

RSS feeds and Mashups as supporting tools for the scientific information retrieval in academic libraries

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RSS feeds

- support both individual researchers and academic libraries
- provide the fastest way to deliver the newest information
- permit staying informed of the latest developments in the specific research area
- provide the shortest ways to full texts of the recent articles.

Aims of the Project:

- to present server based approaches in aggregating feeds in the academic library
- to share the experience in developing some of such environments with the help of modern technologies including mashups

Prevailing solutions used to collect the sites to follow RSS feeds:

- standalone feed readers as desktop tools
- Web-based feed aggregators such as Netvibes

Web-based aggregator Netvibes

Friedhelm Rump's Veterinary and Biomedical Pages (partly © by third parties)

General SCI BLOGS Jnl's TOC RSS Podcasts SCI RSS Vet News Swickis WIKIs Vet Library

ScienceDirect Publication: Cell

- Genetic Heterogeneity in Human Disease
- Preventing a Perm with TRPV3
- Ubiquitin Gets CARDed
- Ricin Toxin Hits a Retrograde Roadblock
- The Hidden Rhythms of the Dividing Cell
- How the Sequence of a Gene Can Tune Its Translation
- Inhibition of Retrograde Transport Protects Mice from Lethal Ricin Challenge

BioMed Central - Latest articles

- Sub-microscopic malaria cases and mixed malaria infection in a remote area of high malaria endemicity in Rattanakiri province, Cambodia: implication for malaria elimination
- Increase in isolation of extended spectrum beta lactamase producing multidrug resistant non typhoidal Salmonellae in Pakistan
- Evaluation of a low-cost, portable imaging system for early detection of oral cancer
- An HIV epidemic is ready to emerge in the Philippines
- Genome-wide profiling of gene expression in the epididymis of alpha-chlorohydrin-induced infertile rats using an oligonucleotide microarray
- How to improve medical education website design
- Repeal of the Pennsylvania motorcycle helmet law: reflections on the ethical and political dynamics of public health reform

News from ticTOCs

Ingenta feeds now displaying correctly in IE

We spoke and Ingenta listened. Ingenta RSS feeds are now displaying correctly for IE users so

Nature

Nuclear ambition
Nuclear ambition Nature 464, 1103 (2010). doi:10.1038/4641103a The US weapons labs need to...

The weight of evidence
The weight of evidence Nature 464, 1103 (2010). doi:10.1038/4641103b Better chemical-control...

Time for libel-law reform
Time for libel-law reform Nature 464, 1104 (2010). doi:10.1038/4641104a Simon Singh's recent...

Planetary science: Moon grab
Planetary science: Moon grab Nature 464, 1106 (2010). doi:10.1038/4641106a

Neuroscience: Relief from pain
Neuroscience: Relief from pain Nature 464, 1106 (2010). doi:10.1038/4641106b Neuron66,...

Biomaterials: Electronics on the brain
Biomaterials: Electronics on the brain Nature 464, 1106 (2010). doi:10.1038/4641106c

Cultural evolution: High fidelity
Cultural evolution: High fidelity Nature 464, 1106 (2010). doi:10.1038/4641106d

Science: Current Issue

This Week in Science
Battle of the Sperm | Eat Less, Bulking Up Water Oxidation |...

Editors' Choice
Biotechnology: Homeostatic Er Seeds of Spherulites | Molecu...

Random Samples
Fungus Slows Fir | In Memoriam

[Editorial] Common U.S. M
Authors: Philip Daro, William M

[News of the Week] Nucle
'Missing' Element 117 Hin
Last week in Physical Review Joint Institute for Nuclear...

[News of the Week] U.S. S
Pragmatists for New Bioe
President Barack Obama name commission—headed by two u

[News of the Week] Fusio
Improvements At Liverm
A new U.S. government audit Lawrence Livermore National..

Parasitology Research

- A retrospective investigation into risk factors of sarcoptic mange in dogs
- A novel detection method for Alaria alata mesocercariae in meat
- Heterogeneity in the sensitivity of microtubules of Giardia lamblia to

Implemented solutions to aggregate information from RSS feeds:

- topical search-results in Online Contents
- topical search-results in WorldCat
- OVID-Blogs
- new acquisitions in TiHo - OPAC (GBV)
- Tables of Contents of Journals (TOC)

Topical RSS-subscription in Online Contents (1)

- perform a topical search in the Online Contents
 - registered users can subscribe to the RSS feed (service of GBV , the Union Catalogue of seven German States)
- get informed of the latest acquisitions in the topic of interest

Topical RSS-subscription in Online Contents (2)

OLC - Online Contents - 2.3 - Mozilla Firefox

http://gso.gbv.de/xslt/DB=2.3/SET=1/TTL=1/LNG=EN/NXT

Search | **Results** | Advanced | My shelf | My lists | My profile | Help

search [and] [ALL] all words sort by year of publication

search [input type="text"/>] search [input type="checkbox"/> approximate

User id: TIHO HANNOVER | logout

search history | shortlist | **full title** Copyright © 2010 OCLC

results **Breeders Challenge a Python Squeeze** | order copy | subito request | analyse set | save/print info | add to my list
1 hits

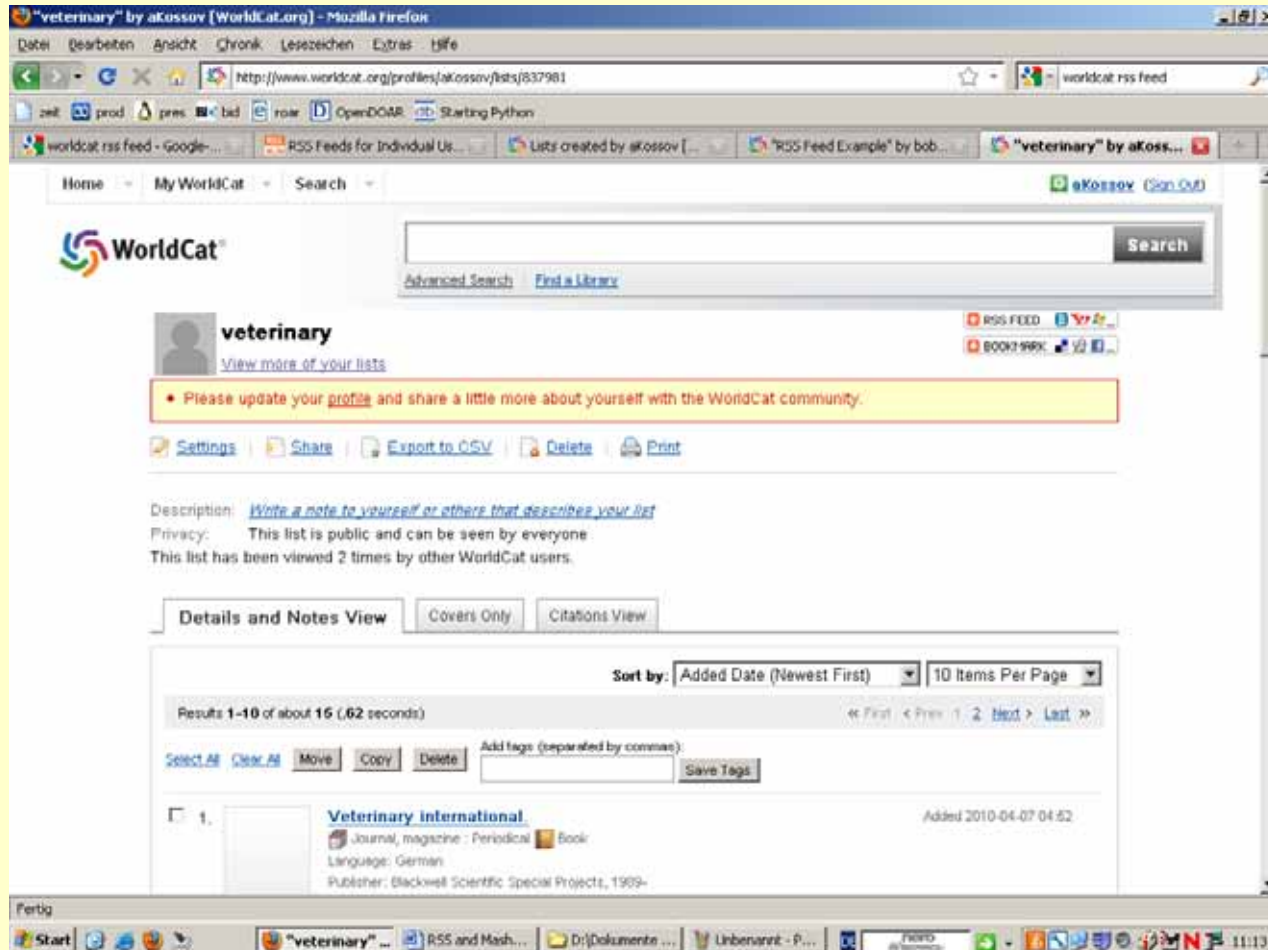
PPN: 1839178108
Title of article: Breeders Challenge a Python Squeeze
In: CQ weekly : congressional quarterly / Congressional Quarterly Incorporated. - Washington, DC : Congressional Quarterly Inc., ISSN 1521-5997, ZDB-ID 20958134, vol. 68.2010, 14, p. 805-806, insges. 1 p.

[Zitieren](#) [Über den Zitierlink können Sie diesen Titel als Lesezeichen ablegen oder weiterleiten]

Periodical: CQ weekly : congressional quarterly / Congressional Quarterly Incorporated. - Washington, DC : Congressional Quarterly Inc., 1998-
ISSN: 1521-5997, 0010-5910
ZDB-ID: 2095813-4

Fertig

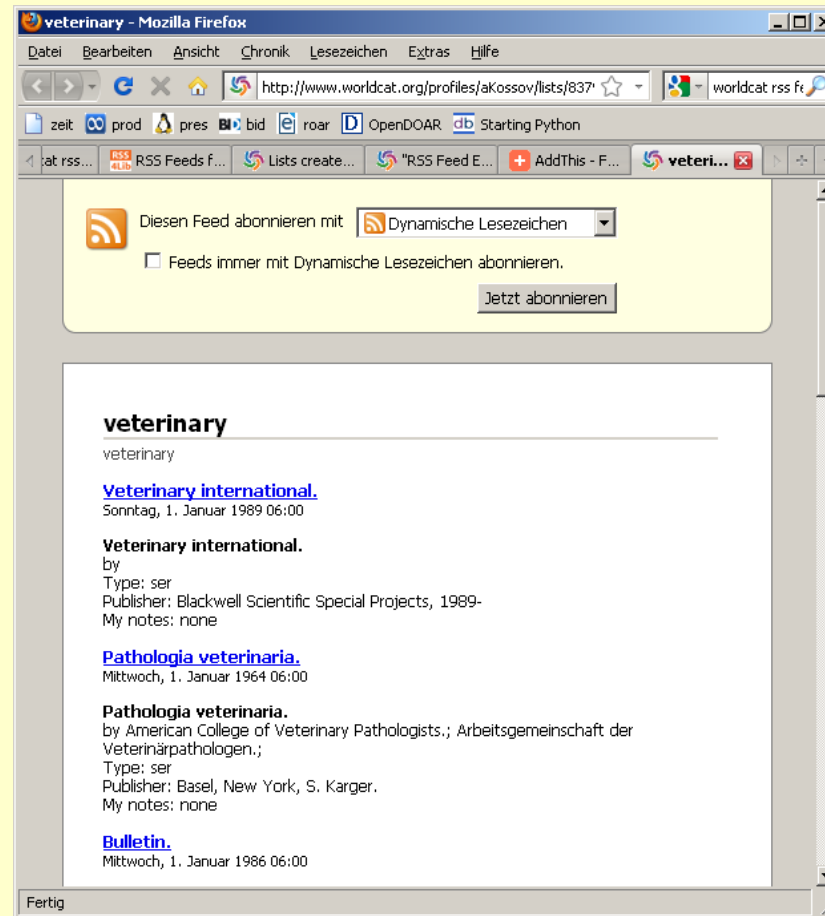
RSS feed of WorldCat: 1.- Generate the list “veterinary”,
the “RSS FEED” Button is seen



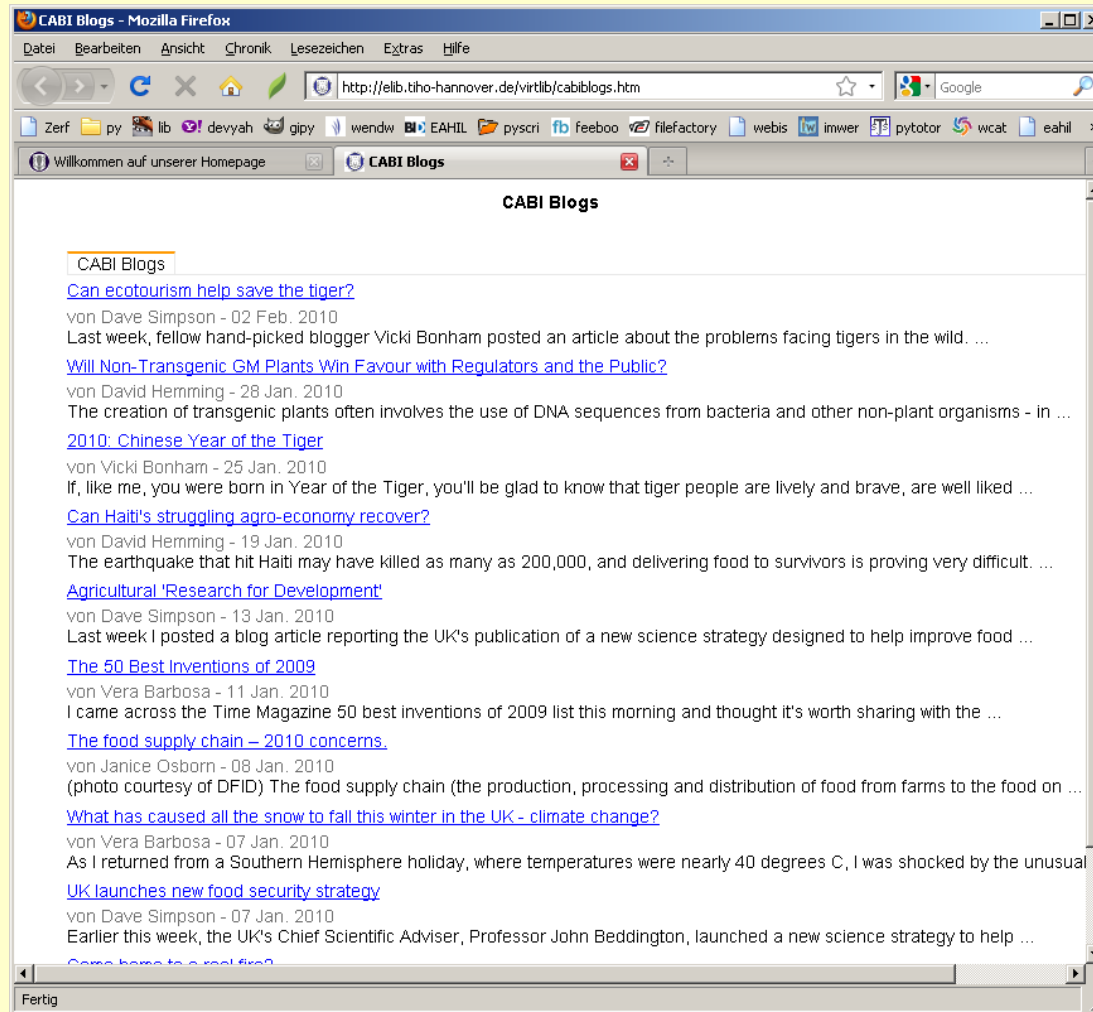
RSS feed of WorldCat: 2.- choose “view XML”.



RSS feed of WorldCat: 3.- subscribe to the feed



OVID Blogs as RSS feed (1)



OVID Blogs as RSS feed (2) - Link from RSS feed to full text

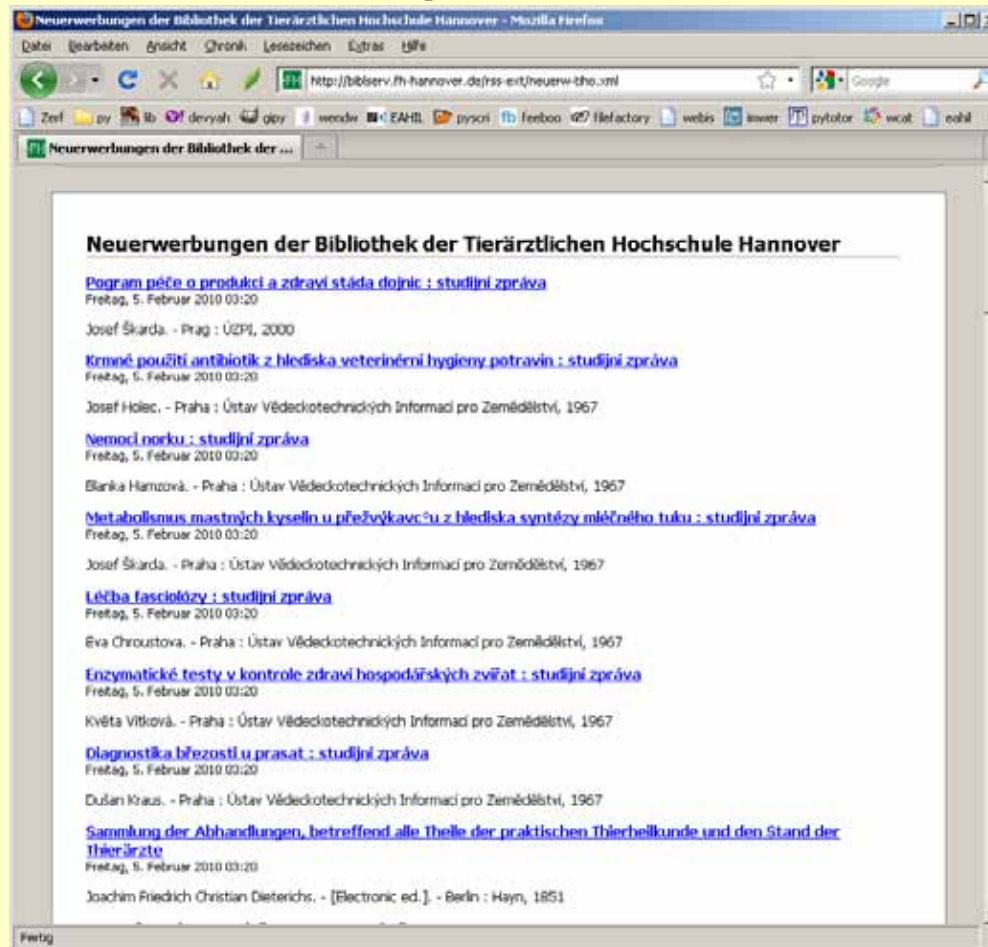
The screenshot shows a Mozilla Firefox browser window with the following details:

- Address Bar:** http://cabiblog.typepad.com/hand_picked/2010/01/2010-chinese-year-of-tt
- Page Title:** CABI Blogs: hand picked... and carefully sorted: 2010: Chinese Year of the Tiger
- Header:** "hand picked... and carefully sorted" with the CABI logo and www.cabi.org
- Navigation:** « Can Haiti's struggling agro-economy recover? | Main | Will Non-Transgenic GM Plants Win Favour with Regulators and the Public? »
- Date:** January 25, 2010
- Article Title:** 2010: Chinese Year of the Tiger
- Image:** A photograph of a tiger in a grassy field.
- Text:** "If, like me, you were born in Year of the Tiger, you'll be glad to know that tiger people are lively and brave, are well liked and always land on their feet. Unfortunately, for tigers in the wild the..."
- Left Sidebar:**
 - SUBSCRIBE:** Includes an RSS icon and "Subscribe in a reader".
 - CATEGORIES:** Agriculture, Animal Sciences, Current Affairs, Human Sciences, Leisure and Tourism, Plant Sciences, Science, Swine Flu, Television.
- Right Sidebar:**
 - SEARCH HAND PICKED...:** A search box with a "Search" button and links for "Create your own Custom Search Engine" and "Gadgets powered by Google".
 - Logo:** CABI logo with "written by CABI experts".
 - Button:** "Discover more..." with a globe icon.

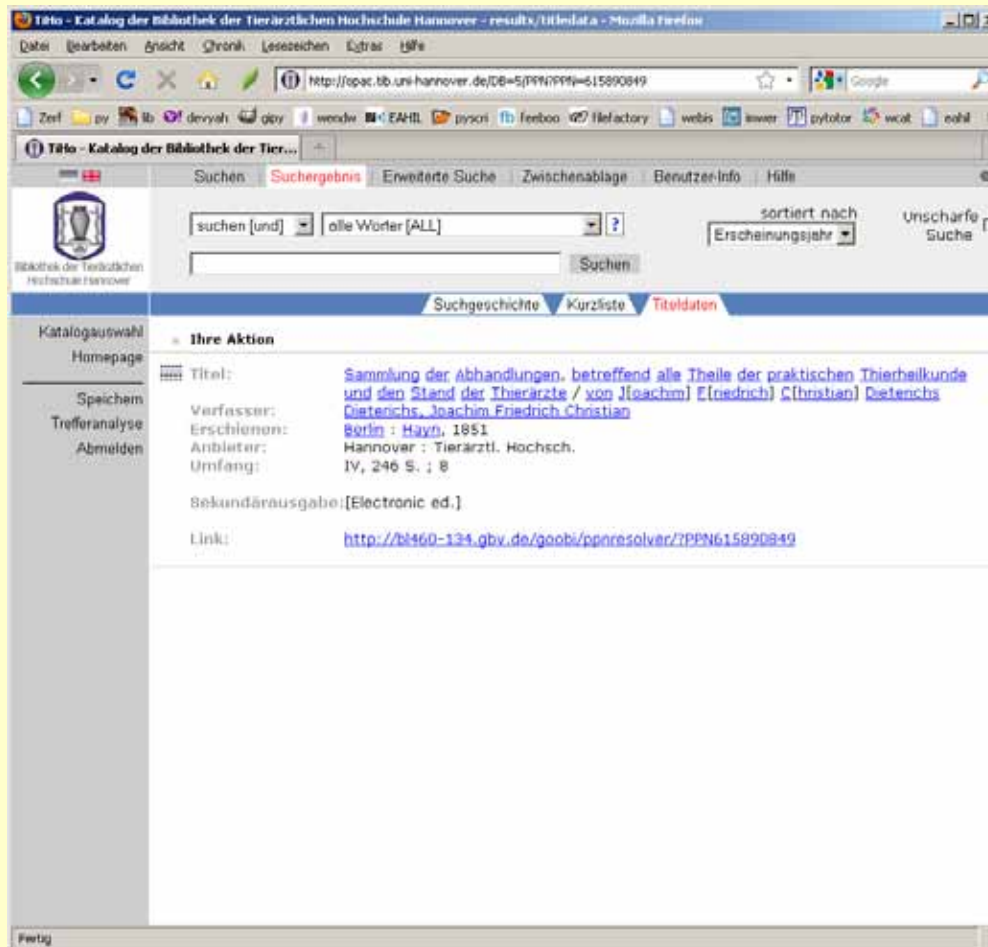
New acquisitions in OPAC

- Server-based RSS feed delivering a list of the library's new acquisitions
- The links lead directly to the catalogue items of the library OPAC

New acquisitions in OPAC. Server-based RSS feed delivering a list of the library's new acquisitions



New acquisitions in OPAC. The links lead directly to the catalogue items



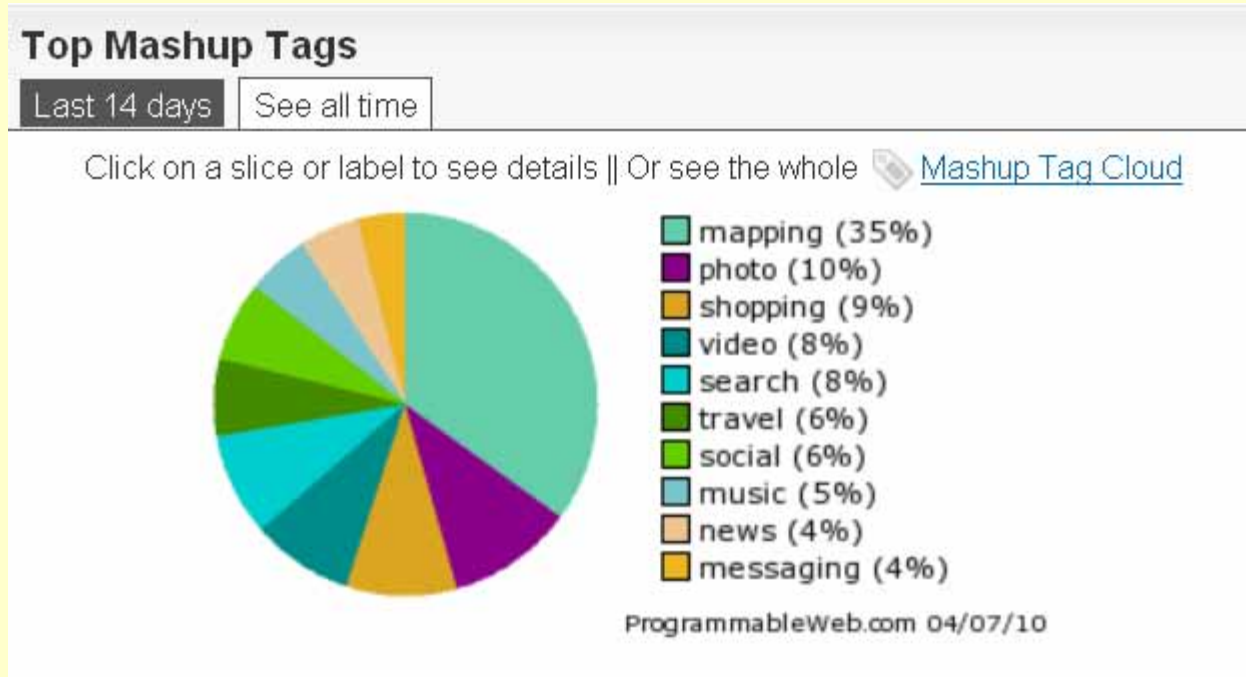
Mashup technology

- A mashup combines the information from several independent sites
- One site provides a corresponding API (Application Programming Interface) to make the mashup functional.

RSS Mashup

- Mashups can aggregate different feeds on a broad spectrum of subjects.
- We provided access to journals' tables of contents

RSS Feed Mashups (database of ProgrammableWeb)



Google AJAX Feed API

- Google AJAX Feed API

<http://code.google.com/apis/ajaxfeeds/> permits a rapid development of feed mashups combining the API and JavaScript approaches

- Register at Google AJAX Feed API to get a key.
- The key is included in the mashup JavaScript source.

Mashup layout

- The aggregation was realised in tabbed layout.
- The feeds were organized alphabetically.
- 20 entries in a feed is a reasonable compromise between the frequencies with which the new entries in a certain feed appear and the length of the page.

RSS Feed Mashups of TOC

- The links in the feed mashups lead directly to the articles of the journals
- The availability of full texts is defined by the licence conditions

RSS Feed Mashups of TOC

Google AJAX Feed API - veterinary and biomedical journal RSS Feeds Veterinary University Hanover - Library

Alphabetical list of clickable links
of directly accessible journal feeds.

This list does not allow for keyword searching across the journals.
If you want to perform such searches, subscribe to the relevant RSS-feeds
(for example from this [list](#) which also contains not directly accessible
journal feeds) and choose a feed reader which offers this function.

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

[Acad. Emerg. Medicine](#) | [Academic Medicine](#) | [ACSMs Health & Fitness J.](#) | [Acta Haematologica](#) | [Accounts of Chemical Res](#)
[Veterinaria Scandinavica](#) | [Addictive Disorders & Their Treatment](#) | [Advances in Anatomic Pathology](#) | [Adv. Neonatal Care](#) | [A](#)
[Biology](#) | [Alzheimer Disease and Associated Disorders](#) | [Am. Cancer J.](#) | [Am. J. Clinical Oncology](#) | [Am. J. Dermatopathology](#)
[Medicine & Rehabilitation](#) | [Am. J. Medical Sciences](#) | [Am. J. Therapeutics](#) | [Analyst](#) | [Analyt. Chem. - Research Articles](#) | [Anc](#)
[and Features](#) | [Ann. Clin. Microbiol. Antimicrobials](#) | [Ann. Gen. Hospital Psychiatry](#) | [Ann. Nutrition and Metabolism](#) | [Ann. Rhi](#)
[Biochemistry](#) | [Ann. Review Biomedical Engineering](#) | [Ann. Review Biophysics](#) | [Annual Review Cell and Developmental Biolog](#)
[Evolution, and Systematics](#) | [Annual Review Entomology](#) | [Annual Review Genetics](#) | [Annual Review Genomics and Human Ge](#)
[Medicine](#) | [Annual Review Microbiology](#) | [Annual Review Neuroscience](#) | [Annual Review Nutrition](#) | [Annual Review Pathology:](#)
[Toxicology](#) | [Annual Review Physiology](#) | [Annual Review Psychology](#) | [Annual Review Public Health](#) | [Anti-Cancer Drugs](#) | [Art](#)
[Issue](#) | [Arteriosclerosis, Thrombosis, and Vascular Biology First](#) | [Arthritis Research & Therapy](#) | [ASA Refresher Courses in Ar](#)
[Zealand Health Policy](#)

[Utility of Diagnostic and Prognostic Markers in Urothelial Carcinoma of the Bladder.](#)

Page: 67DOI: 10.1097/PAP.0b013e318199f89eAuthors: Coleman, Joshua F. MD; Hansel, Donna E. MD, PhD

[Pathologic Features and Biologic Importance of Colorectal Serrated Polyps.](#)

Page: 79DOI: 10.1097/PAP.0b013e31819923b3Authors: Vakiani, Efsevia MD, PhD *; Yantiss, Rhonda K. MD +

[Carcinomas of the Upper Aerodigestive Tract With Rearrangement of the Nuclear Protein of the Testis \(NUT\) Gene \(NUT Midline](#)

Page: 92DOI: 10.1097/PAP.0b013e31819923e4Authors: Stelow, Edward B. MD *; French, Christopher A. MD +

[Seeking Beyond Rejection: An Update on the Differential Diagnosis and a Practical Approach to Liver Allograft Biopsy Interpreta](#)

Page: 97DOI: 10.1097/PAP.0b013e31819946aaAuthors: Gao, Zu-hua MD, PhD, FRCPC

[Calretinin: Diagnostic Utility in the Female Genital Tract.](#)

Page: 118DOI: 10.1097/PAP.0b013e31819923ceAuthors: Portugal, Raquel MD; Oliva, Esther MD

[Glypican-3: A Novel Diagnostic Marker for Hepatocellular Carcinoma and More.](#)

Conclusion

- Server based technologies in aggregating feeds in the academic library are important and efficient supporting tools for scientific information retrieval
- RSS feeds and mashups provide means to rapidly access newest information