

Repository Usage Data: who can you trust?

*Some observations from the Australian pilot
of IRUS-UK*

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IRUS – some background and context

- Why do IRs capture and report usage statistics?
 - National benchmarking – e.g. CAUL Statistics
 - Institutional – reporting to management/justification for existence
 - End-user engagement - show utility of the service to them; stimulate participation
- IRUS-UK, starting in 2012, sought to provide a
 - Standards-based service, with auditable usage data
 - Reduce duplication of effort and provide a time efficient service for IR managers
 - Uniform presentation of usage data, regardless of platform

What does IRUS do?

- IRUS-UK collects raw usage data from ~140 IRs and processes these data into COUNTER-compliant usage statistics
- IRUS adds a small piece of code [the 'Tracker Protocol'] to each participating IR server
- The tracker gathers data for each download and sends it to the IRUS-UK server
- 94% of UK IRs now participate in IRUS-UK

IRUS Usage Reports

- IR-specific
 - Monthly download reports by 22 Item Bib Item Types [Customisable]
 - Monthly aggregated reports, including by Item Type
 - Monthly, YTD, User-Defined
- Country/cohort-wide
 - Total downloads by Repository
 - Monthly, YTD, User-Defined
 - *IRUS-UK also provides Visualizations, by IR, of downloads by Country*
- Download as HTML, CSV, PDF

IRUS-ANZ Pilot

- Who is participating?
 - UoM, VU, UQ, USyd, Monash [ACU and UoW are observers]
- What platforms are covered
 - ePrints, DSpace, Fedora, PURE, Figshare
- *US Pilot underway, too*

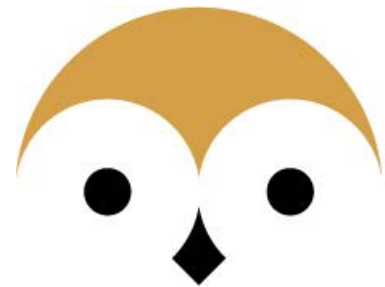
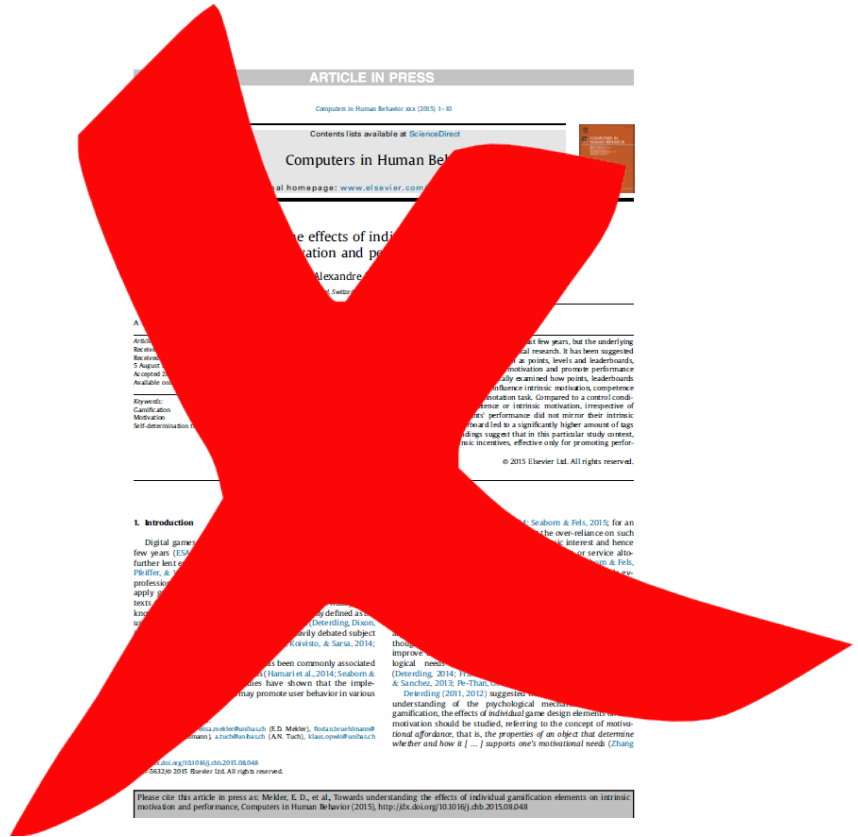
Apples and Oranges.....

- Annual survey usage counts – such as CAUL Statistics – have had the Apples v Oranges problem
- COUNTER is the one standard which could [and has, since 2003] been applied to counting usage across disparate [publisher] platforms
- IRUS applies COUNTER's robo-filter regime.
 - *Supplements this with more filters encountered in the wild and not seen by paywall publishers.*
- Leads to some major differences seen between "native" IR stats and IRUS....
- Here to discuss some of the causes and consequences are....

Use of IR Stats @ Unimeib

Reporting as an engagement tool

- Initially to provide quality feedback
- As a 'reminder'

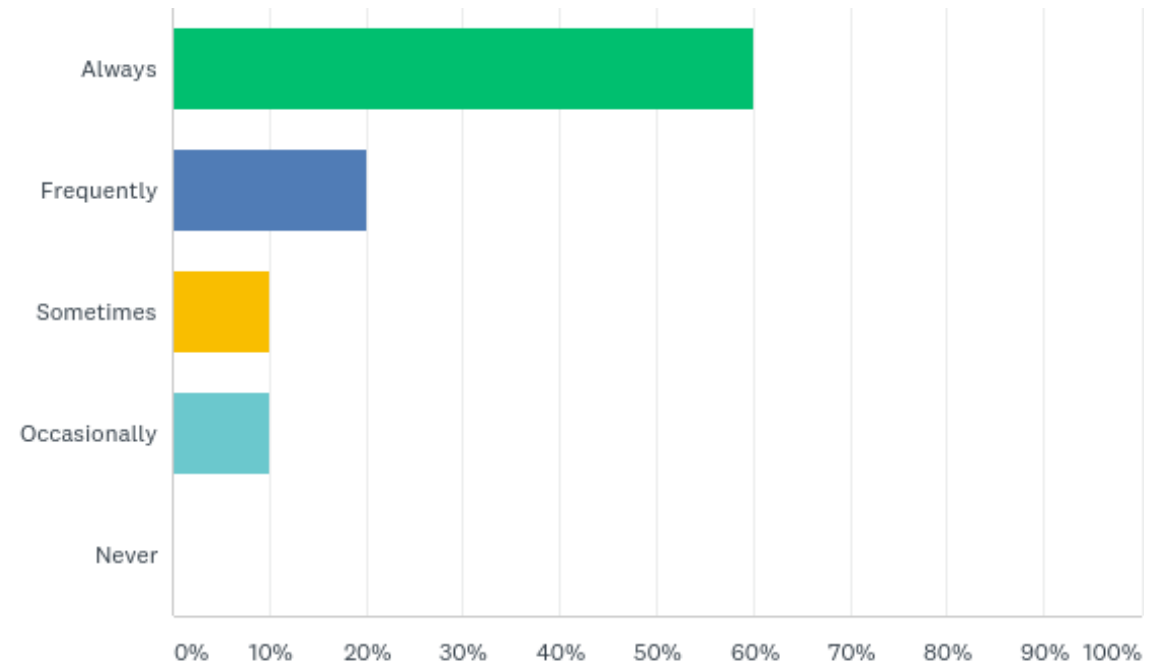


MINERVA
ACCESS

Use of IR Stats @ Unimelb

Reporting as an engagement tool

How regularly do you (or a colleague in your team) access the Open Access Upload Report sent to you by the Minerva Access Team? Do you look at the report...?



Use of IR Stats @ Unimelb

BUT as engagement grew, so has the need for tools to demonstrate value:

*More accessible, digestible, information re: benchmarks, downloads/access, etc would be useful from the point of view of **showing the benefits of open access** to the Faculty and leveraging that to build engagement with the process.*

*I was wondering if you could please run a stat report (for number of downloads per paper for each researcher)... I think this information can be utilised to **engage and encourage more researchers to deposit their papers in to the OA repository**. We can advertise the information such as researchers with maximum number of downloads in our newsletters and highlight the importance of this process.*

Enter the IRUS ANZ Pilot




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Last update: 12th Oct 2018

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Item Report 1 (IR1), Number of Successful Item Download Requests by Month and Repository Identifier

Item Report 1 (IR1), Number of Successful Item Download Requests by Month and Repository Identifier

Period covered by Report:	2018-09-01 to 2018-09-30
Filters	Repository: University of Melbourne [Minerva Access];
Date Run	25/10/2018
Number of results	6,256

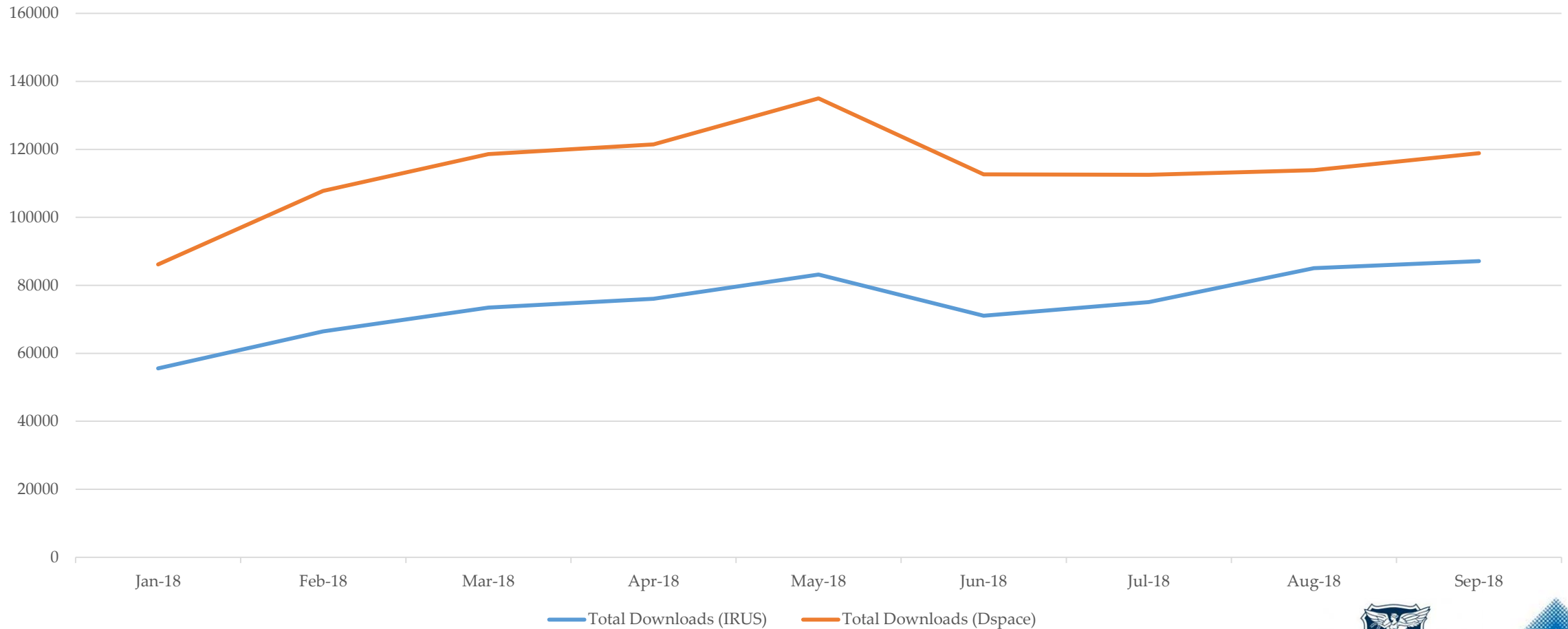
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Item URL	OAI Source ID	Title	Author	Item type	Total	Sep-2018
Totals						
http://hdl.handle.net/11343/42073	oai:minerva-access.unimelb.edu.au:11343/42073	Letters from aboriginal women of Victoria, 1867-1926		Unknown	1,209	1,209
http://hdl.handle.net/11343/36155	oai:minerva-access.unimelb.edu.au:11343/36155	The challenges of teaching physical education: juxtaposing the experiences of physical education teachers in Kenya and Victoria (Australia)	Wanyama, Michael N.	Thesis or Dissertation	1,177	1,177
http://hdl.handle.net/11343/212142	oai:minerva-access.unimelb.edu.au:11343/212142	The effect of acupuncture on upper airway function and physiology in obstructive sleep apnoea	orcid:0000-0002-7742-1503; THORNTON, THERESE	Thesis or Dissertation	886	886
http://hdl.handle.net/11343/34511	oai:minerva-access.unimelb.edu.au:11343/34511	In the mood for love: intersections of Hong Kong modernity	YUE, AUDREY	Book Section	746	746
http://hdl.handle.net/11343/39745	oai:minerva-access.unimelb.edu.au:11343/39745	Constructing nurses' professional identity	Willeits, Georgina Anne Parkes	Thesis or Dissertation	667	667
http://hdl.handle.net/11343/39234	oai:minerva-access.unimelb.edu.au:11343/39234	The effect of time of shearing on wool production and management of a spring-lambing merino flock	CAMPBELL, ANGUS	Thesis or Dissertation	584	584
http://hdl.handle.net/11343/55288	oai:minerva-access.unimelb.edu.au:11343/55288	An ethical defense of modern zoos	Gray, Jennifer Helen	Thesis or Dissertation	553	553
http://hdl.handle.net/11343/35741	oai:minerva-access.unimelb.edu.au:11343/35741	A dynamic structural analysis of trees subject to wind loading	James, Kenneth Ronald	Thesis or Dissertation	514	514
http://hdl.handle.net/11343/59540	oai:minerva-access.unimelb.edu.au:11343/59540	Environmental sustainability in hospitals: an exploration within anaesthetic and intensive care settings	McGain, Forbes	Thesis or Dissertation	507	507
http://hdl.handle.net/11343/42296	oai:minerva-access.unimelb.edu.au:11343/42296	What makes a filmmaker make films? A theoretical model & analytical method for the interrogation of filmmaking practice	Warner, Christopher D.	Thesis or Dissertation	498	498

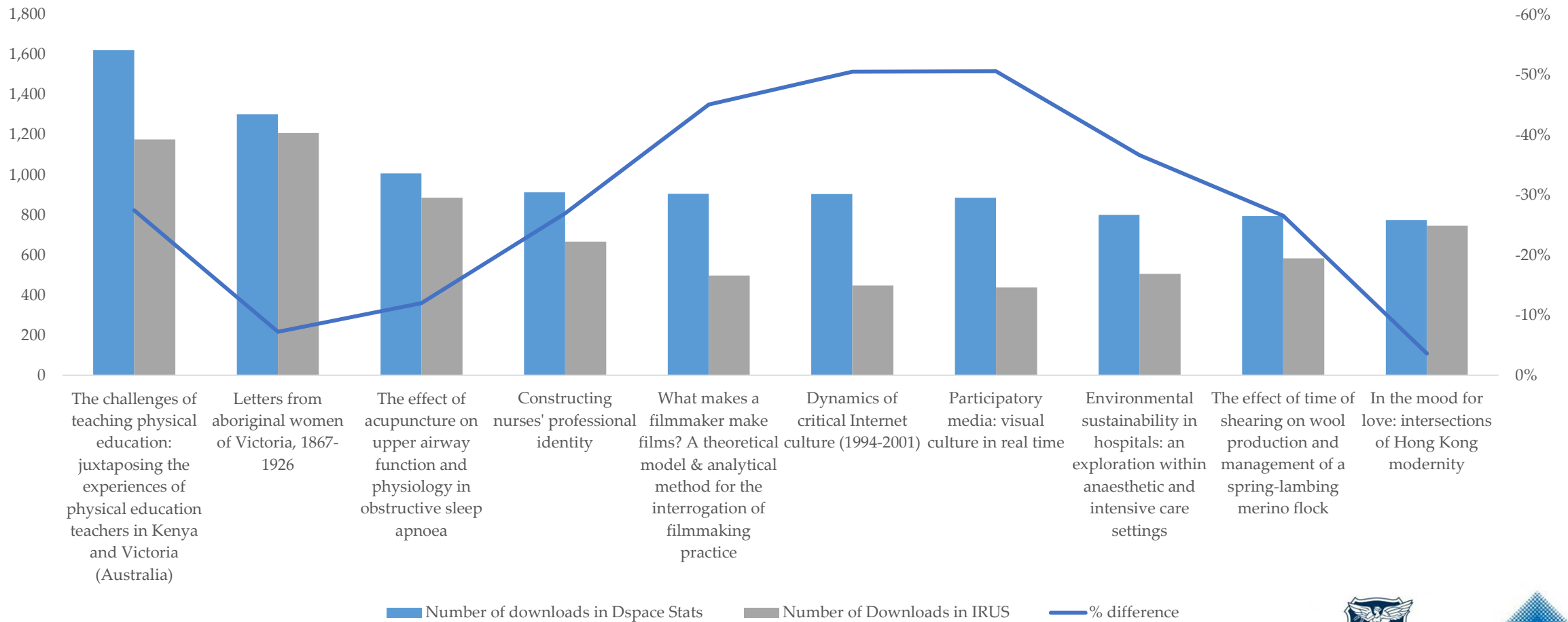
IRUS-ANZ Exclusions

Repository	RawDataIn	COUNTER Robots	IRUS-ANZ Exclusions	DoubleClicks	FilteredDataOut (Total downloads)
Overall Totals	8,096,288	2,741,037	1,026,403	339,325	3,989,523
Monash University [Monash figshare]	32,680	9,597	686	149	22,248
Monash University [Research Portal]	25,003	109	9,075	79	15,740
University of Melbourne [Minerva Access]	1,423,792	46,742	385,587	83,517	907,946
University of Queensland [UQ eSpace]	3,937,189	2,015,799	190,203	109,389	1,621,798
University of Sydney [eScholarship]	1,457,793	146,656	339,784	114,909	856,444
Victoria University [Research Repository]	1,219,831	522,134	101,068	31,282	565,347

DSpace v IRUS Total Downloads



DSpace v IRUS Top Ten Pubs



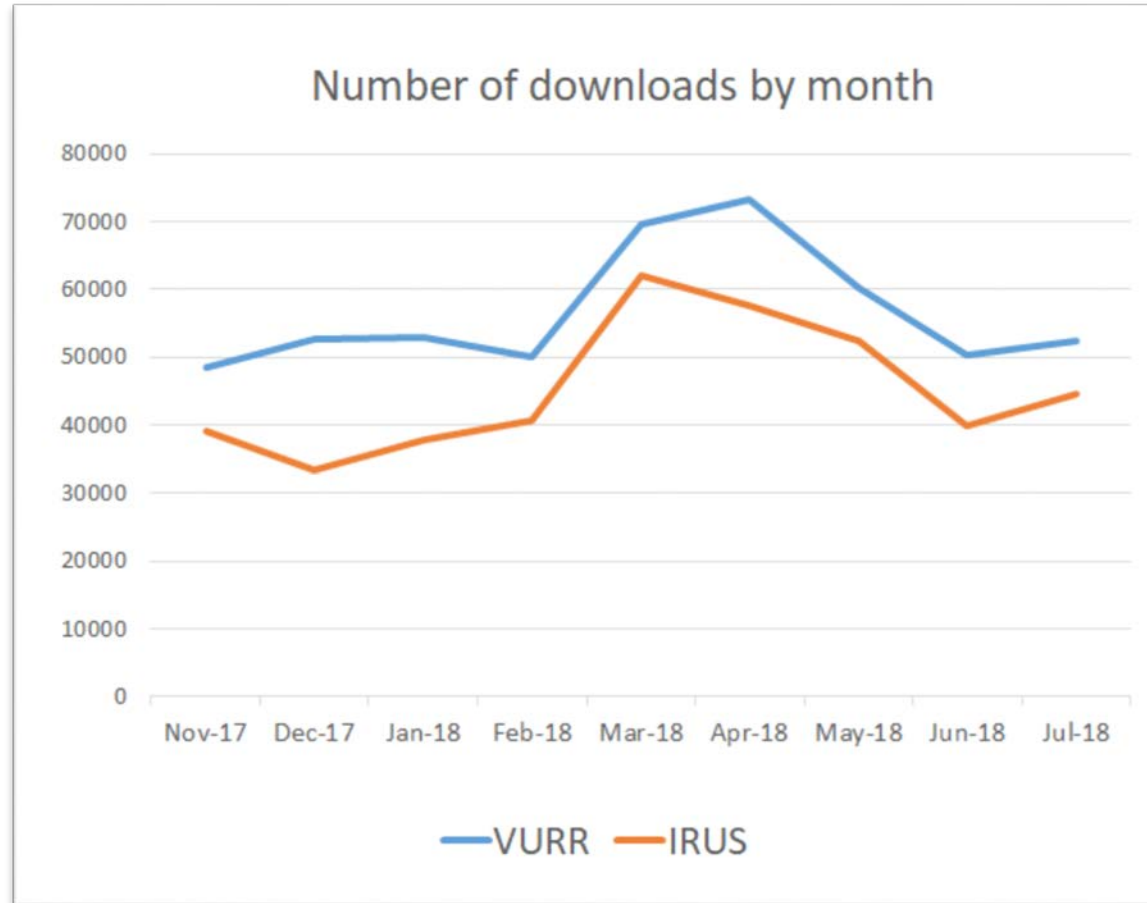
Downloads by individual publication, September 1-30, 2018



Top Ten Pubs Sept 2018

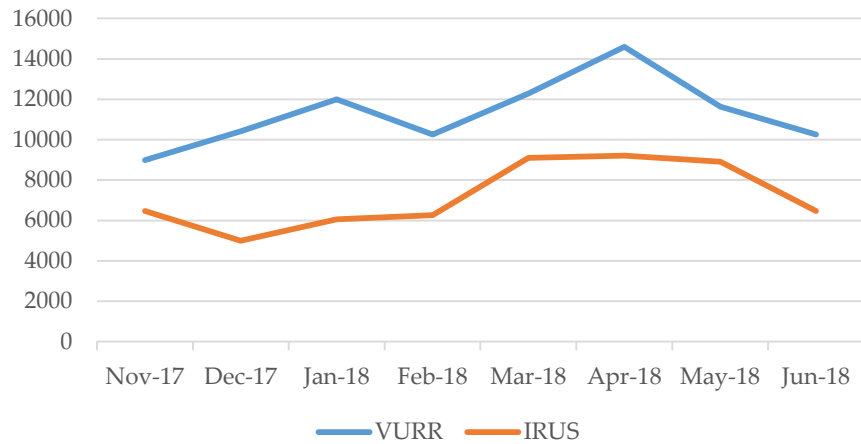
	DSpace Top 10	IRUS Top 10
1.	The challenges of teaching physical education: juxtaposing the experiences of physical education teachers in Kenya and Victoria (Australia)	Letters from aboriginal women of Victoria, 1867-1926
2.	Letters from aboriginal women of Victoria, 1867-1926	The challenges of teaching physical education: juxtaposing the experiences of physical education teachers in Kenya and Victoria (Australia)
3.	The effect of acupuncture on upper airway function and physiology in obstructive sleep apnoea	The effect of acupuncture on upper airway function and physiology in obstructive sleep apnoea
4.	Constructing nurses' professional identity	In the mood for love: intersections of Hong Kong modernity
5.	What makes a filmmaker make films? A theoretical model & analytical method for the interrogation of filmmaking practice	Constructing nurses' professional identity
6.	Dynamics of critical Internet culture (1994-2001)	The effect of time of shearing on wool production and management of a spring-lambing merino flock
7.	Participatory media: visual culture in real time	An ethical defense of modern zoos
8.	Environmental sustainability in hospitals: an exploration within anaesthetic and intensive care settings	A dynamic structural analysis of trees subject to wind loading
9.	The effect of time of shearing on wool production and management of a spring-lambing merino flock	Environmental sustainability in hospitals: an exploration within anaesthetic and intensive care settings
10.	In the mood for love: intersections of Hong Kong modernity	What makes a filmmaker make films? A theoretical model & analytical method for the interrogation of filmmaking practice

Compare the Pair

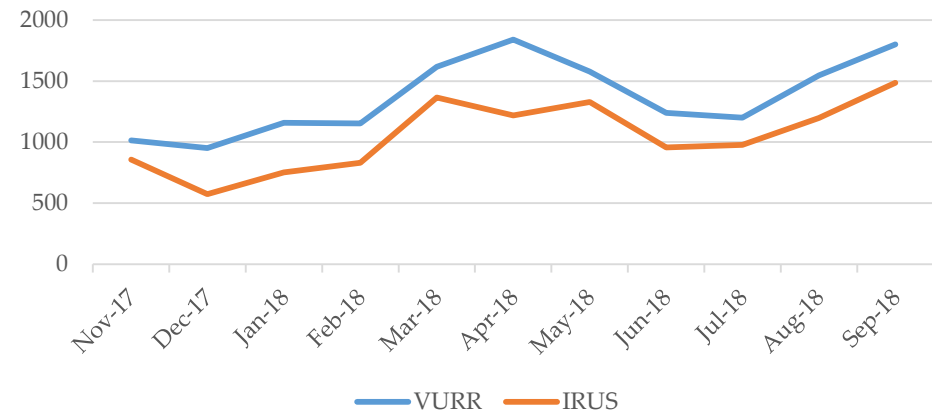


Compare the Pair cont..

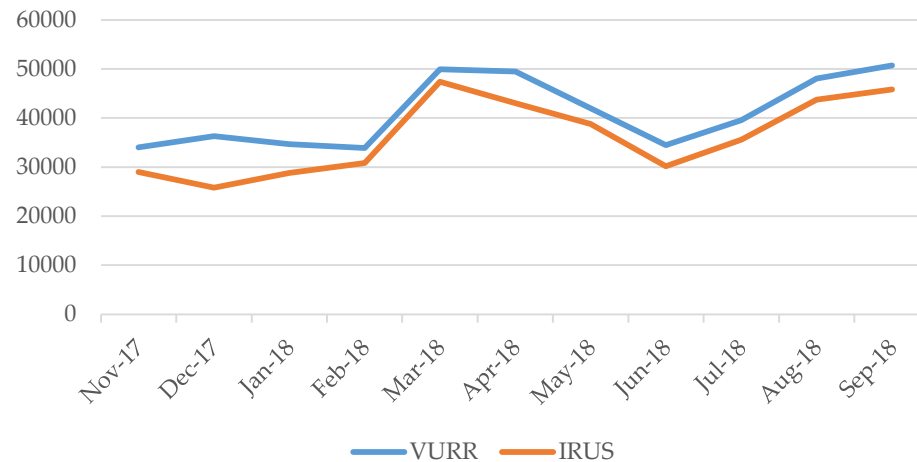
Number of Article downloads



Number of Conference or Workshop downloads



Number of Theses downloads



Behind the figures

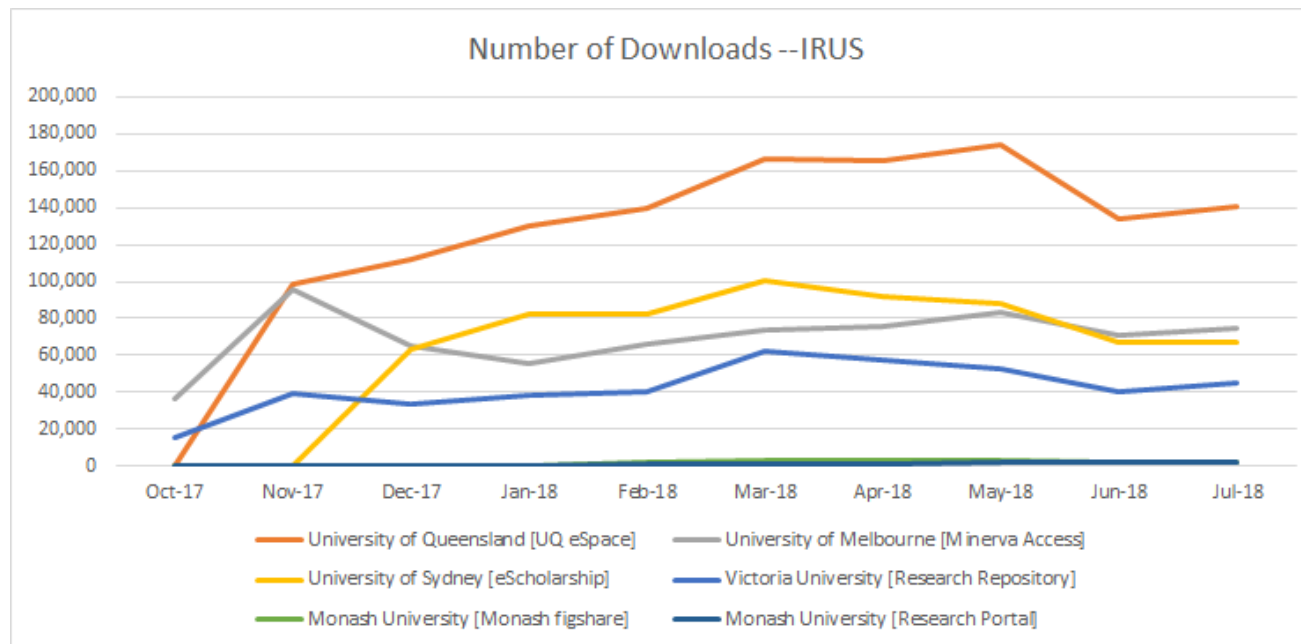
Average difference IRUS vs VURR (20%)

IRUS specific exclusions + double clicks (account for 19% difference)

Victoria University	Ingest as of 5 October 2018
Raw Data In	1,189,664
COUNTER Robots	513,106
IRUS-ANZ Exclusions	98,437
Double Clicks	30,400
Total Filtered Out	547,811

To be determined....

- Standardising Item Types. 700 items types been mapped to 25 IRUS types.
- Benchmarking. Should size of repository be considered and/or number of OA items available for download? Where to get base figure?



Conclusions

- May be premature :)
- Pilot participation has been [relatively] easy
- Poses questions about the viability of local statistics if the IRUS alternative is both more credible and allows inter-institutional or international comparison
 - *Need some way[s] to reconcile [inflated?] local with [robust] IRUS usage statistics*
- Whole-of-country participation will be much more useful than partial or none
- There needs to be a dialogue with CAUL and consideration about costs and their allocation.