MAX PLANCK
digital library

(Auto-)Create User Interface

- Max Planck libraries and users share a large pool of information resources.
- Though there is central content, views and services are required to vary considerably.
- To integrate central content, RESTful services have proved to be useful.
- The challenge: …

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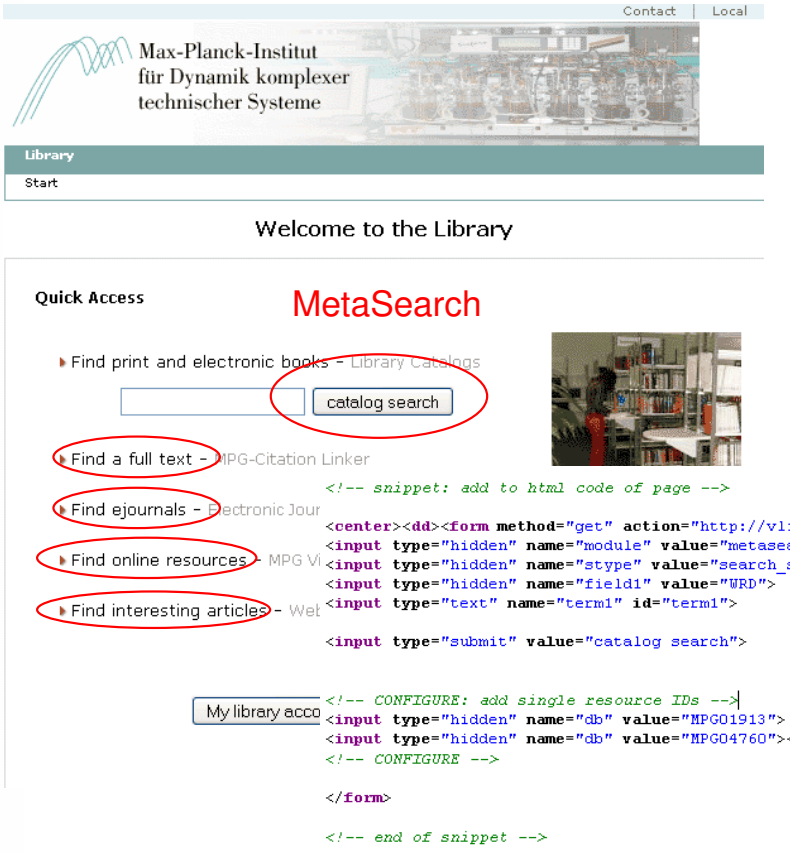
… provide the opportunity to create all sorts of user interfaces



/V?func=meta-1-check&mode=advanced&find_code_2=WRD&find_request_2=...&ckbox=MPG01913&ckbox=MPG04760

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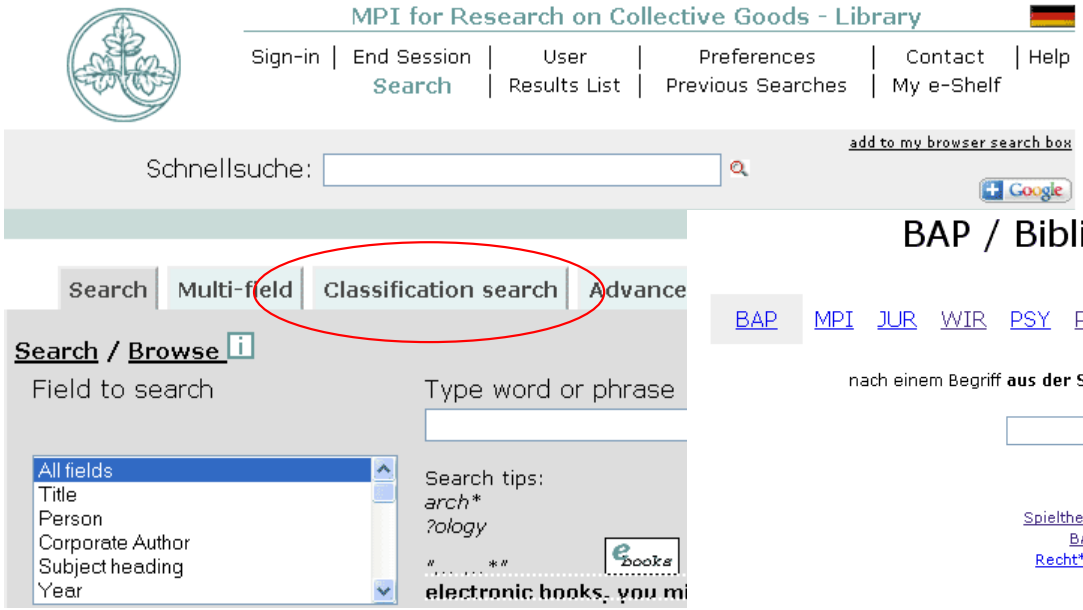
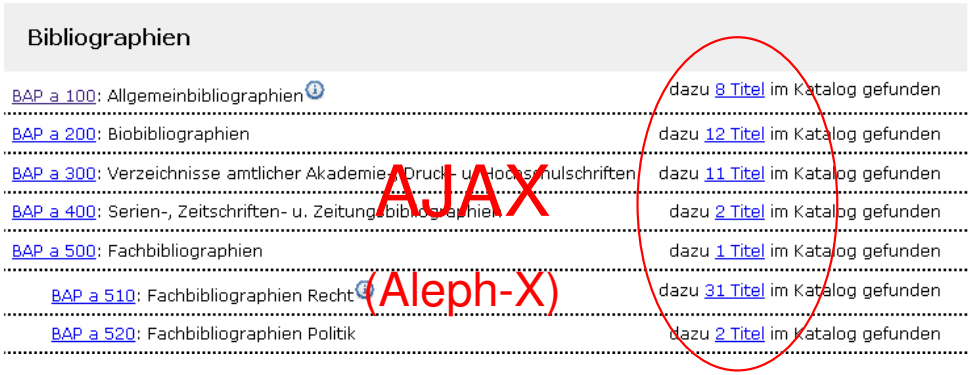
There is a need for custom interfaces (example: Aleph)



Aleph-X

(find, present)



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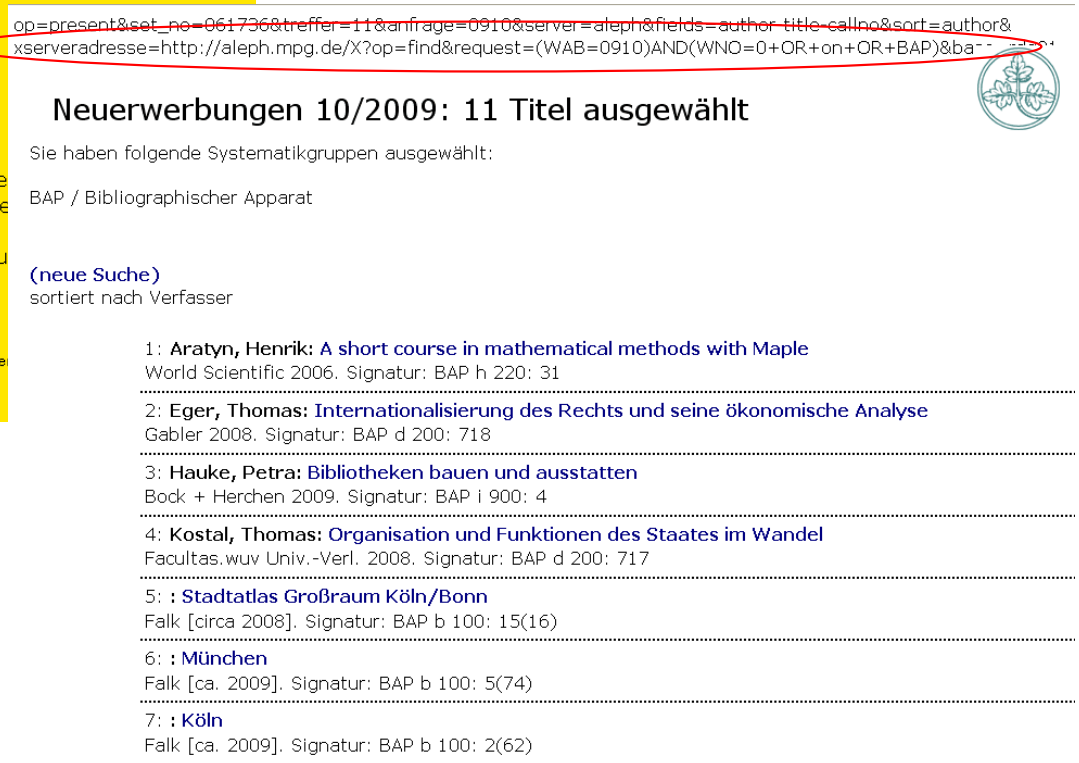
Aleph opac, display recent acquisitions



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Generate code: Deep links to directly address a specific view

Link creator

[requires JS 1.5, DOM 1.0]

Please select module and service type, and specify parameters if required:

metasearch [module] locate [stype]

[none]
predefined
category
locate
new
search_single

[title]

[publisher]

[any]

– Select – [type]

MPG01885 [resource_id]

create link

vLib deep link:

```
http://vlib.mpg.de/start?module=metasearch&stype=locate&resource_id=MPG01885
```

Note: URLs translate to MetaLib‘s deep linking syntax:

/V?func=meta1&INIT_TYPE=LocateList&F-IDN=MPG01885

3. Search in fields ... Search Tips

All Fields And GO

Author

2. Select Resources. Locate has found 1 databases in total. more... about RSS

Database Name	Database Type
MPI History Science	MPG Library Catalog

Turn Off Auto Refresh | top of page

Public opac view

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Provide static code snippet to be used on library web pages

MPG/SFX Citation Linker

The MPG/SFX link resolver offers a citation linker to request services for a known reference. This feat
page:

journal: yr: vol: iss: pg: check

The implementation can be achieved by adding following lines to the HTML code of a web page:

```
<form method="get" action="http://sfx.mpg.de/sfx_local">
<input type="hidden" name="url_ctx_fmt" value="info:ofi/fmt:kev:mtx:ctx"/>
<input type="hidden" name="ctx_ver" value="Z39.88-2004"/>
<input type="hidden" name="rft_val_fmt" value="info:ofi/fmt:kev:mtx:journal"/>
<input type="hidden" name="rfr_id" value="info:sid/source:db"/>
<input type="hidden" name="genre" value="article"/>

journal: <input type="text" name="rft.title"/>
yr: <input type="text" size="4" name="rft.date"/>
vol: <input type="text" size="4" name="rft.volume"/>
iss: <input type="text" size="4" name="rft.issue"/>
pg: <input type="text" size="4" name="rft.spage"/>

<input type="submit" value="check"/>
</form>
```

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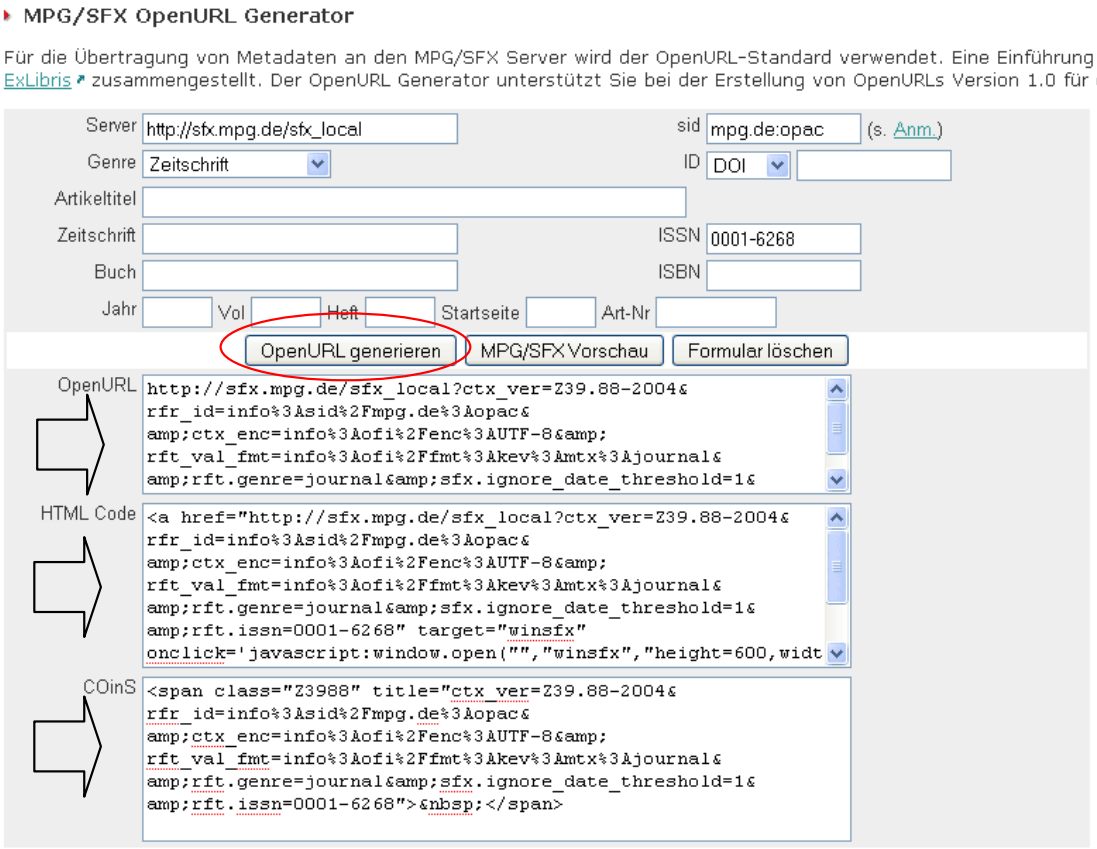
…or enable dynamic creation of code – generate OpenURL, html snippet, COinS



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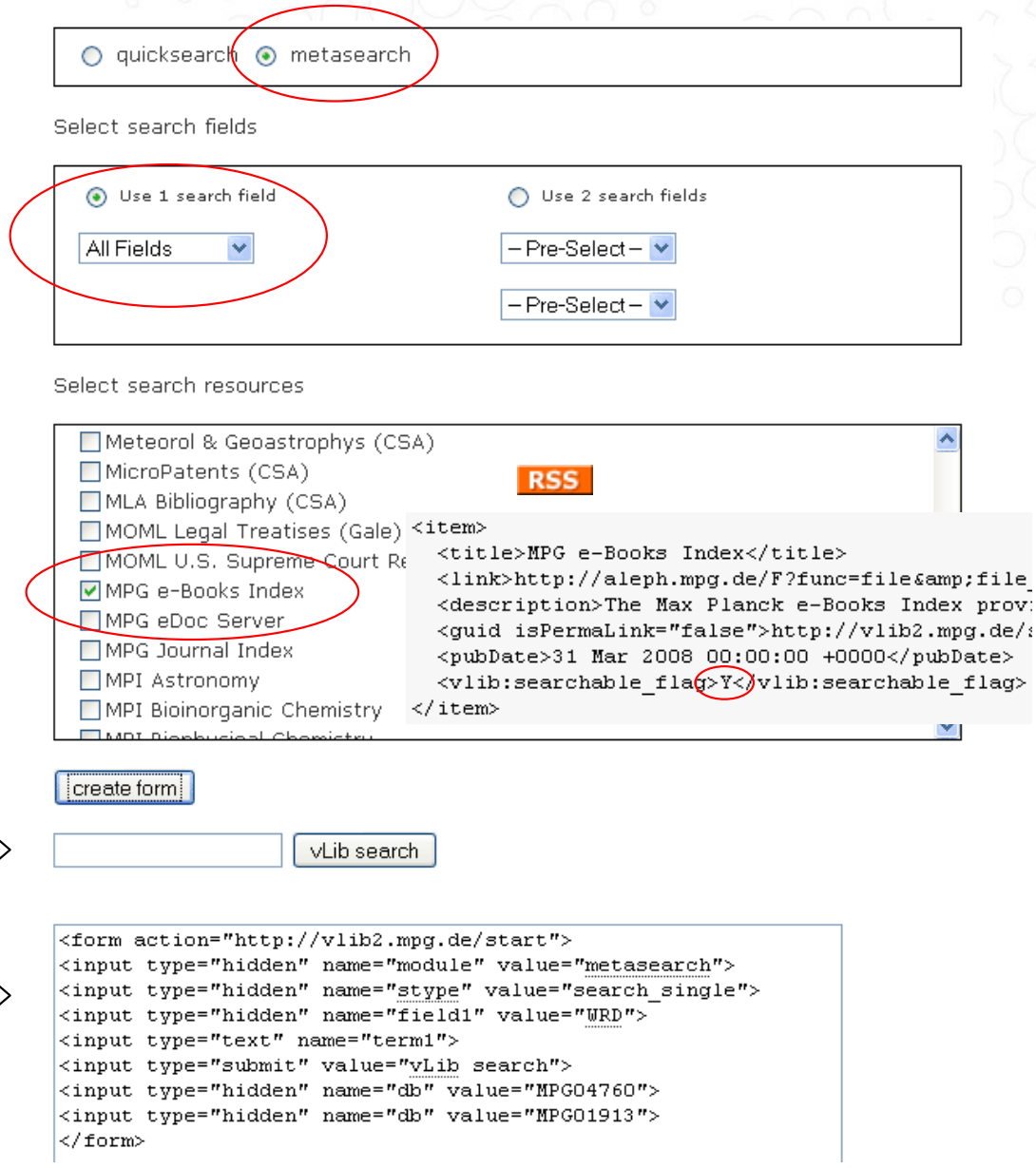
…or a search form

Select

- Search interface (QuickSearch, MetaSearch)
- Search fields to be used
- QuickSets/Databases to be searched

Get

- Preview of search form
- Code of search form



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Quick and dirty: send Javascript – create form to search local sets

Quick Javascript solution

All Fields | in | IT Resources | vLib search

IT Resources
Library Catalogs
OA Resources
MPG Library Catalog

Users will be searching Predefined Set address. The actual search will be carried environment.

To integrate the above search box, add the following code to your HTML:

```
<script language="Javascript"
        type="text/javascript"
        src="http://vlib2.mpg.de/aleph-cgi/create_search_box.cgi">
</script>
<noscript>
    Please activate Javascript in your browser
    to display vLib search box.
</noscript>
```

PLEASE NOTE: This is a quick and easy solution, however, it is ac
which may not comply with the security standards of your site.

```
document.write('<p><form action="http://vlib2.mpg.de/start" target="_blank">');
document.write('<input type="hidden" name="module" value="quicksearch">');
document.write('<input type="hidden" name="stype" value="search">');
document.write('<select name="field1">');
document.write('<option value="WRD">All Fields</option>');
document.write('<option value="WTI">Title</option>');
document.write('<option value="WSU">Keyword</option>');
document.write('<option value="WAU">Author</option>');
document.write('<option value="ISSN">ISSN</option>');
document.write('<option value="ISBN">ISBN</option>');
document.write('<option value="WYR">YEAR</option>');
document.write('</select>');
document.write(' <input type="text" name="term1">');
document.write(' in <select name="group_number">');
document.write('<option value="000007589">IT Resources</option>');
document.write('<option value="000007621">Library Catalogs</option>');
document.write('<option value="000007688">OA Resources</option>');
document.write('<option value="000007799">MPG Library Catalog</option>');
document.write('</select>');
document.write(' <input type="submit" value="vLib search"></form></p>');
```

Problems

- Supported by Browsers?
- XSS

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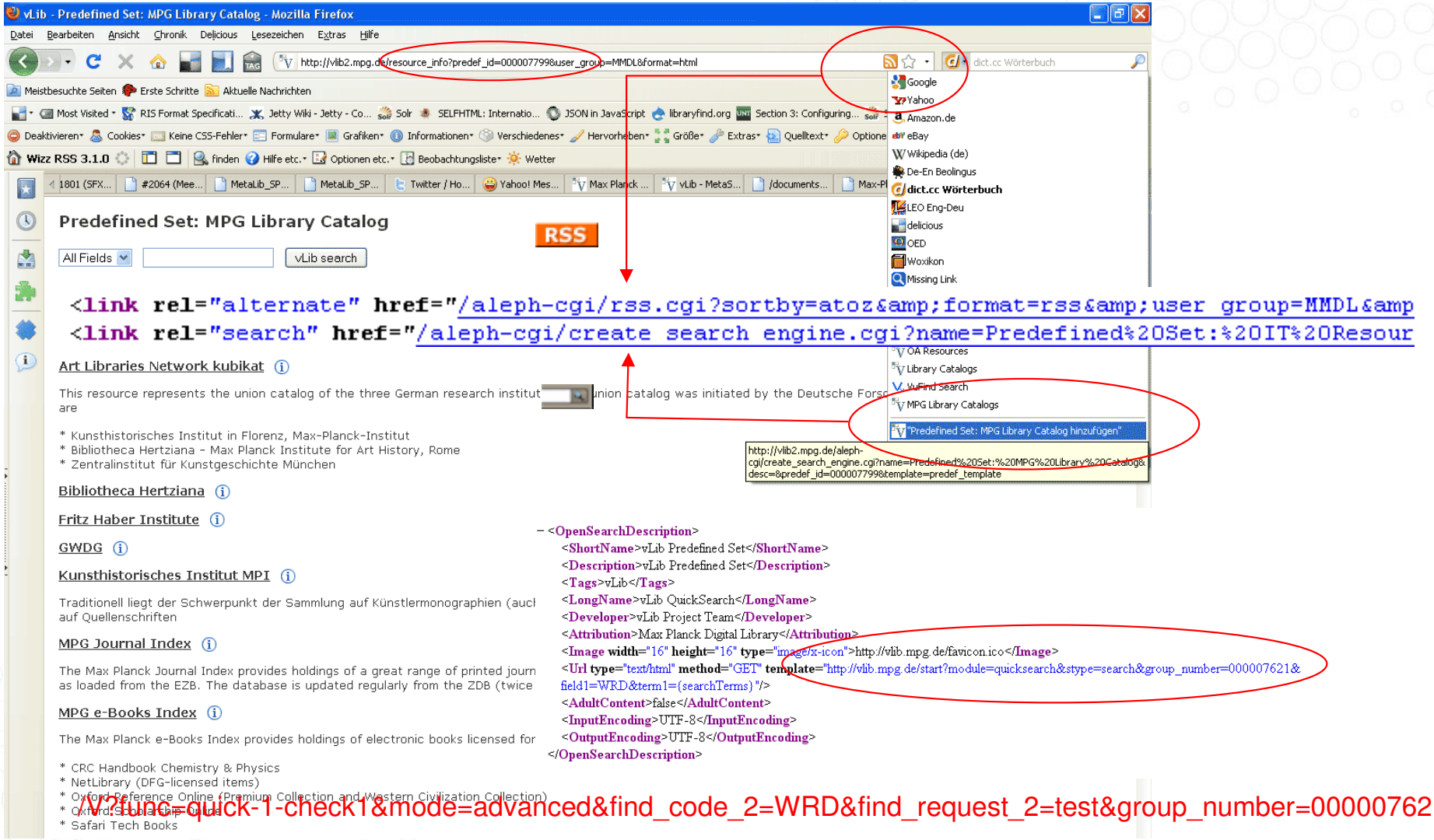
Simple html representation – enabling more interfaces for end users



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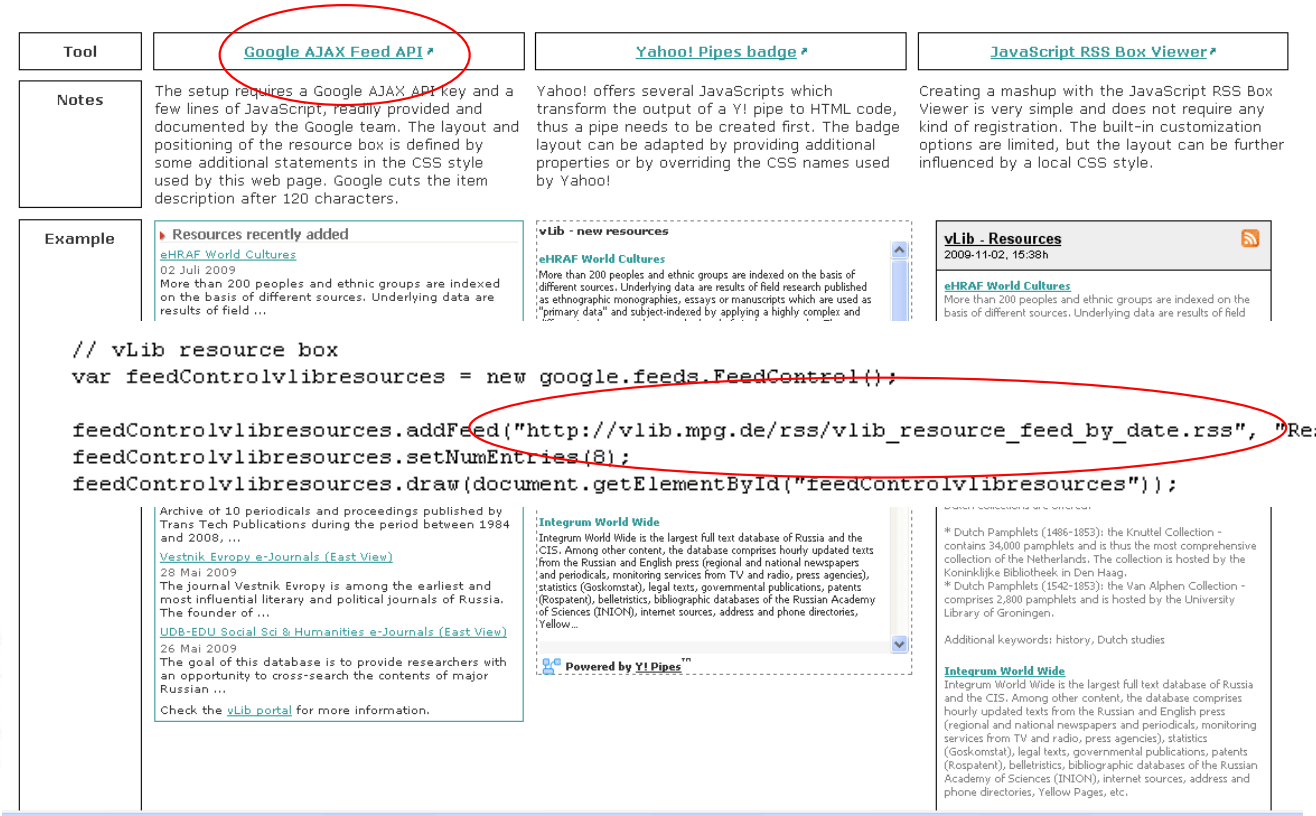
Use of external web services – web page instructing librarians



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Conclusion

- There is always some service URL involved
- which is supported, maintained, kept stable
- by the API/application in the background.

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Quotations from Librarians, Colleagues, well-known, …

- “The more API, the better“
- “URL is user interface“
- “[It‘s desirable that] everything has a URL“
- “Cool URLs don‘t change“

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http://vlib.mpg.de/aboutvlib.html#feature

Thank you for your attention

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