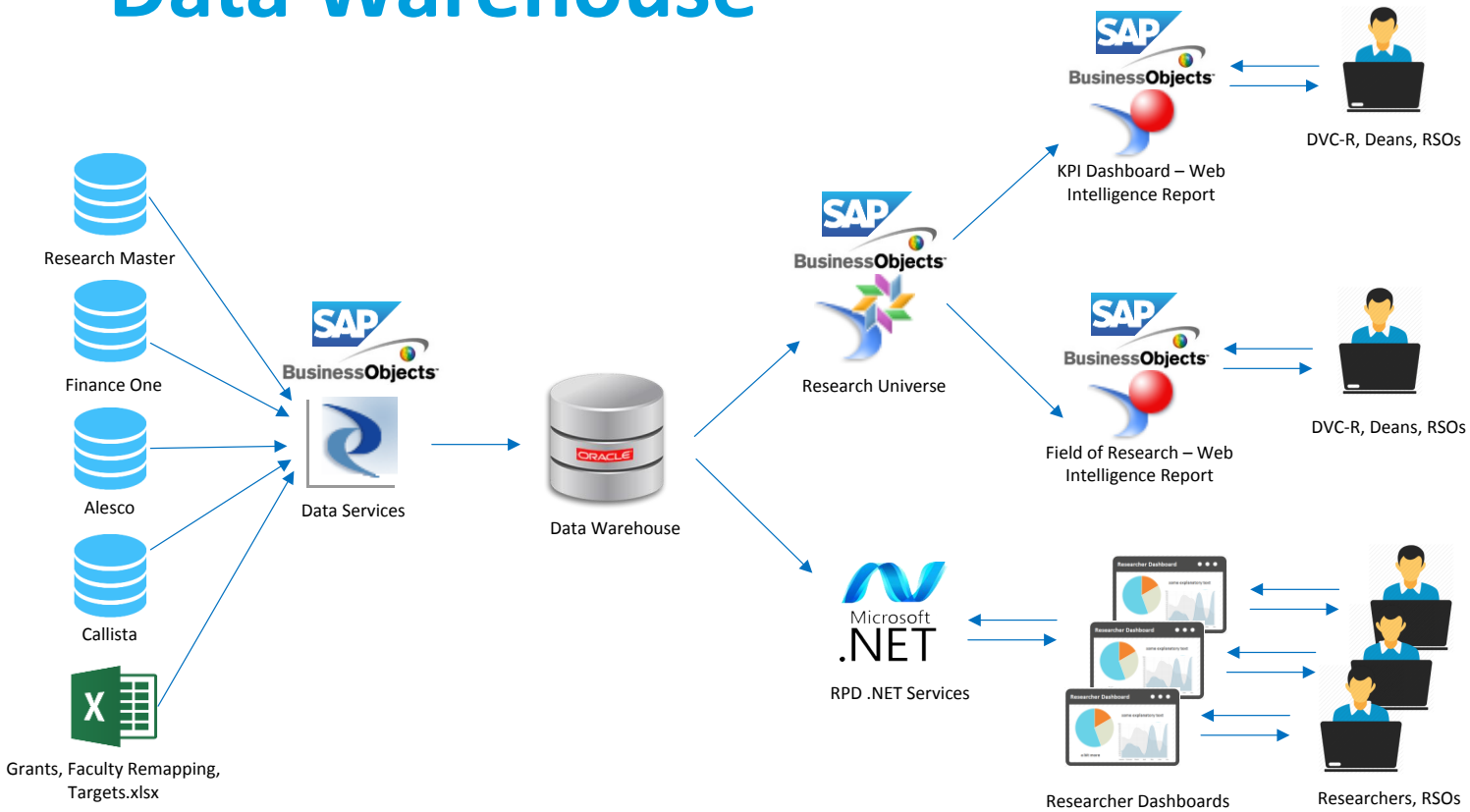
Solutions

- Faculty KPI Report
- FoR Report
- Researcher Dashboards

Architecture

- Data Warehouse Design
- Citation Scraper
- Researcher Dashboards

Data Warehouse



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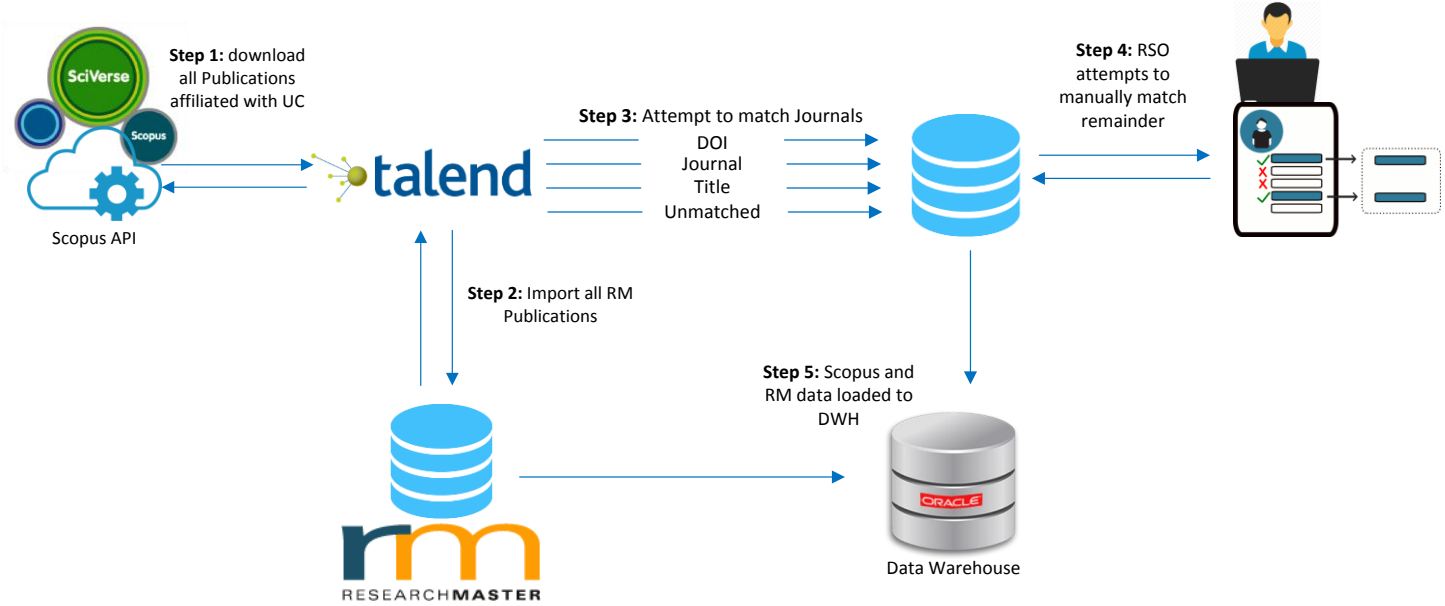
Architecture

- Data Warehouse Design
- Citation Scraper
- Researcher Dashboards

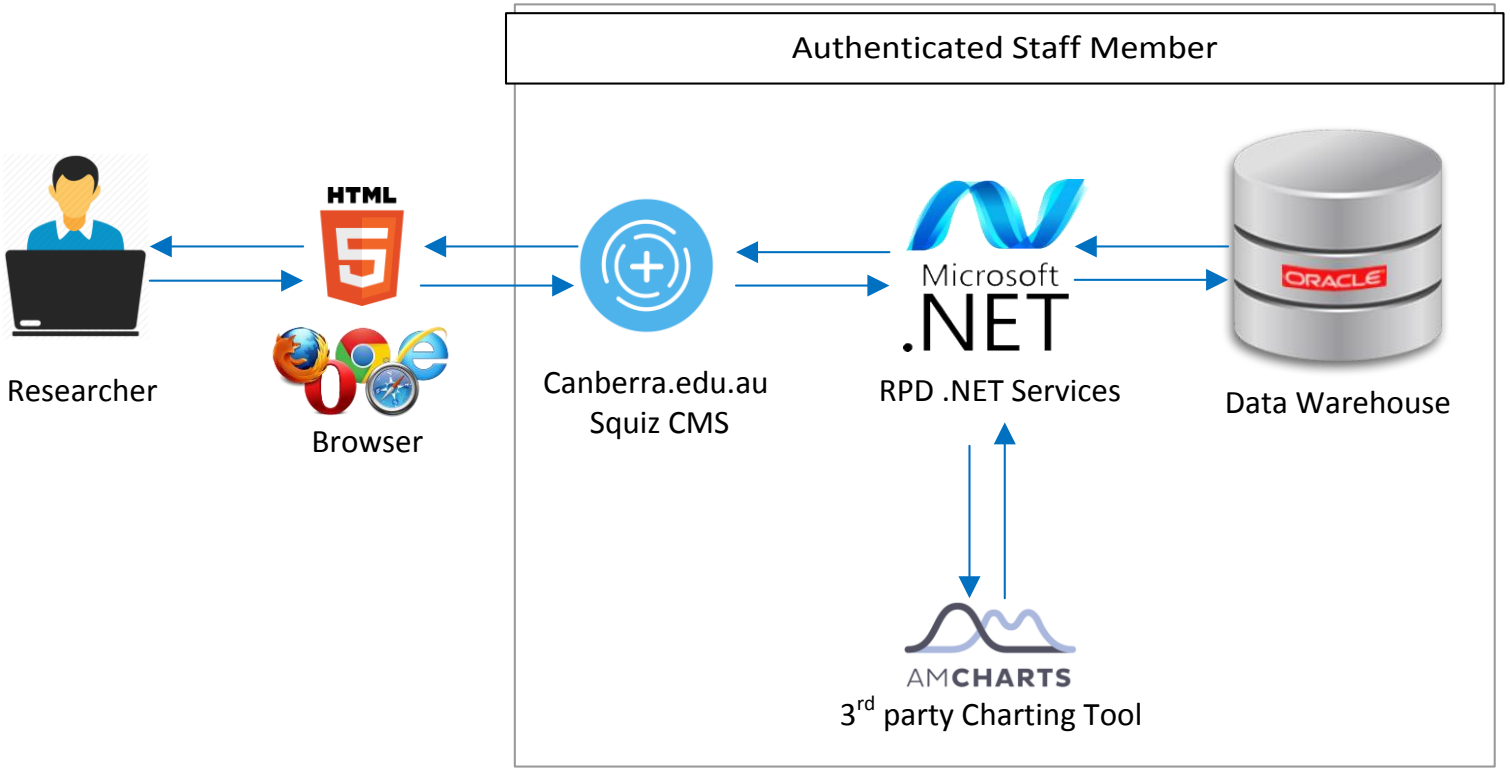
Citation Scraper



Architecture

- Data Warehouse Design
- Citation Scraper
- Researcher Dashboards

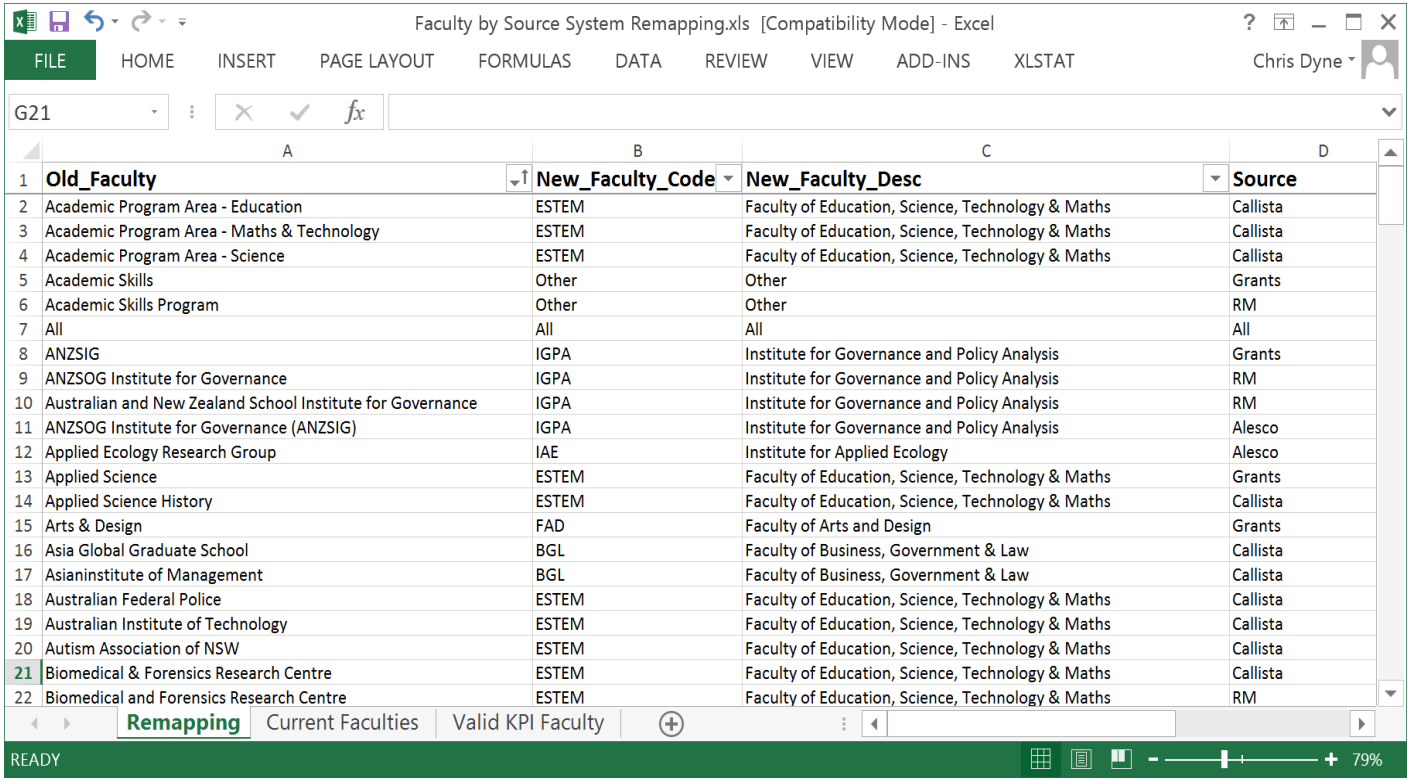
Researcher Dashboards



Challenges

- Master Data Management
- Data Quality – The Academics paradox
- Granularities and preserving history

Master Data Management


Faculty by Source System Remapping.xls [Compatibility Mode] - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ADD-INS XLSTAT Chris Dyne

G21

	A	B	C	D
1	Old_Faculty	New_Faculty_Code	New_Faculty_Desc	Source
2	Academic Program Area - Education	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
3	Academic Program Area - Maths & Technology	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
4	Academic Program Area - Science	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
5	Academic Skills	Other	Other	Grants
6	Academic Skills Program	Other	Other	RM
7	All	All	All	All
8	ANZSIG	IGPA	Institute for Governance and Policy Analysis	Grants
9	ANZSOG Institute for Governance	IGPA	Institute for Governance and Policy Analysis	RM
10	Australian and New Zealand School Institute for Governance	IGPA	Institute for Governance and Policy Analysis	RM
11	ANZSOG Institute for Governance (ANZSIG)	IGPA	Institute for Governance and Policy Analysis	Alesco
12	Applied Ecology Research Group	IAE	Institute for Applied Ecology	Alesco
13	Applied Science	ESTEM	Faculty of Education, Science, Technology & Maths	Grants
14	Applied Science History	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
15	Arts & Design	FAD	Faculty of Arts and Design	Grants
16	Asia Global Graduate School	BGL	Faculty of Business, Government & Law	Callista
17	Asianinstitute of Management	BGL	Faculty of Business, Government & Law	Callista
18	Australian Federal Police	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
19	Australian Institute of Technology	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
20	Autism Association of NSW	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
21	Biomedical & Forensics Research Centre	ESTEM	Faculty of Education, Science, Technology & Maths	Callista
22	Biomedical and Forensics Research Centre	ESTEM	Faculty of Education, Science, Technology & Maths	RM

Remapping | Current Faculties | Valid KPI Faculty

READY 79%

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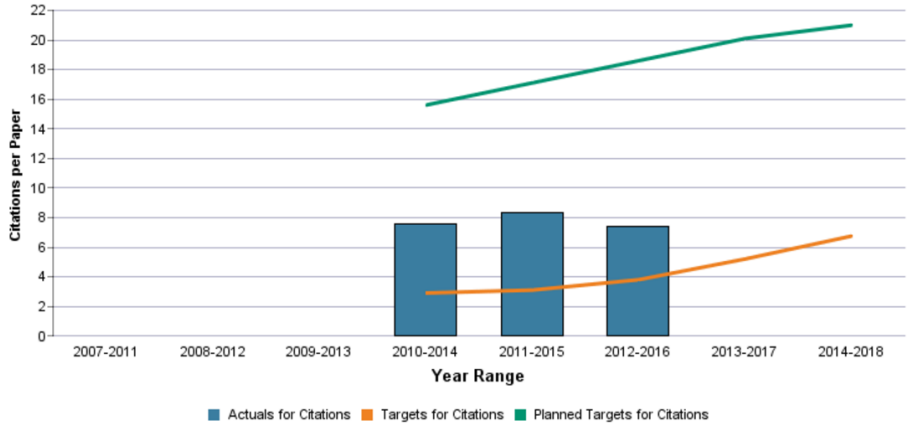
Challenges

- Master Data Management
- Data Quality – The Academic's paradox
- Granularities and preserving history

History Preservation

IAE: Citations per Paper, Source: Thomson Reuters, 22 November 2016

Explanatory Note:
The Citations per Paper measure is calculated as the total number of citations for all the UC publications in the 5 calendar year range, divided by the number of Indexed UC publications in the 5 calendar year period.
- For 5 calendar year periods which end prior to the current year, the total number of citations is a snapshot of the citations for those UC publications at 31 December of the latest year of the 5 calendar year period.
- For the 5 calendar year period ending in the current year, the total number of citations is calculated using the latest available citation data for UC publications.
Currency of the citations data will be affected by the date of the latest data refresh from UC citation sources (Scopus or Thomson Reuter). For further information, please refer to the Glossary tab.



Note: Citations per Paper on 22 November 2016 is 7.41 representing 195.11% of the target. With 89.59% of the year complete, the Citations per Paper KPI is on track.

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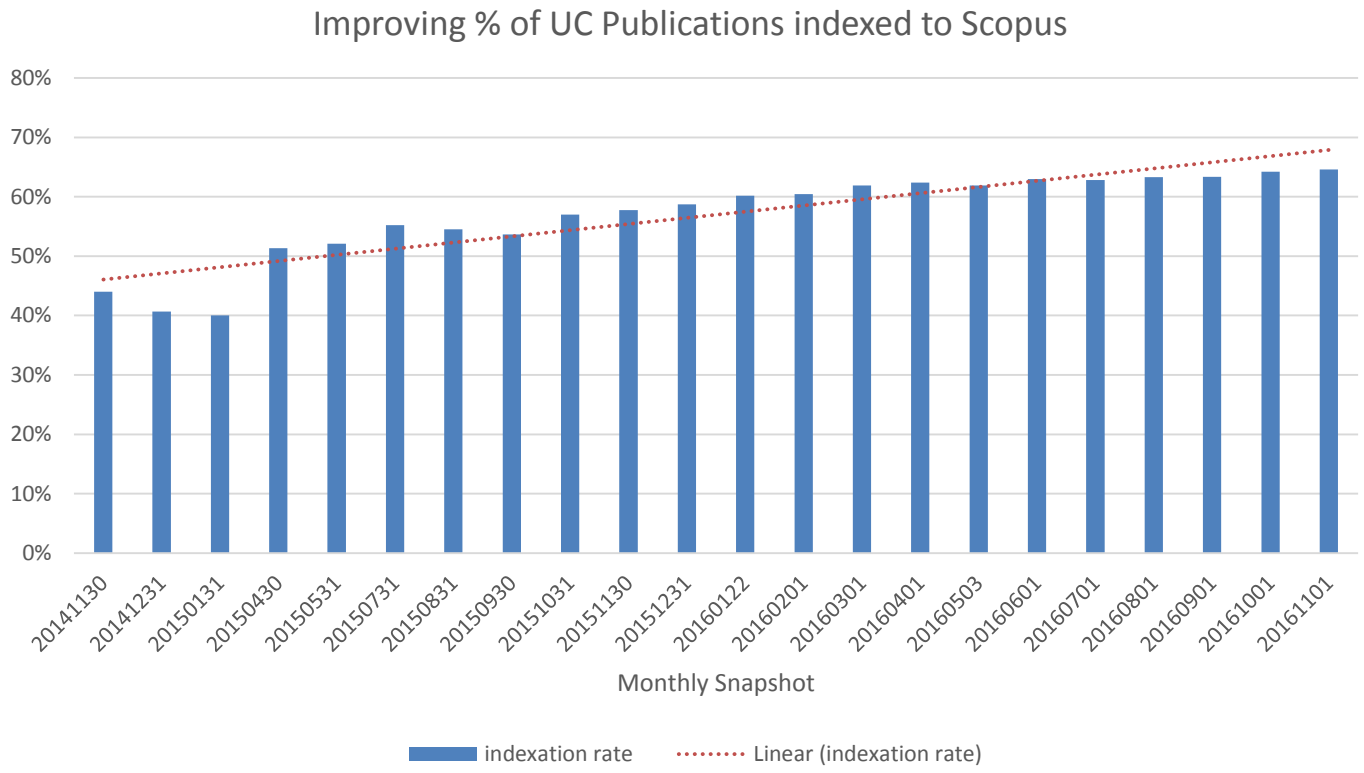
Project Benefits

- Tracking of our Research against KPI’s
- Measurable improvement in Research data
- Reduced workload and errors
- More timely data

% Publications - Scopus



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Project Outcomes

- Staff linked to vision statement
- Focus energy where required
- More timely feedback
- Simpler ‘Pure’ implementation

Q&A

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