E-resources Management and the E-Resources Life-Cycle

Dr. Jagdish Arora
Director, INFLIBNET Centre
E-resources

- E-books, e-journals, databases
- e-theses, dissertations
- digitized manuscripts, images and photographs, artifacts of cultural heritage
- e-learning materials
- Library Collection and many more
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E-resources Life-Cycle (e-journals and e-books)

E-resources Life-Cycle: Acquisition

- Find Resource
- Make trial
- Budget/Need Assessment
- Evaluate e-resource
- Order
- Licensing
- Payment
- Patron Driven Acquisition
- Consortia Based Acquisition

Related Standards/Initiatives:
- NISO CORE (Cost of Resource Exchange) Standard
- ONIX for Publications Licenses (ONIX-PL)
- Shared Electronic Resource Understanding (SERU)
E-resources Life-Cycle: Acquisition Sources for Identification of Journals
E-resources Life-Cycle: Administration

Major Terms for Negotiation for UGC-INFONET DLC

• Coverage: Total number of journals covered in a resource (Records in case of databases).
• Journals Offered: Total number of journals offered in the proposal.
• Subscription Rates: Rates of subscription as compare to its list price
• Dependency of subscription rates on print subscription.
• Increase in rates of subscription in subsequent years.
• Backfiles: Access to backfiles (no. of years) / backdata offered.
• Archival Access: Perpetual / CDs / Print / Other media + one additional year on each renewal of subscription each year.
• Resource Sharing / Inter Library Loan (ILL) using soft copy / print copy.
• Open Access Policy: Policy regarding permitting self archiving of articles by authors through institutional repositories.
• Subscription on prorate basis / non-calendar year basis.
E-resources Life-Cycle: Accessibility

**Related Standards/ Initiatives:**
- OpenURL
- MARC21
- KBART
- OpenURL
- Improving OpenURL Through Analytics (IOTA)
- Open Discovery Initiative (ODI)

**Related Access:**
- IP based Access
- Username Based
- Off-campus Access
- Shibboleth/Athens/Ezproxy etc.
- Linking from OPAC
- Creating A-Z list
- Federated Search/Discovery Services
Creating A-Z listing of titles with linking
E-resources Life-Cycle: Accessibility
Off-campus Access Mechanisms

- NLIST Programme (using Ezproxy)
- Parichay: Shibboleth Access by INFLIBNET Centre
E-resources Life-Cycle: Administration

- Acquisition
- Accessibility
- Renewal
- Support
- Evaluation

Administration:
- Maintain Terms of License
- Subscription period
- ILL Terms
- User Rights & Restrictions
- Back-files access
- Maintain URL, holding list & A-Z list
- Cataloguing
- Administer the e-resources

Administer the e-resources
E-resources Life-Cycle: Support

- Acquisition
- Accessibility
- Administration
- Renewal
- Evaluation

Support

- Prepare User guides/Manuals
- Software support
- Hardware Support
- Monitor Network issue
- IP Changes
- Password expiration/changes
- Contact Info of Publishers
E-resources Life-Cycle: Support

Contact Details for All publishers for any query
E-resources Life-Cycle: Evaluate

Related Standards/Initiatives:
- COUNTER (Counting Online Usage of Networked Electronic Resources)
- Standardized Usage Statistics Harvesting Initiative (SUSHI)
- PIRUS (Publisher and Institutional Repository Usage Statistics)

- COUNTER Statistics
- A-Z link statistics
- Discovery/federated search statistics
- Cost-per-usage
- Cost-benefit Analysis
- ROI
- Citation Analysis

Administration
Support
InfiStats Usage Statistics Portal

Member Login

Username:
Password:
Login

Latest Updates:
- Usage Statistics Updated for JSTOR for July 2014 on 2014-08-19
- Usage Statistics Updated for RSC for June 2014 on 2014-08-04
- Usage Statistics Updated for Emerald for June 2014 on 2014-08-04

Total No of Full-text Article Downloads: 70,996,629
No of Member Institutions: 416

<table>
<thead>
<tr>
<th>Year</th>
<th>No of Full-text Downloads</th>
</tr>
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<tbody>
<tr>
<td>2009</td>
<td>6,181,800</td>
</tr>
<tr>
<td>2010</td>
<td>8,010,814</td>
</tr>
<tr>
<td>2011</td>
<td>13,916,172</td>
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<td>2012</td>
<td>16,594,330</td>
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<td>2013</td>
<td>20,525,887</td>
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<tr>
<td>2014</td>
<td>5,737,646</td>
</tr>
<tr>
<td>Total</td>
<td>70,996,629</td>
</tr>
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</table>

Yearwise Article Downloads by Member Institutions

- Year 2009: 6,181,800
- Year 2010: 8,010,814
- Year 2011: 13,916,172
- Year 2012: 16,594,330
- Year 2013: 20,525,887
- Year 2014: 5,737,646
Primary AIM of INFISTATS

Provide standardized COUNTER Compliant Usage statistics to Member Universities

Uses the NISO SUSHI Standard for automated harvesting of Usage statistics Minimizing Time & Effort

Provide a one stop shop for viewing and downloading usage statistics of all e-resources subscribed by the Universities

Graphical presentation of Data

Provide Trend Report For resources
System Architecture

- Uses the php-soap extension to create SUSHI call to publisher server
- Receives Response in COUNTER-XML format
- Read the response using php DOM parser
- Match Institution ID of report with consortium member ID
- Import the data into mysql table
- Presentation of the Data on Portal
Screenshot of summary of usage for a member Institution for the period of January 2012 – December 2012

<table>
<thead>
<tr>
<th>Member Name</th>
<th>Period: 1-2012 to 12-2012</th>
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<tbody>
<tr>
<td>Platform</td>
<td>Jan</td>
</tr>
<tr>
<td>Royal Society of Chemistry</td>
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</tr>
<tr>
<td>APS</td>
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<tr>
<td>Oxford University Press</td>
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<tr>
<td>Institute of Physics</td>
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<td>American Institute of Physics</td>
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<td>Annual Reviews</td>
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<td>Cambridge University Press</td>
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<td>JSTOR</td>
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</table>

Bar Chart
Auto Generated Bar chart and line chart for summary of usage
Resource Name: APS

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
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<tr>
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<td>330</td>
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<td>653</td>
<td>830</td>
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<td>565</td>
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<td>1532</td>
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<tr>
<td>2012</td>
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Trend for a selected resource over the years
E-resources Life-Cycle: Renewal

- Acquisition
- Accessibility
- Administration
- Support
- Evaluation
- Renewal
## ERM Software

<table>
<thead>
<tr>
<th>Proprietary</th>
<th>Open Source/ Free</th>
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</thead>
<tbody>
<tr>
<td>• Proquest's 360 Resource Manager</td>
<td></td>
</tr>
<tr>
<td>• Innovative's ERM</td>
<td></td>
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<tr>
<td>• TDNet Core ERM</td>
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<tr>
<td>• Swetswise Electronic Resource Management</td>
<td></td>
</tr>
<tr>
<td>• Gold Rush</td>
<td></td>
</tr>
<tr>
<td>• Researcher (CUFTS, dbWiz, GODOT)</td>
<td></td>
</tr>
<tr>
<td>• CORAL</td>
<td></td>
</tr>
<tr>
<td>• TERMS</td>
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<tr>
<td>• E-Matrix</td>
<td></td>
</tr>
<tr>
<td>• ERMes</td>
<td></td>
</tr>
</tbody>
</table>
Thanks You