IRUS-UK

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

- Emerged as an outcome of PIRUS2
  - Publisher and Institution Repository Usage Statistics project
  - http://www.cranfieldlibrary.cranfield.ac.uk/pirus2/
  - 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
  - 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, SCONUL, OpenAIRE
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%3Aaip%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+Mobil
    e%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
    - Plus additional IRUS-UK filters
    - 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 add item with (most) metadata “unknown”
    - Updates DB with new statistics (for both ‘known’ & ‘known unknowns’)
  - Step 3: Obtain “unknown” metadata
    - For the ‘known unknowns’ uses an OAI GetRecord to retrieve
    - Updates the metadata to DB
IRUS-UK: Overall Summary S/shot

OVERALL SUMMARY AS AT 25TH FEB 2013

At a glance
- Repositories: 15
- Items: 65,092
- Downloads: 1,826,442
- Downloads up to Jan 2013: 1,486,725
- Downloads this month: 339,717

For enquiries about RePNet, please contact: repnet@repositoryuk.uk
If you are a UK repository wishing to participate in IRUS-UK, please contact: irus@mimas.ac.uk

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IRUS-UK: (Author) Search S/shot
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IRUS-UK: getting statistics out

- Various reports are/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
    - Initial version in place
  - Further requirements to be determined
IRUS-UK: where we are now

- Growing number of repositories sending data to IRUS-UK
- Currently 15 participants:
  - Bournemouth, City, Greenwich, Huddersfield, LSE, NERC, Northumbria, Open, Reading, Salford, Sussex, Warwick (Eprints)
  - Aberystwyth, Cranfield, RGU (DSpace)
  - Others in the pipeline
- We’re working on:
  - Refining the Ingest scripts
  - Portal UI – basic until informed choices can be made
  - Spreading the word about IRUS-UK
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 polices and processes

• Formal application for COUNTER-compliance
Contacts & Information

- For general enquiries, please contact
  - support@repositorynet.ac.uk

- If you are a UK repository wishing to participate in IRUS-UK, please contact
  - irus@mimas.ac.uk

- Project web site:
  - http://www.irus.mimas.ac.uk/

- Thank you!