

IRUS-UK

Making scholarly statistics count in
UK repositories

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IRUS-UK

- ◉ Funded by JISC as part of UK RepositoryNet+
- ◉ Lead by Mimas
- ◉ Primary Project Team Members:
 - Mimas
 - Cranfield University
 - EvidenceBase, BCU
- ◉ IRUS:
Institutional Repository Usage Statistics

IRUS-UK: history

- Emerged as an outcome of PIRUS2
 - Publisher and Institution Repository Usage Statistics project
 - Aimed to develop a global standard to enable the recording, reporting and consolidation of online usage statistics for individual journal articles hosted by Institutional Repositories, Publishers and others
 - Proved it was technically feasible, but thwarted by organisational and political issues
 - However, crisis/opportunity... we now knew it was possible to...

IRUS-UK: aim

- Enable UK IRs to share/expose usage statistics based on a global standard – COUNTER
 - Produced on the same basis as publishers
 - Filtered to remove robots and double clicks
 - Comparable
 - Reliable
 - Trustworthy
 - Authoritative

IRUS-UK: objectives

- ◉ Collect raw usage data from UK IRs for all item types within repositories
 - Downloads not record views
- ◉ Process those raw data into COUNTER-compliant statistics
- ◉ Return those statistics back to the originating repositories for their own use

IRUS-UK: objectives

- Give JISC (and others) a nation-wide picture of the overall use of UK repositories
 - demonstrate their value and place in the dissemination of scholarly outputs
- Offer opportunities for benchmarking
- Act as an intermediary between UK repositories and other agencies
 - e.g. global central clearinghouse, national shared services, OpenAIRE

IRUS-UK: gathering data

- Considered 2 scenarios for gathering data
 - ‘Tracker’ code
 - a server-side ‘Google Analytics’ for item downloads
 - Pushes metadata to a third-party server as OpenURL Key/Value strings
 - OAI-PMH harvesting
 - Used to by third parties to ‘pull’ metadata from repositories
 - Repurposed to expose usage events as OpenURL Context Objects
- Opted for the Tracker
 - Just easier
 - Plugins/patches available for DSpace and Eprints

IRUS-UK: gathering data

- IRUS logs receive OpenURL strings

- 81.17.244.212 - - [06/Jul/2012:00:00:00 +0100]
"HEAD /counter/?url_ver=Z39.88-2004&url_tim=2012-07-05T22%3A59%3A59Z&req_id=urn%3Aip%3A86.15.47.114&req_dat=Mozilla%2F5.0+(iPhone%3B+U%3B+CPU+iPhone+OS+5_1_1+like+Mac+OS+X%3B+en-us)+AppleWebKit%2F534.46.0+(KHTML%2C+like+Gecko)+CriOS%2F19.0.1084.60+Mobile%2F9B208+Safari%2F7534.48.3&rft.artnum=oai%3Aeprints.hud.ac.uk%3A8795&svc_format=application%2Fpdf&rfr_id=eprints.hud.ac.uk HTTP/1.1" 200 - "-" "EPrints 3.2.2 (Chocolate Cake) [Born on 2010-05-25]"

IRUS-UK: processing data

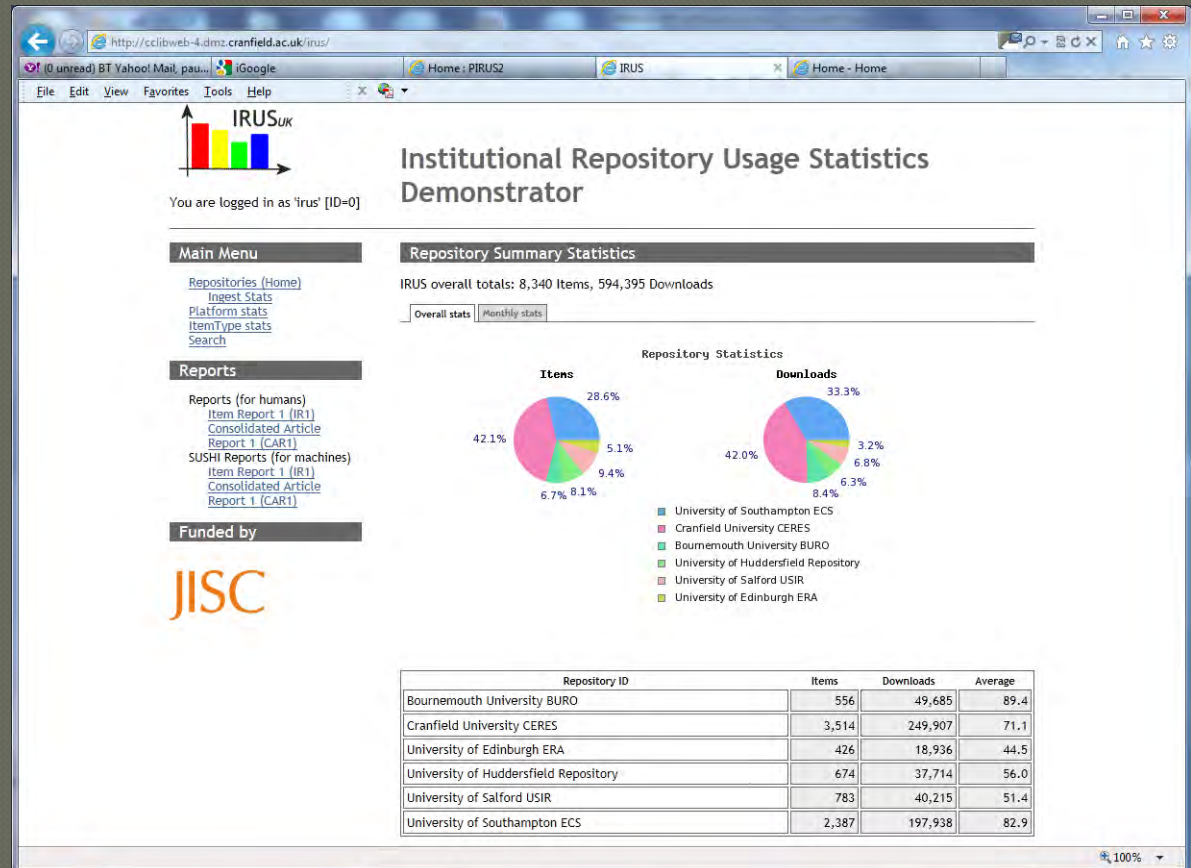
- Logs are processed daily
- Step 1: Perl script parses the logs
 - Processes entries from recognised IRs
 - Sorts and filters entries following COUNTER rules
 - Consolidates daily accesses for each item
 - Outputs to intermediate file
- Step 2: Perl script parses intermediate file
 - Looks up each item in the IRUS DB
 - If item is unknown to the system uses an OAI GetRecord to retrieve and add item metadata to DB
 - Updates DB with new statistics

IRUS-UK: showing statistics

○ IRUS Portal – overall stats

Notes:

- Screenshot is from earlier demonstrator
- Current portal is in early development stage
- Who can see what – still to be decided

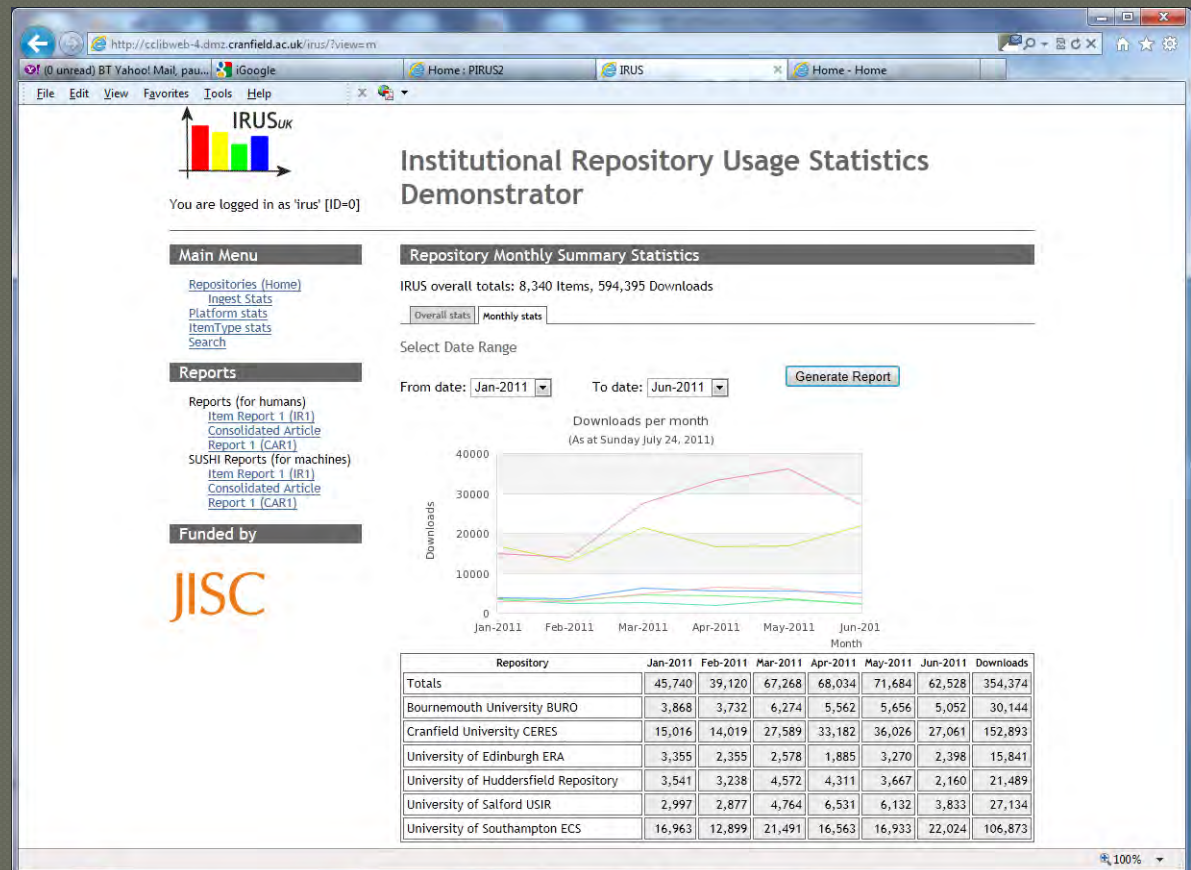


IRUS-UK: showing statistics

IRUS Portal – monthly stats

Notes:

- IRUS will also produce daily stats
- Further views into the DB – still to be decided



IRUS-UK: getting statistics out

- Various reports will be available to Institutions
 - For humans, downloads as CSV/Excel spreadsheet files
 - Monthly and daily granularity
 - For machines, harvesting via SUSHI
 - Monthly granularity
- Usage statistics for incorporation into Repositories
 - Via an API/Web Service
 - details yet to be determined

IRUS-UK: where we are now

- ◉ Pioneers sending data to IRUS
 - Bournemouth, City, Huddersfield (Eprints)
 - Cranfield (Dspace)
 - Others in the pipeline (inc. Leicester, Salford)
- ◉ We're working on:
 - Ingest scripts
 - Portal UI – basics
 - Spreading the word about IRUS

IRUS-UK: next steps

- ◉ More of what we're already doing...
- ◉ Community Engagement
 - Getting more IRs on-board
 - Defining and evaluating user requirements
 - including surveys, interviews, monitoring feedback, etc.
- ◉ Processes to support
 - institutional liaison, data collection, monitoring and responding to future requirements, ensuring interoperability
 - development and production environments including monitoring, back-up, authentication and archiving policies and processes
- ◉ Formal application for COUNTER-compliance

IRUS-UK

- ◉ Project web site:
 - <http://www.irus.mimas.ac.uk/>
- ◉ Please contact our helpdesk irus@mimas.ac.uk
 - if you are a UK repository wishing to participate in IRUS
 - You just want more info...
- ◉ Thank you!