Providing Document Delivery Services Using Electronic Journals

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Outline

- Electronic document delivery (EDD)
- Review of TANIC EDD transactions
  - Distribution of most heavily requested journal titles
  - Literature obsolescence
- Implications for collection management
Electronic Document Delivery

- Delivery of printed / electronic documents by electronic means
- Publishers are reluctant to grant libraries to use e-journals for ILL and EDD purposes
- BL agreement with Elsevier Science & Adobe
- Tremendous increase in the number of articles downloaded from e-journals
- Users of ANKOS libraries downloaded more than 2M articles in 2002 (1.1M in 2001)
- TANIC fulfilled 37% of all of its in-house article requests through its e-journal collection (Jan.-May 2003)
EDD Using E-Journals

- TANIC Document Delivery Unit
- DDU received more than 200,000 document delivery requests between June 2000-May 2003
- Satisfaction rate: 70%.
- 14,447 requests fulfilled through e-journals
# of requests by months (Jan. 2001-May-2003)
Number of requests by sectors (N=14,447)

- **Academic**: 68%
- **Private**: 9%
- **Public**: 5%
- **Unknown**: 18%
Cumulative # of periodical titles

Journal titles

<table>
<thead>
<tr>
<th>N</th>
<th>%</th>
<th>Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>5</td>
<td>4776</td>
</tr>
<tr>
<td>273</td>
<td>15</td>
<td>4783</td>
</tr>
<tr>
<td>1481</td>
<td>80</td>
<td>4888</td>
</tr>
<tr>
<td>1856</td>
<td>100</td>
<td>14,447</td>
</tr>
</tbody>
</table>

Core journals

Cumulative % of the number of requests

- 100% cumulative
- 80% cumulative
- 5% cumulative
- 15% cumulative
- 5% cumulative
## Top 10 Journals

<table>
<thead>
<tr>
<th>Title</th>
<th>% or all requests satisfied</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUROPEAN RADIOLOGY</td>
<td>0.9</td>
</tr>
<tr>
<td>THERIOGENOLOGY</td>
<td>0.7</td>
</tr>
<tr>
<td>INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY</td>
<td>0.7</td>
</tr>
<tr>
<td>SURGICAL ENDOSCOPY</td>
<td>0.7</td>
</tr>
<tr>
<td>LANCET</td>
<td>0.6</td>
</tr>
<tr>
<td>AMERICAN JOURNAL OF GASTROENTEROLOGY</td>
<td>0.6</td>
</tr>
<tr>
<td>OSTEOPOROSIS INTERNATIONAL</td>
<td>0.6</td>
</tr>
<tr>
<td>WORLD JOURNAL OF SURGERY</td>
<td>0.5</td>
</tr>
<tr>
<td>GYNECOLOGIC ONCOLOGY</td>
<td>0.5</td>
</tr>
<tr>
<td>FREE RADICAL BIOLOGY AND MEDICINE</td>
<td>0.5</td>
</tr>
</tbody>
</table>
% of fulfilled requests from e-journals by year

- 2003: 2%
- 2002: 20%
- 2001: 24%
- 2000: 19%
- 1999: 12%
- 1998: 11%
- 1997: 4%
- 1996: 3%
- 1995: 4%
- 1994-1969: 1%
Implications for Collection Management

- Cheaper to use e-journals for EDD purposes
- E-journal collection should be checked first
- Identification of core journals list
- Core journal lists are fairly consistent
- Literature obsolescence
- Overlap between different journal packages
- Unmediated document delivery
- Pay-as-you-go
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