

Strength in Numbers: Leveraging global collaboration to standardize IR usage measurement and assessment

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- » Background on IRUS
 - » Introduction to IRUS-USA Pilot Project
 - » Overview of IRUS Interface
 - » Review Pilot Benefits and Lessons Learned (so far...)
-

- » Data-driven culture
- » Lack of consistent, comparable usage data
- » Hinders collections assessment and ability to demonstrate value (ROI, impact comparisons, etc.)

Background on IRUS



- » An aggregation service, enabling IRs to share/expose usage statistics at the individual item level, based on a global standard – COUNTER
- » Collect raw download data from IRs all item types within repositories
- » Process those raw data into COUNTER-conformant statistics

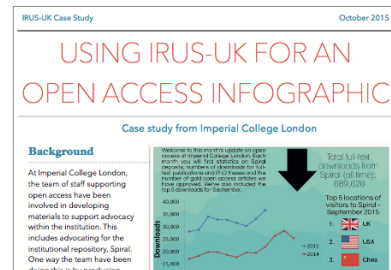


Case studies: in IRUS-UK Support Materials (<http://irus.mimas.ac.uk/help/support>)

Apart from the advantages for individual institutions, IRUS-UK aggregates data to illustrate the combined usage of UK institutional repositories. This level of information provides an understanding of the ways in which UK IRs are used and provides organisations with statistics to use and exploit to support advocacy activities. Now that >90% of eligible UK IRs are using IRUS-UK, this participation provides opportunities. These are illustrated within several case studies.

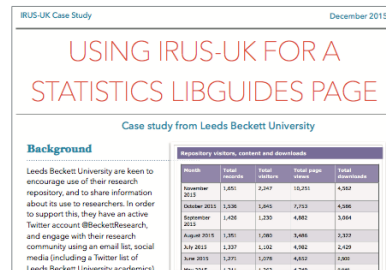
Imperial College London

Developing materials to support advocacy for their institutional repository, Spiral



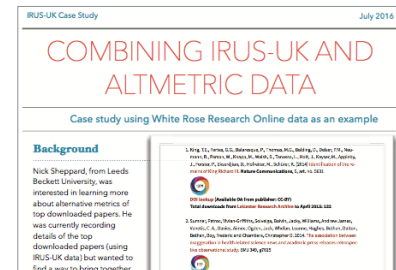
Leeds Beckett University

Encouraging use of their institutional repository



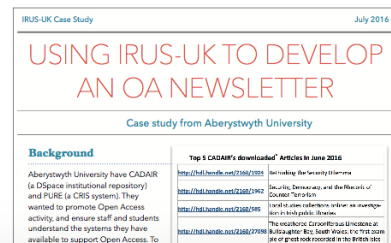
White Rose Research Online

Combining repository usage and Altmetric data (+ DIY guide for other IRs)



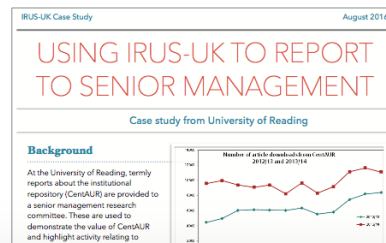
Aberystwyth University

Promoting Open Access activity and systems



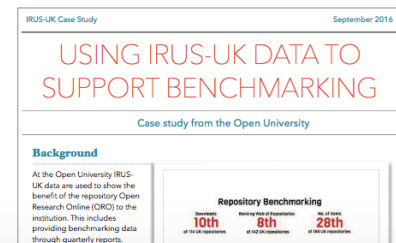
Reading University

Reporting to a senior management research committee



Open University

Promoting the benefits of their repository and benchmarking





| Repository manager | Researcher | Funders and policy makers | Suppliers of related products | International initiatives | OA publishers |
|---|---|--|---|--|--|
| I want to... | | | | | |
| <ul style="list-style-type: none"> Identify trends and patterns in usage Report to management Benchmark my IR performance against a national picture | <ul style="list-style-type: none"> Monitor usage and impact of my research Report usage of my research to my funding body | <ul style="list-style-type: none"> Monitor the transition to OA Assess impact of new policies Demonstrate impact of funded research | <ul style="list-style-type: none"> Consume usage statistics for presentation in my product Utilise Robots exclusion list as a basis for developing my stats | <ul style="list-style-type: none"> Interact with a national aggregator providing a single point of transfer for usage stats | <ul style="list-style-type: none"> Collate and aggregate usage stats from various platforms |
| Status | | | | | |
| Current | Current | Future | Current/future | Current | Future |

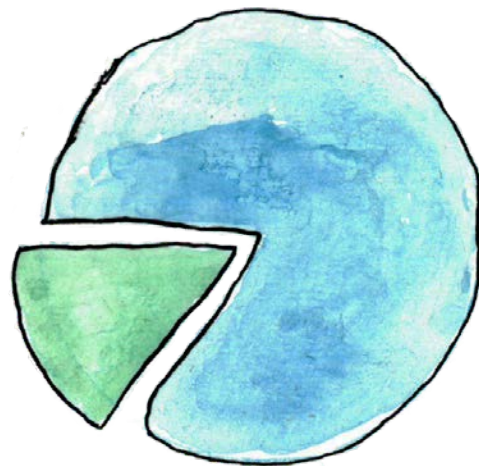
Introduction to IRUS-USA Pilot Project

- » March 2017: CLIR/DLF and JISC announce intent to collaborate
 - » August 2017: Pilot began
 - » Pilot Process:
 - › Install Tracker Protocol Plugin
 - › Test and evaluate data and reports
 - › Provide feedback on results
-

- » Caltech [Authors]
 - » Caltech [Thesis]
 - » Indiana University [IUScholarWorks]
 - » Montana State University [ScholarWorks]
 - » University of Houston (via Texas Digital Library)
[Institutional Repository]
 - » University of Maryland [DRUM]
 - » University of Pittsburgh [D-Scholarship]
-

- » Community-driven decision making process
- » Phased approach
- » Leverage skillsets of distinct groups to refine pilot data collection and assessment

 DLF DIGITAL LIBRARY



ASSESSMENT



Repository Analytics & Metrics Portal

Overview of IRUS Interface



Last update: 11th Feb 2018

STAT
USA
REP
INST

Home Statistics Reports Metadata Reports Metadata Views Metastatistics Views

Home

Overall Summary

These tables provide summaries of data in IRUS-USA including: number of participating repositories, number of items downloaded from these repositories since they joined, numbers of downloads (in total, to the end of the previous month, and during the current month) and also the latest date for which data is available in IRUS-USA.

Overall Summary

| Headlines at a glance as of 11th Feb 2018 | |
|---|-----------|
| Repositories | 7 |
| Items | 85,968 |
| Downloads up to Jan-2018 | 2,229,285 |
| Downloads in Feb-2018, so far... | 209,732 |
| Total Downloads | 2,439,017 |

Yearly summaries

| Year | No. of Repositories | Article Downloads | Total Downloads |
|------|---------------------|-------------------|-----------------|
| 2017 | 7 | 249,024 | 1,682,815 |
| 2018 | 7 | 84,142 | 546,470 |

For enquiries about IRUS-USA, please contact help@irus.ac.uk



IRUS-USA



Last update: 11th Feb 2018

 STA
USA
REP
INST

Ingest Summary Statistics

This table provides an analysis of the data ingest process for each participating repository. It shows for each repository: the total number of downloads recorded since they joined (RawDataIn); the number of downloads by applications listed in the COUNTER Code of Practice as Internet robots, crawlers, spiders, etc. (http://www.projectcounter.org/code_practice.html) (COUNTER Robots); the number of downloads by an additional list of internet robots, crawlers, spiders, etc., used by IRUS-USA in addition to the COUNTER list (IRUS-USA exclusions); requests to download an item where the mouse is clicked twice within 30 seconds (DoubleClicks); and, a net figure for downloads obtained by subtracting from the raw data the figures for robots and double clicks (FilteredDataOut).

| Repository | RawDataIn | COUNTER Robots | IRUS-USA Exclusions | DoubleClicks | FilteredDataOut (Total downloads) |
|--|-----------|----------------|---------------------|--------------|-----------------------------------|
| Overall Totals | 6,006,134 | 1,954,913 | 1,370,893 | 241,311 | 2,439,017 |
| Caltech [Authors] | 1,450,257 | 882,134 | 113,542 | 12,838 | 441,743 |
| Caltech [Thesis] | 355,535 | 224,604 | 32,125 | 2,457 | 96,349 |
| Indiana University [IUScholarWorks] | 288,571 | 4,162 | 84,028 | 20,110 | 180,271 |
| Montana State University [ScholarWorks] | 838,386 | 17,937 | 288,727 | 71,560 | 460,162 |
| University of Houston [Institutional Repository] | 137,755 | 1,466 | 70,765 | 15,511 | 50,013 |
| University of Maryland [DRUM] | 1,320,549 | 7,339 | 345,465 | 99,624 | 868,121 |
| University of Pittsburgh [D-Scholarship] | 1,615,081 | 817,271 | 436,241 | 19,211 | 342,358 |



Home

About ▾

Portal



IRUS-USA



DLF

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Home Statistics Reports Metadata Reports Metadata Views Metastatistics Views

ItemTypes Report

This table provides a breakdown of the item types used by participating repositories that have been mapped to each of the IRUS-USA item types used in the Item Type Statistics table.

Comparison of IRUS-USA item types and repository item types

| IRUS-USA item type | Repository item type | No. of items |
|--------------------|---------------------------|--------------|
| Article | Article | 5,213 |
| Article | Article; Dataset | 1 |
| Article | Article; Dataset; Other | 1 |
| Article | Article; NonPeerReviewed | 202 |
| Article | Article; Other | 2 |
| Article | Article; PeerReviewed | 28,470 |
| Article | Article; Software | 1 |
| Article | Article; Technical Report | 1 |
| Article | Book review | 13 |
| Article | Literature Review | 2 |
| Article | Periodical | 61 |
| Article | Publication | 22 |
| Audio | Audio file | 9 |
| Audio | Audio; NonPeerReviewed | 1 |



IRUS-USA



Last update: 11th Feb 2018

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

This report provides the number of successful item download requests by month and repository identifier for a selected repository. For each item, it shows the item URL, title, author(s), item type and total downloads by month and in total for the period selected. It can be run for an individual month or over a number of months and can be output in HTML, TSV or CSV formats.

See how Leeds Beckett University used this report to help them produce a [Statistics Libguides Page](#).

See how Aberystwyth University used this report to help them produce an [OA newsletter](#).

Report Request

Usage Date Range

From date: May-2017 ▾ To date: Jan-2018 ▾

Filters (required)

Repository: --- Select Repository --- ▾

Report Attributes

OrderBy: Title (Ascending) ▾

Format: HTML ▾

[Get Report](#)



IRUS-USA



Last update: 11th Feb 2018

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: 2017-05-01 to 2018-01-31

Filters Repository: Indiana University [IUScholarWorks];

Date Run 14/02/2018

Number of results 6,461

[Previous page](#) [001](#) [002](#) [003](#) [004](#) [005](#) [006](#) [007](#) [008](#) [009](#) [010](#) ... [130](#) [Next page](#) ➔

| ItemURL | OAISourceID | Title | Author | Itemtype | Total | May-2017 | Jun-2017 | Jul-2017 | Aug-2017 | Sep-2017 | Oct-2017 | N |
|---|------------------------------------|--|-----------------|---------------|-----------------------|----------|----------|----------|----------|----------|----------|---|
| Totals | | | | | 166,169 | 0 | 0 | 0 | 0 | 19,823 | 39,707 | |
| http://hdl.handle.net/2022/17594 | oai:scholarworks.iu.edu:2022/17594 | WHY THE DRINKING AGE SHOULD BE LOWERED: AN OPINION BASED ON RESEARCH | Engs, Ruth C. | Article | 4,129 | 0 | 0 | 0 | 0 | 325 | 940 | |
| http://hdl.handle.net/2022/3621 | oai:scholarworks.iu.edu:2022/3621 | African Literature | Julien, Eileen | Book Section | 2,683 | 0 | 0 | 0 | 0 | 246 | 531 | |
| http://hdl.handle.net/2022/6474 | oai:scholarworks.iu.edu:2022/6474 | Glossary of Recreation Therapy and Occupational Therapy | Austin, David R | Book | 1,876 | 0 | 0 | 0 | 0 | 279 | 433 | |
| http://hdl.handle.net/2022/171 | oai:scholarworks.iu.edu:2022/171 | Mapping the Unmappable: Visual Representations of the Internet as Social | King, Adam B. | Working Paper | 1,742 | 0 | 0 | 0 | 0 | 225 | 452 | |



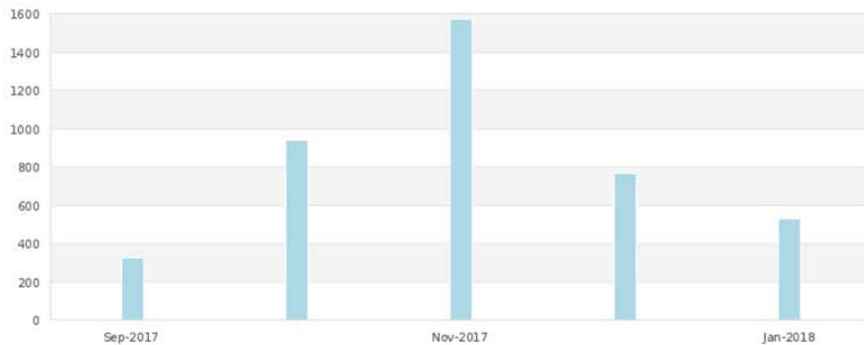
Item Statistics

WHY THE DRINKING AGE SHOULD BE LOWERED: AN OPINION BASED ON RESEARCH

| | |
|------------------|---|
| Author(s) | Engs, Ruth C. |
| IRUS Item type | Article |
| Source Item type | Article |
| URL | http://hdl.handle.net/2022/17594 |
| Repository | Indiana University [IUScholarWorks] |
| Platform | DSpace |

Monthly downloads from Indiana University [IUScholarWorks] (4129)

| Sep-2017 | Oct-2017 | Nov-2017 | Dec-2017 | Jan-2018 |
|----------|----------|----------|----------|----------|
| 325 | 940 | 1572 | 764 | 528 |



Daily downloads for the last 28 days from Indiana University [IUScholarWorks] (843)



Home

About ▾

Portal



IRUS-USA



DLF

Last update: 11th Feb 2018

Home Statistics Reports Metadata Reports Metadata Views Metastatistics Views

Repository Report 1 (RR1), Number of Successful Item Download Requests by Month and Repository

This report enables you to view the number of successful item downloads by month for all participating repositories. The report can be filtered to limit the results to a selected item type. It can be run for an individual month or over a number of months and can be output in HTML, TSV or CSV formats. The results can be sorted by repository or by total number of downloads in ascending or descending order.>.

See how The University of Reading used this report to help them produce a [Report to senior management](#).

See how the Open University used this report to help them produce [Data to support benchmarking](#).

Report Request

Usage Date Range

Begin date: May-2017 ▾ End date: Jan-2018 ▾

Filters (optional)

Item Type: --- ItemType --- ▾

Report Attributes

Format: HTML ▾

Get Report



Repository Report 1 (RR1), Number of Successful Item Download Requests by Month and Repository

Repository Report 1 (RR1), Number of Successful Item Download Requests by Month and Repository

To whom it may concern

Period covered by Report: 2017-05-01 to 2018-01-31

Filters:

Date Run: 2018-02-14

Number of results: 7

| Repository | Total | May-2017 | Jun-2017 | Jul-2017 | Aug-2017 | Sep-2017 | Oct-2017 | Nov-2017 | Dec-2017 | Jan-2018 |
|--|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Totals | 2,229,285 | 32,177 | 45,011 | 46,917 | 42,662 | 121,238 | 427,411 | 519,057 | 448,342 | 546,470 |
| Caltech [Authors] | 397,066 | 0 | 0 | 0 | 0 | 0 | 75,836 | 104,560 | 99,071 | 117,599 |
| Caltech [Thesis] | 85,548 | 0 | 0 | 0 | 0 | 0 | 16,772 | 20,529 | 20,764 | 27,483 |
| Indiana University [IUScholarWorks] | 166,169 | 0 | 0 | 0 | 0 | 19,823 | 39,707 | 39,819 | 33,706 | 33,114 |
| ScholarWorks | 436,354 | 32,177 | 45,011 | 46,917 | 42,662 | 48,651 | 53,694 | 59,375 | 47,629 | 60,238 |
| University of Houston [Institutional Repository] | 44,088 | 0 | 0 | 0 | 0 | 0 | 0 | 12,306 | 15,453 | 16,329 |
| University of Maryland [DRUM] | 784,774 | 0 | 0 | 0 | 0 | 11,280 | 171,938 | 214,244 | 169,774 | 217,538 |
| University of Pittsburgh [D-Scholarship] | 315,286 | 0 | 0 | 0 | 0 | 41,484 | 69,464 | 68,224 | 61,945 | 74,169 |

Pilot Benefits and Lessons Learned (so far)...

1. Standards

- » Encourage use and adherence to appropriate standards to:
 - › ensure comparison & consistency
 - › support interoperability

2. Collaboration

- » Learn from others, both nationally and internationally
 - » Share resources for ensuring the measurement of impact is clear and useful, and that metrics and tools are suitably applied
 - » Leveraging expertise
-

- » What are the benefits of comparing IR usage among US users?
 - »» What opportunities are there for international comparison of IR usage or for demonstrating the impact of advocacy campaigns, i.e. OA Week?
 - »» Are existing, recorded IRUS-UK use cases applicable on an international basis?
-

- » How can IRUS adapt to better serve evolving and expanding stakeholder needs?
 - »» Who are the broader community of stakeholders (beyond IR administrators) and what benefits could they get from a service like IRUS?
 - »» What additional metrics and comparisons should be developed to better engage expanded stakeholder communities?
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- » What would an expanded IRUS-USA service model look like?
 - » What assessment methods should be employed to determine the value and continual optimization of an IRUS-USA service?
-

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