

Jisc



IRUS-UK

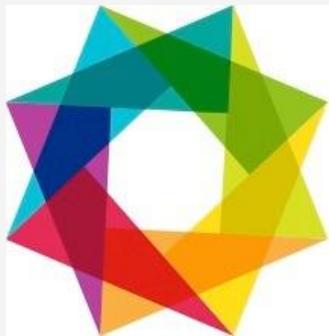
**Measuring impact: tools for analysing and benchmarking
usage**

Jo Lambert
Library Assessment Conference, Seattle
4 August 2014

JUSP and IRUS-UK



A single point of access to COUNTER-compliant journal usage data for 170 UK academic libraries



IRUS-UK

Consolidates and compares COUNTER-compliant IR usage statistics for 64 UK HEI

Development partners



Standards and interoperability

- ✗ COUNTER standard is central to development of both services
- ✗ Enables consistent and comparable standards based measurement
- ✗ M2M protocols such as SUSHI facilitate greater efficiencies
- ✗ Presents opportunities for benchmarking at a national level



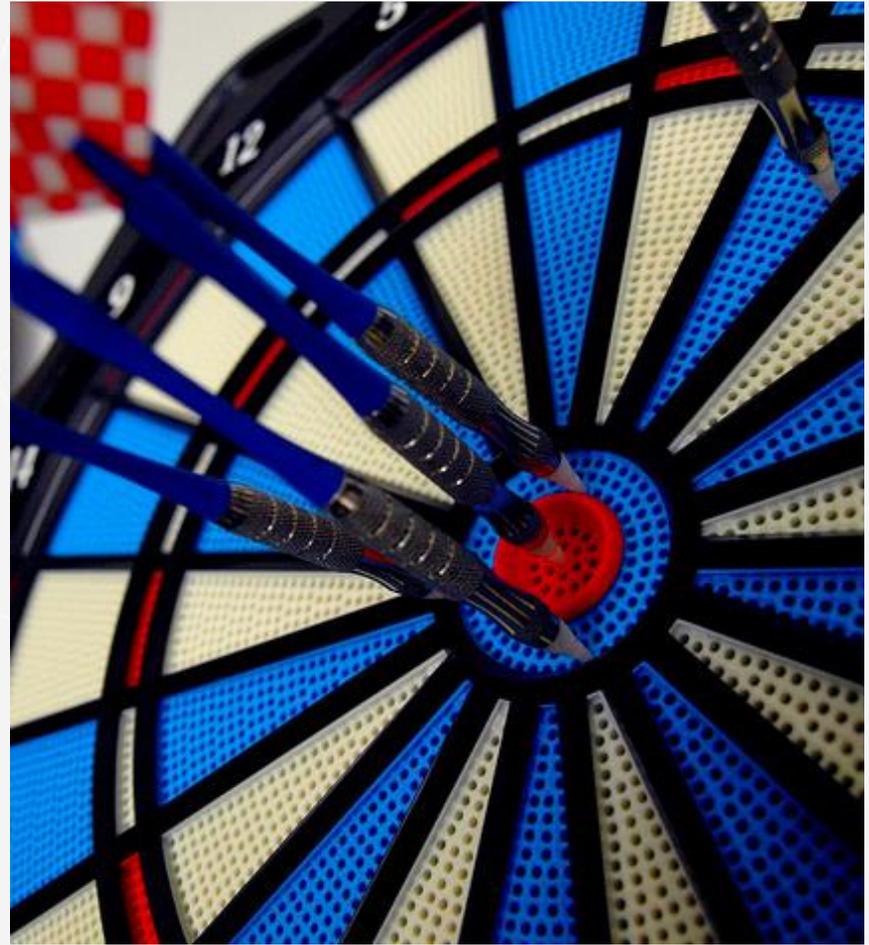
Collaboration is key

- Delivering a service to the community
- Collaboration and co-development in conjunction with libraries and academic institutions
- Working with publishers to provide enhanced customer service



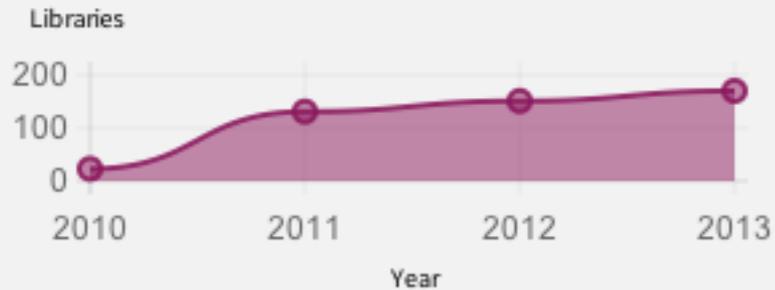
What is JUSP?

- Supports libraries by providing a single point of access to e-journal usage data
- Assists management of e-journals collections to inform evaluation and decision-making processes
- Enables usage comparisons and trend analysis

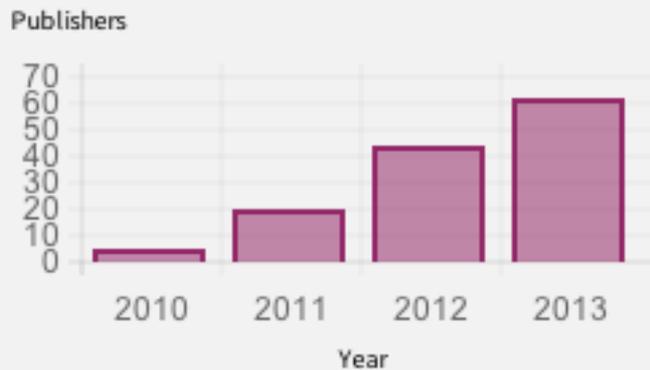


JUSP in numbers

Number of Libraries in JUSP



Number of Publishers and Intemediaries in JUSP



Cost Savings per Institution

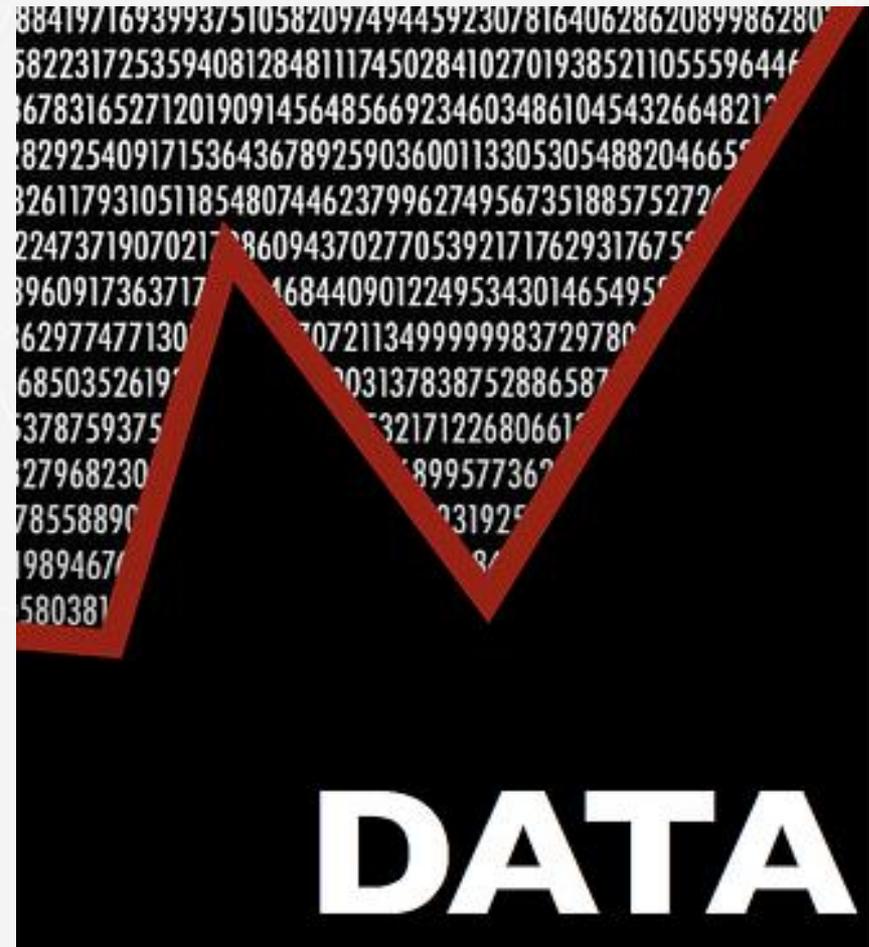
What's in JUSP?

JR1 - Journal Report 1: Number of Successful Full-Text Article Requests by Month and Journal

JR1a - Journal Report 1a: Number of Successful Full-Text Article Requests from an Archive by Month and Journal

JR1 GOA - Number of Successful Gold Open Access Full-Text Article Requests by Month and Journal

JR5 – Coming soon



JUSP data presentation

JUSP report type	JUSP report title
Journal level reports	<ul style="list-style-type: none">• JR1, JR1a and JR1 GOA reports• JR1 reports inc gateways and intermediaries• JR1 reports excluding backfile usage• Individual journal search and usage
Summary reports	<ul style="list-style-type: none">• SCONUL return• Annual summary of publisher usage• Annual summary use of gateway and host intermediaries• Annual summary use of backfiles• Number of titles and requests in usage ranges• Trends over time - tables and graphs• Titles with the highest use• Breakdown of publisher and gateway usage (title and year)(title and date range)
Titles and deals reports	<ul style="list-style-type: none">• Titles included in deals (year/multiple years)• Compare deals• Titles vs NESLi2 deals• Compare two deals from the same publisher
Usage profiling	<p>These reports enable a comparison of usage from a particular publisher with an average for all libraries for which we hold data from that publisher in JUSP and that are in the same geographical region or mission group to which their institution belongs</p>

JUSP data presentation

Publisher: Elsevier

From M: Jan Y: 2014 to M: May Y: 2014 [Generate](#)

A Dummy Institution

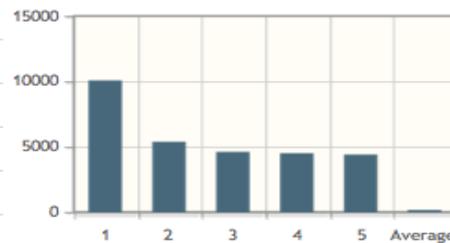
Publisher: Elsevier

Start: Jan 2014

End: May 2014

Chart - overall usage of top 5 v average

Top 5 titles	Downloads
Lancet, The	10053
Cognition	5385
European Urology Supplements	4600
Cell	4503
Biophysical Journal	4403
Average for 3429 titles	163



Important note: The JR1 report is likely to contain a number of titles that are not in the deal you subscribe to. You are therefore advised to treat the nil usage figure in this table with some caution.

[Download this report as CSV file](#) [new window]

JR1 report for A Dummy Institution (Publisher: Elsevier) [[★ core title](#)] [[DOAJ](#) Fully Open Access title, according to DOAJ, www.doaj.org]

No.	Title Show core titles first	Platform	ISSN	eISSN	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Total
Totals					101242	121423	139884	96341	99990	558880
1	AASRI Procedia	ScienceDirect	2212-6716		8	71	72	54	11	216
2	Academic Pediatrics	ScienceDirect	1876-2859		28	55	50	50	65	248
3	Academic Radiology	ScienceDirect	1076-6332		29	96	86	61	107	379

JUSP data presentation

Institution: A Dummy Institution



Publisher: Elsevier



Year: 2013



Generate

A Dummy Institution

Publisher: Elsevier

Year(s): 2013

[Download this report as CSV file \[new window\]](#)

Which titles have the highest use? (Top 100) [core title]

No	Title Show core titles first	Publisher	ISSN	eISSN	Direct	Via intermediaries	Total Requests
1	Lancet, The	Elsevier	0140-6736		67,286	0	67,286
2	Journal of Molecular Structure	Elsevier	0022-2860		63,064	0	63,064
3	Tetrahedron Letters	Elsevier	0040-4039		61,406	0	61,406
4	Bioorganic & Medicinal Chemistry	Elsevier	0968-0896		42,103	0	42,103
5	Cell	Elsevier	0092-8674		34,681	0	34,681
6	International Journal of Project Management	Elsevier	0263-7863		29,306	0	29,306
7	Social Science & Medicine	Elsevier	0277-9536		28,899	0	28,899
8	Journal of Business Research	Elsevier	0148-2963		25,129	0	25,129
9	Corrosion Science	Elsevier	0010-938X		21 218	0	21 218

How is JUSP used?

- ✗ Making effective use of staff time
- ✗ Assisting academic departments in understanding resource use
- ✗ Collecting data for regular reporting and decision making
- ✗ Informing decisions for substitutions and cancellations
- ✗ Comparing usage of a particular title, package or deal with other institutions of a similar size, in the same region or the same mission group
- ✗ In conjunction with other statistical analysis tools, e.g. Ex Libris' UStat
- ✗ In combination with other services, e.g. the UK's national shared Knowledge Base+ (KB+)
- ✗ A number of use cases are available at: <http://www.jusp.mimas.ac.uk/use-cases/>

What do libraries say about JUSP?

The best thing about JUSP is:

“I can see a whole range of publisher statistics with one login.”

“It saves me time and gives me confidence that errors in usage data can be picked up and addressed collaboratively.”

“The range of different reports can help with different aspects of ejournal collection management”

“Very customer focused and develops in response to customer needs”

“Wouldn't be without it”



What is IRUS-UK?

- ✗ IRUS-UK is an outcome of PIRUS2

A new service which:

- ✗ Collects raw usage data from UK Institutional Repositories for *all item types* within repositories
 - ✗ Downloads not record views
- ✗ Processes those raw data into COUNTER-compliant statistics
- ✗ Returns those statistics back to the originating repositories for their own use
- ✗ Gives Jisc (and others) a wider picture of the overall use of UK repositories
 - ✗ demonstrates their value and place in the dissemination of scholarly outputs
- ✗ Offers opportunities for benchmarking/profiling/reporting
- ✗ Can act as an intermediary between UK repositories and other agencies
 - ✗ e.g. global central clearinghouse, national shared services, OpenAIRE

IRUS data presentation

IRUS report title	IRUS report description
Item Report 1 (IR1) Item Report2 (IR2)	<ul style="list-style-type: none"> • Number of successful item download requests by month and repository identifier for a selected repository • Number of successful item download requests by month and item type for a selected repository
ETD Report 1 (ETD1)	<ul style="list-style-type: none"> • Number of successful thesis or dissertation download requests by month and repository identifier for a selected repository
Repository Report 1 (RR1) Repository Report 2 (RR2) Repository Report 3 (RR3) Repository Report 4 (RR4)	<ul style="list-style-type: none"> • Number of successful item downloads by month for all participating repositories • Number of successful item downloads for a selected item type by month for all participating repositories • Number of successful item downloads by month for all participating repositories in a particular Jisc Band • Number of successful item downloads by month for all participating repositories in a particular Country.
Consolidated Article Report 1 (CAR1)	<p>Prototype, demonstration report which provides the number of successful monthly article download requests by DOI and repository identifier, across all participating repositories. The intended recipient of this report is a (future) PIRUS Central Clearing House which will collect and process usage statistics at the individual article level from publishers, aggregators, repositories and other sources in order to derive consolidated PIRUS usage statistics per article</p>

IRUS data presentation

Summary statistics	IRUS description
Repository stats	<ul style="list-style-type: none">• Breakdown of IRUS-UK data by participating repository
Country stats	<ul style="list-style-type: none">• Breakdown of IRUS-UK data by participating countries
Platform stats	<ul style="list-style-type: none">• Breakdown of IRUS-UK data by software platform used (currently Dspace, Eprints or Fedora)
Article stats	<ul style="list-style-type: none">• IRUS-UK has agreed a listing of 25 item types to which all item types used by participating repositories are mapped (http://www.irus.mimas.ac.uk/news/IRUS_item_type_report_Jan2013_v2_0.pdf)
DOI stats	<ul style="list-style-type: none">• This table shows, for each item type across all repositories where DOIs are available in the metadata that we harvest, the numbers of items of that type downloaded from repositories since joining IRUS-UK and for each item type, the numbers and percentages that have DOIs available.

IRUS-UK data presentation

The screenshot shows the IRUS-UK website interface. At the top, there is a browser window with the URL <http://www.irus.mimas.ac.uk/portal/>. Below the browser, the website header features the "IRUS-UK" logo in large blue letters. A navigation sidebar on the left lists various sections: Home, Search, Statistics Views (Repository stats, Country stats, Platform stats, ItemType stats, Ingest Stats), Metadata Views (IRUS-UK Itemtype mappings, DOI summary, Article DOI summary by IR), Statistics Reports (Article Report 1J (AR1J) **NEW!**, Item Report 1 (IR1), Item Report 2 (IR2), ETD Report 1 (ETD1), Repository Report 1 (RR1) **NEW!**, Consolidated Article Report 1 (CAR1)), and Metadata Reports (DOI Duplicates Report 1 (DD1) **NEW!**). The main content area is titled "Home" and displays an "Overall Summary as at 30th Jul 2014". A text block explains that the table provides an "at a glance" summary of data including participating repositories, items downloaded, and download counts. A PDF icon and link "Download this table as a PDF" are provided. Below this is a table titled "Headlines at a glance" with the following data:

Headlines at a glance	
Repositories	64
Items	243,908
Downloads up to Jun-2014	17,776,234
Downloads this month	1,153,593
Total Downloads	18,929,827

Below the table, the text "IRUS-UK growth over time **NEW!**" is displayed. A line chart titled "IRUS-UK growth over time" shows the number of repositories over time. The y-axis ranges from 250,000 to 70. The x-axis shows a sequence of years from 2000 to 2014. The data points for the years 2013 and 2014 are labeled as 61 and 63, respectively, indicating a steady increase in the number of repositories.

IRUS-UK data presentation

The screenshot shows a web browser displaying the IRUS-UK data presentation. The browser address bar shows the URL: <http://www.irus.mimas.ac.uk/portal/r1.new/?frmFrom=2014-01-01&frmTo=2014-06-30&frmType=Article&frmJiscBand=&frmCountry=&frmFormat=HTML>. The browser tabs include paul.needham1@btinternet.com, libraryassessment.org, phpMyAdmin, Cranfield University Secure VPN, ESA Online Journals - Ecologic..., and IRUS-UK. The browser's search bar contains the text "library".

The main content area displays the "Repository Report 1 (RRI), Number of Successful Item Download Requests by Month and Repository". The report covers the period from 2014-01-01 to 2014-06-30, with filters set to "Itemtype: Article" and a date run of 2014-07-30.

Repository	Total	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014
Totals	2,857,459	431,470	439,102	513,530	541,977	517,135	414,245
Aberdeen University Research Archive (AURA)	17,147	3,565	3,298	3,029	2,834	2,561	1,860
Abertay Research Collections (ARC)	4,524	656	632	840	886	844	666
Anglia Ruskin Research Online, ARRO	1,435	0	0	0	0	530	905
BIROn - Birkbeck Institutional Research Online	30,701	4,110	4,500	6,156	6,456	5,636	3,843
Bath Spa University - ResearchSPaCe	737	100	43	72	168	207	147
Bournemouth University BURO	53,495	6,955	8,194	9,966	10,335	9,978	8,067
Bucks Knowledge Archive	137	0	0	0	0	32	105
CADAIR - Aberystwyth University open access repository	21,817	4,455	4,686	3,563	3,839	3,347	1,927
Canterbury Research and Theses Environment - CReaTE	886	166	146	119	170	161	124
ChesterRep - the University of Chester's Online Research Repository	216	0	0	0	0	73	143
City Research Online	53,270	6,578	8,789	9,664	10,179	10,051	8,009
Cranfield University CERES	207,005	28,993	32,008	39,053	41,863	37,787	27,301

IRUS-UK data presentation

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

Cranfield University CERES

Date Run: 30/07/2014

Sort report by: Downloads ▾ Descending ▾ **Update**

ID	Title	Author(s)	Itemtype	May-2014	Jun-2014	Downloads
Totals				75,245	57,541	132,786
http://dspace.lib.cranfield.ac.uk/handle/1826/1221	Managing and measuring for value: the case of call centre performance	Marr, Bernard; Neely, Andrew	Report	1,365	865	2,230
http://dspace.lib.cranfield.ac.uk/handle/1826/113	The Development and application of a bespoke organisational learning competency framework in a global organisation	Tarrini, Mauro G.	Thesis or dissertation	780	559	1,339
http://dspace.lib.cranfield.ac.uk/handle/1826/1455	The Impact of Regulation on Economic Growth in Developing Countries: A Cross-Country Analysis.	Jallilian, Hossein; Kirkpatrick, Colin; Parker, David	Article	825	469	1,294
http://dspace.lib.cranfield.ac.uk/handle/1826/2658	The Agile Supply Chain: Competing in Volatile Markets.	Christopher, Martin	Article	831	424	1,255
http://dspace.lib.cranfield.ac.uk/handle/1826/621	Relationship marketing : bringing quality customer service and marketing together	Christopher, Martin; Payne, Adrian; Ballantyne, David	Working Paper	803	433	1,236
http://dspace.lib.cranfield.ac.uk/handle/1826/3256	What do we mean by corporate social responsibility?	Moir, Lance	Article	695	413	1,108

How are data gathered?

- × Whenever a file is downloaded from a participating repository, it sends a message to the IRUS-UK server with some details about the download
- × Accomplished by adding a small piece of code to repository software, which employs the 'Tracker Protocol'
- × <http://www.irus.mimas.ac.uk/help/toolbox/TrackerProtocol-V3-2014-04-22.pdf>
- × Pushes minimal raw download metadata to a third-party server as OpenURL Key/Value strings
- × Patches for DSpace (1.8.x, 3.x, 4.1) and Plug-in for Eprints (3.2-3.3.x)
- × Implementation guidelines for Fedora
- × Not in IRUS-UK scope, but also successfully deployed by:
 - × OAPEN Library - freely accessible academic books, ARNO software
 - × CORE - millions of scholarly articles aggregated from many Open Access repositories

How is IRUS used?

- × Advocacy
- × Standards based reliable statistics
- × Benchmarking at a national level
- × Including statistics in your repository
- × Reporting to management
- × Reporting to academics/researchers
- × Provides an evidence base for repositories to develop policies and initiatives to support their objectives
- × Use cases will be available shortly

What do users say about IRUS-UK?

“The set up was quick and painless, which is always a delight!”

“Consistent collection of statistics without me having to do it!”

“Provision of standards-based usage statistics that can be compared with publisher reports, so that the visibility of open access repository content can be highlighted.”

“It has potential to help identify problems in the metadata e.g. incorrect DOIs.”

“High quality download stats that conform to a standard, that we can compare to other universities for benchmarking.”

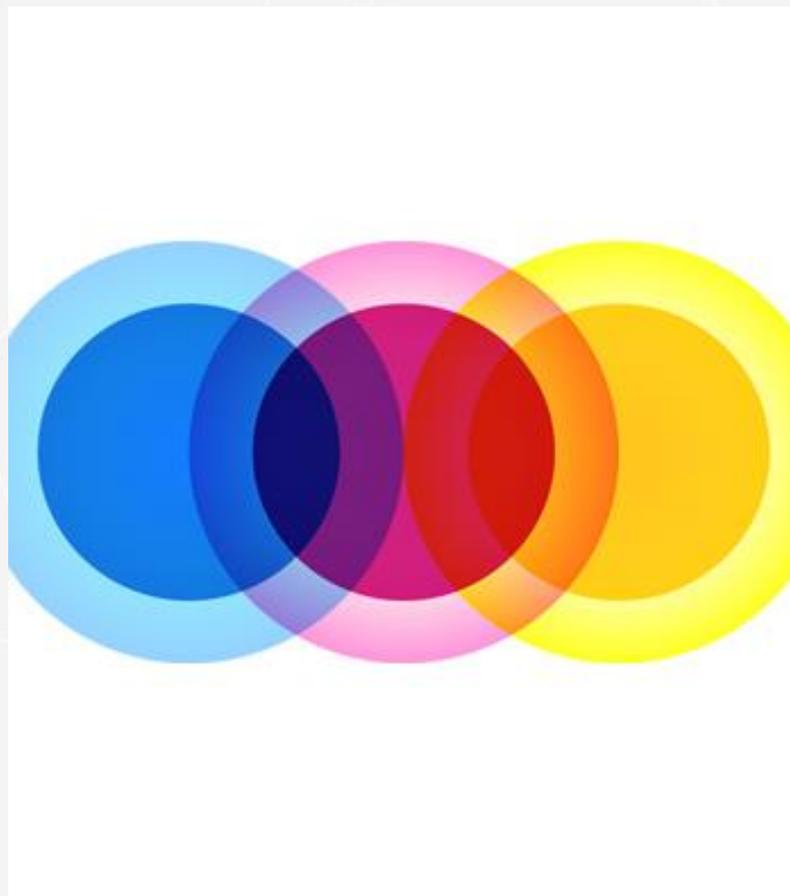
“Provides useful usage stats for librarians.”

Value of JUSP and IRUS-UK

- × Consistent, comparable standards based measurement
- × JUSP provides a UK wide picture of usage to support national negotiations
- × Strength in numbers, community engagement and support encourages COUNTER compliance
- × Quality Assurance
- × Offers higher education institutions an opportunity for benchmarking at a national level

Value of JUSP and IRUS-UK outside UK

- Knowledge sharing within the UK and with overseas consortia
- Providing information and feedback to bodies such as COUNTER and NISO
- SUSHI client available as free, open source software
- Ongoing consultation with HEI representatives and publishers
- JUSPConsult provides services outside the UK



Useful links

× JUSP

- × <http://www.jusp.mimas.ac.uk/use-cases/> - short presentation by Alison Brock from the Open University also outlining how her institution is using JUSP and its benefits
- × <http://jusp.mimas.ac.uk/docs/JUSP-Community-Survey-2013.pdf> - community survey
- × <http://www.jusp.mimas.ac.uk/guides-to-reports/> - guides to reports
- × <http://www.jusp.mimas.ac.uk/events-training/> - training exercises

× IRUS-UK

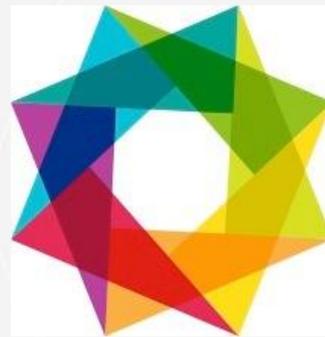
- × <http://www.irus.mimas.ac.uk/news/> - articles, newsletters, webinars
- × http://www.irus.mimas.ac.uk/news/IRUS_item_type_report_Jan2013_v2_0.pdf - 30 January 2013, "Use of item types by UK institutional repositories - Version 2.0", Anne Reed (Mimas)
- × http://www.irus.mimas.ac.uk/news/IRUS-UK_Community_Survey_2014.pdf - community survey

How do I find out more?



<http://jusp.mimas.ac.uk>

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<http://irus.mimas.ac.uk>

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