Electronic Government Publications: Collection Development Considerations

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Available at: https://works.bepress.com/susan_kendall/42/
Our e-resource usage is dramatically increasing

- San Jose State, like so many other libraries, has increased the number of electronic resources, including:
  - Government publications
  - Databases
  - Electronic Book packages
2009-2010:
4680 full text titles downloaded

2010-2011:
7295 full text titles downloaded (so far)
Ebooks stats @ SJSU

- 2009-2010
  - 244,713

- 2010-2011
  - 723,861
Print use is down

- **Print government publications** 2010-2011 – 3 checkouts of print versions.
- In-house shelving of government publications:
  - 2009 ---- 1,311
  - 2010 ---- 1,233
- **Print books from our total circulating collection**:
  - 2009---194,051
  - 2010---159,274
Question

• Is there a correlation between the rise in the use of e-govpubs and ebooks?
Possible reasons for increased use of electronic versions

• More hybrid or distance classes
• Better technology to read item
• Rise of Affordable Learning Solutions
• More patrons are comfortable with online environment
• Convenience
Comparison of DDA & Egovpub

- Business, incl. recreation
- Education & Lib. Sci.
- Science & Technology
- Humanities
- Social Sciences
- Health

<table>
<thead>
<tr>
<th>Category</th>
<th>DDA</th>
<th>Egovpubs</th>
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<td>Business, incl. recreation</td>
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<tr>
<td>Health</td>
<td>40</td>
<td>30</td>
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Things learned while comparing e-govpubs to our ebook plan

• Most e-government publications accessed match our strongest programs on campus.

• While both e-govpubs and our ebook plan are indexed in Google Scholar, finding each seemed easier through the library catalog.
Things learned while comparing e-govpubs to our ebook plan

- Some areas not emphasized at SJSU: for example Military Science publications were accessed.

- Many e-govpubs were multidisciplinary in coverage: for example the Danvers Butchery Fire covered not only fire investigation results but also a history of the area.
Things learned while comparing e-govpubs to our ebook plan

• Several Spanish editions used in e-govpubs

• Areas not taught at SJSU accessed: e.g. dental science
How we derived our e-govpub statistics

• A quick review on SJSU’s statistics program for e-govpubs
• We developed an in-house program
• We currently do not use Google Analytics for this project
• We do use Google Analytics for web site analysis
Government Publications
Architecture

Client
Programming languages: COLDFUSION, HTML, CSS
Database: Microsoft SQL Database (MS SQL DB)

Front-end
- stat_govpub.htm
  parameters receive:
  - bibNum
  - vendor url

Back-end
- Extract data using cfhttp *
- Redirct to vendor website

Collects data:
- bibNum
- SuDoc #
- class
- title

Stores data:
- bibNum
- suDoc#
- class
- title

stat_govPub_(month).txt
(text file)

MS SQL DB Server
Stores data:
- bibNum
- suDoc#
- class
- title

* Extract data using cfhttp to initiate a one-way request from information from a remote server (the library catalog)
http://mill1.sjlibrary.org/search/.bibNum/.bibNum/1,1,1,B/marc~bibNum

Lyna Nguyen
Government Publications
Architecture

Programming languages: COLDFUSION, HTML, CSS
Database: Microsoft SQL Database (MS SQL DB)

Admin.

Front-end

stat_govPub.htm
- login/logoff
- view by month & year
- sort by: a-z, SuDocs, highest hits
- search by bibNum, SuDocs#, title

Back-end

Retrieves/Groups/Counts data:
- count
- bibNum
- suDoc #
- class
- title

MS SQL DB Server

Data from DB:
- bibNum
- suDoc#
- class
- title

Stores hit data:
- bibNum

read file
extract data
query data
connect to db
user submits
display to web browser

stat_govPub_(month).txt (text file)

Lyna Nguyen
Steps to Modifying the Bibliographic Record

- Identify the Bibliographic Record Number

  - TITLE: Earthquakes in Arkansas and vicinity 1699-2010
  
  - B4153005 – Bibliographic Record Number
Catalog view

**Author:** Dart, R. L. (Richard L.)

**Title:** Earthquakes in Arkansas and vicinity 1699-2010 [electronic resource] / compiled by Richard L. Dart and Scott M. Ausbrooks: prepared in cooperation with the Arkansas Geological Survey.


**Online access and related links:**

[Permanent Link for this Title](http://library.sjsu.edu/sjsu/stat_govpub.htm?id=41530056&path=http://purl.fdlp.gov/GPO/gpo9859)
Then add the bibliographic record number to the **prefix**

The prefix is: http://univ-intranet.sjlibrary.org/scripts/database_statistics/stat_govpub.htm?id=4153005
Identify the URL in the 856 field will have the URL address:
http://purl.fdlp.gov/GPO/gpo9859|xSJSU

Then add tracking information:

856 40
|uhttp://library.sjsu.edu/sjsu/stat_govpub.htm?id=41530056
&path=http://purl.fdlp.gov/GPO/gpo9859|xSJSU
How to Change the Database (using character based version)
Overall Database changes:

✓ Search records in the database using review files
  – Initial search strategies:
    • 856 has “GPO” (Bibliographic records search)
    • Since most of these records have a “purl”, records are grouped into one review file for batch changes.
Next step:

- Use a script/macro to copy the bibliographic record number for each record
- Add the prefix to the URL.
- Use a “do loop” in the script to perform batch changes
- Majority of records can be batch processed with the script/macro
Time required for initial run

- 37,000 bibliographic records / 50,000 – 856 fields
- Minimum of 2 weeks to run initial database change
- Many records had non standard URLs attached
On-going monthly maintenance

- Search for records to be changed after downloading monthly Marcive records
- Use script to do an automatic search
- Scan the records to check URLs
- Run a script/macro to batch change the records
On-going monthly maintenance and time consideration

- Total staff time: approximately 30 to 60 minutes
- Total Machine time: approximately 2 to 4 hours
Conclusions

• E-government publications have been a good support to the SJSU community
• Access by the library’s catalog continues to be an important factor
• Next generation catalog should increase use
Conclusions

• Library’s offering of more electronic resources may tie in with more e-govpubs use.
• New readers (iPads, e-book readers) are providing ease of use to patrons.

Thank you!
Susan Kendall

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