



# EAHIL2010

14th-18th June ◆ Lisboa, Portugal

DISCOVERING NEW SEAS OF KNOWLEDGE

Technologies, environments and users in the future of health libraries

## MILK

Medical Information Library and Knowledge

“Discovery of scientific information on health through social labeling: Connotea and CiteUlike”



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DE SALAMANCA

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\*

17 JUNE 2010

11.15-13.00 Parallel Sessions D : **Auditorium**  
Theme: **Emerging Technologies and Tools**



Medical Information Library & Knowledge: **MILK** or discovery of scientific information on health through social labeling: Connotea and CiteUlike

# agenda

1. Introduction
2. Milk Project: development stages
3. Integration of the platform Citeulike MILK
4. Conclusions



MILK

Medical Information Library and Knowledge

Open Medical Library



# Context





# Medical Information Library & Knowledge: MILK



The **starting point** of this virtual project has its origin in the Summer School of the University of Salamanca "**Virtual Library of Health Sciences**", which will soon celebrate its 5th edition, in which participated as speakers members of this collaborative platform.



# MILK

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## Milk Project: development stages

- The project involves collaboration between **different libraries and research centers from different parts of Spain and Portugal** that share a **common interest**: to have a cooperative information system.
- The **project involves** the Library of Health Sciences at the Universities of Salamanca and the Autonomous University of Barcelona, Hospital de Torrevieja (Alicante) and the Higher Institute of Applied Psychology (ISPA) in Lisbon, Portugal.





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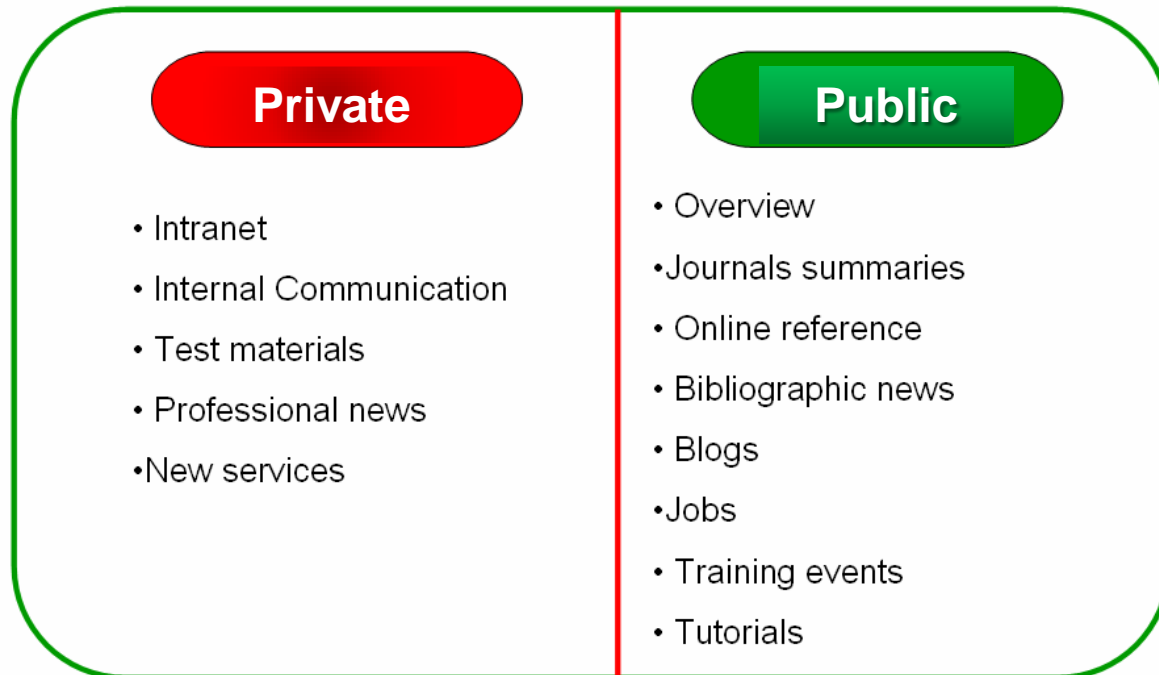
- The **first phase** of the project was the creation of a common information portal called "**Open Medical Library**", on information service cooperative 2.0 that uses a technology platform for free: **Netvibes**.

[www.netvibes.com](http://www.netvibes.com)

- Netvibes** brings together favourite **widgets**, websites, blogs, email accounts, **social networks**, search engines, instant messaging, **RSS feeds**, photos, videos, podcasts...
- Despite this complexity of domestic technological network, one of the basic features of **Netvibes** is the rapid development of content and **ease of use**.



**Netvibes** application was developed by Tariq Krim in 2005 and is one of the pioneers of the tools offered by Web 2.0 style **custom desktops** iGoogle provided, although it differs from other applications and has a **private** and a **public part**.





# Netvibes



## Key features of **Netvibes** are:

- **Quick and simple.** Starting in minutes.
- **Compatible.** The UWA widgets are compatible with all major widget platforms (iGoogle, Windows Vista, Apple Dashboard, Live.com, iPhone, Opera, blogs, MySpace, etc.).
- **Simple and elegant.** CSS and JavaScript templates to quickly create beautiful environments.
- **Adaptable.** Platform supporting a large number of technologies.





# Visually Netvibes



**Visually Netvibes** is organized into **tabs** or **flaps**. Each flap is an aggregator of various modules and widgets easily displaced, thanks to the AJAX language, which allows the user to **organize and design the modules of your choice**.

The screenshot displays the Visually Netvibes interface. At the top, there is a navigation bar with options: 'Añadir contenido', 'Páginas', 'Perfil', 'Ajustes', 'Ayuda', and 'Cerrar sesión'. Below this is a large widget titled 'MILK' (Medical Information Library and Knowledge) with the subtitle 'Open Medical Library'. The widget features an image of four glass bottles containing colored liquids (blue, orange, green, red). Below the widget is a horizontal menu with various tabs: 'Presentación', 'Buscadores', 'Sumarios', 'Colecciones', 'Blogs', 'Novedades', 'Empleo', 'Cursos', 'Guías y tutoriales', 'Monográficos', 'Universos Netvibes', 'Noticias', 'Videos/Podcasts', 'Acceso abierto', 'Editor', 'Software Libre', 'Listas de correo', 'Medicina 2.0', 'Web social', and 'Nueva pestaña'. The 'Acceso Abierto' tab is currently selected, showing a list of open access resources. The first resource is 'Directory of open access journals - Health Sciences' with the URL 'http://www.doaj.org/doi?func=subject&cpid=20'. The second resource is 'e-ciencia. Buscador de archivos abiertos' with the URL 'http://www.madrinasd.org/informacionIDI/e-ciencia/e-ciencia.Buscador.de.archivos.abiertos'.



# Netvibes



An area known as the **Health Sciences** is particularly sensitive to date information and quality, so an application like **Netvibes** is a key competitive edge in **obtaining results quickly and easily**, requiring by the other hand, a minimum financial investment of time and professional dedication.

## **Netvibes** as a **multi-tool**:

- **Management**
- **Compilation**
- **Dissemination of information.**



# MILK

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The **second phase** of the project was to have a shared database to facilitate us to incorporate information resources easily by all members of the community **MILK**.

- So we decided to continue using 2.0 applications such as **Connotea** and **CiteuLike**.



- Which on the one hand didn't represent a financial investment from our part, and favoured **integration with the platform developed in Netvibes**.



# Social Reference Managers **citeulike**

**CiteuLike**, Connotea, BibSonomy, managers 2collab are "social reference managers".

The fundamental **value of these resources** is the ability to **collect information automatically and this is shared by other users** with **common interests**.

The basic principle of these tools is the **social tagging** or **folksonomy**, literally "the classification drawn up by the people".



After the analysis Milk considered that the tool that best matched our needs and goals, their **versatility of information management** and their many features was **CiteuLike** .



# citeulike

**CiteuLike** is a system open to any person subject to **registration, which allows to preserve, manage and share references online scientific and technical documents.**

One of the features **CiteuLike** offers is that, **collects all the metadata of the document.**



[www.citeulike.org](http://www.citeulike.org)



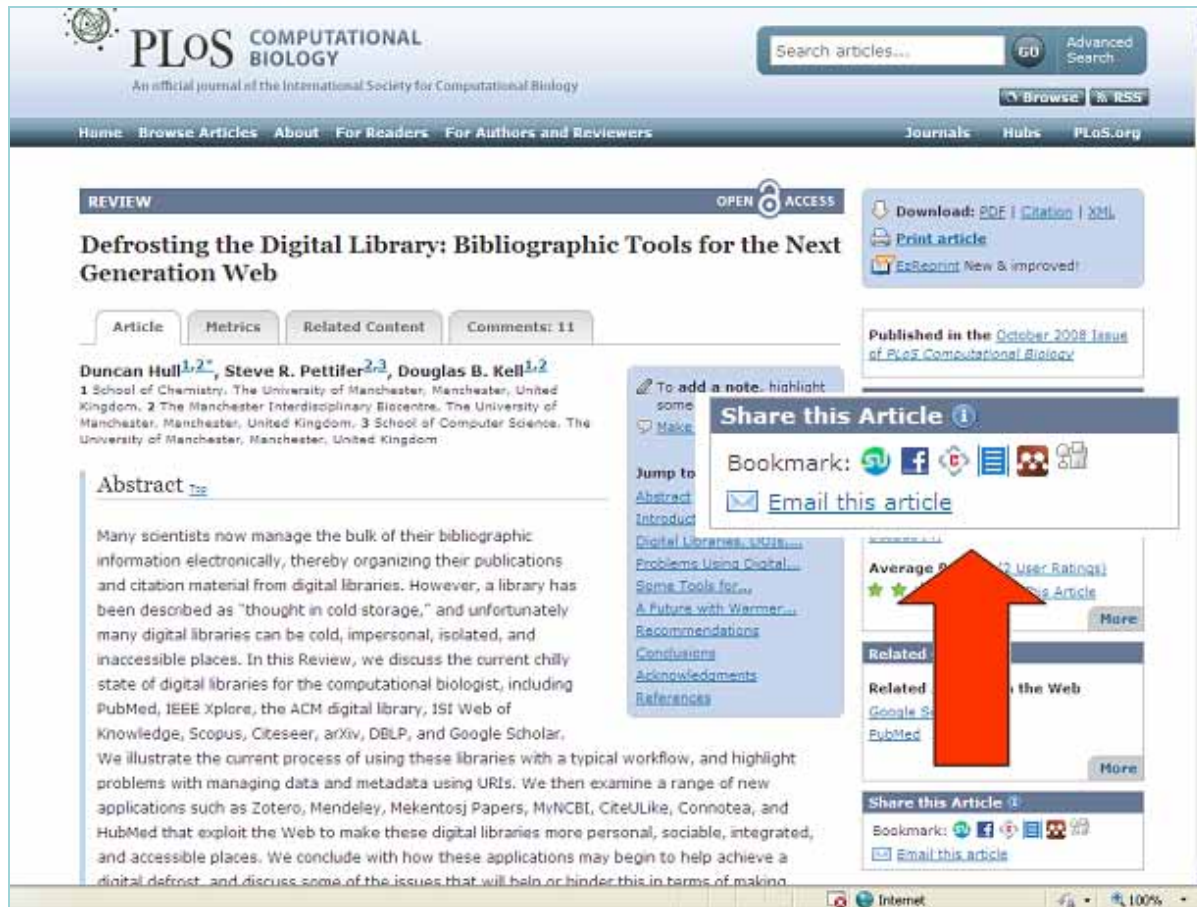
**citeulike** 

References can also be captured and integrated from **accepted sources**. **CiteULike** offers a wide range of publishers and content distributors, and commercial open:

ACL Anthology, AIP Scitation, **Amazon**, American Chem. Soc. Publications, American Geophysical Union, American Meteorological Society Journals, American Physical Society, Annual Reviews, Anthrosource, Association for Computing Machinery (ACM) portal, BMJ, **BioMed Central**, BiomedExperts, **Blackwell Synergy**, **Cambridge University Press**, Cases Network, Cell, Chicago Journals, **CiteSeer**, CiteSeerX Beta, Cryptology ePrint Archive, DBLP, Daum, EBI CiteXplore, EGU Journals, EdITLib, Education Resources Information Center, Elsevier, F1000, First Monday, HighWire, IEEE Digital Library, IEEE Explore, IOS Press, IUCr, IWA Publishing Online, Ingenta, **IngentaConnect**, IoP Electronic Journals, JSTAGE, **JSTOR**, JStatSoft, Journal of Machine Learning Research, Journal of Visualized Experiment, LibraryThing, MIT Press Journals, Mary Ann Liebert, MathSciNet, MetaPress, NASA Astrophysics Data System, National Bureau of Economic Research, Nature, Nature Precedings, Open Repository, Optical Society of America, **PLoS Biology**, Pion, Primary Care Respiratory Journal, Project MUSE, PsyCONTENT, **PubMed**, PubMed Central, Royal Society, Royal Society of Chemistry, Science, **ScienceDirect**, **Scopus**, Social Science Research Network, SpringerLink, Usenix, Wiley InterScience, WorldCat, WormBase, **arXiv.org** e-Print archive, **crossref-doi**, informaworld, novo|seek, plos



# citeulike



The screenshot shows the PLoS Computational Biology website. The article title is "Defrosting the Digital Library: Bibliographic Tools for the Next Generation Web". The authors are Duncan Hull, Steve R. Pettifer, and Douglas B. Kell. The abstract discusses the challenges of digital libraries and the use of tools like Zotero and Mendeley. A CiteULike bookmark overlay is visible, showing the article title and author information. A red arrow points to the "Share this Article" button in the bookmark overlay.

**PLOS COMPUTATIONAL BIOLOGY**  
An official journal of the International Society for Computational Biology

Search articles... GO Advanced Search

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REVIEW OPEN ACCESS

**Defrosting the Digital Library: Bibliographic Tools for the Next Generation Web**

Article Metrics Related Content Comments: 11

Duncan Hull<sup>1,2\*</sup>, Steve R. Pettifer<sup>2,3</sup>, Douglas B. Kell<sup>1,2</sup>

**Abstract**

Many scientists now manage the bulk of their bibliographic information electronically, thereby organizing their publications and citation material from digital libraries. However, a library has been described as "thought in cold storage," and unfortunately many digital libraries can be cold, impersonal, isolated, and inaccessible places. In this Review, we discuss the current chilly state of digital libraries for the computational biologist, including PubMed, IEEE Xplore, the ACM digital library, ISI Web of Knowledge, Scopus, CiteSeer, arXiv, DBLP, and Google Scholar. We illustrate the current process of using these libraries with a typical workflow, and highlight problems with managing data and metadata using URIs. We then examine a range of new applications such as Zotero, Mendeley, Mektentosj Papers, MyNCBI, CiteULike, Connotea, and PubMed that exploit the Web to make these digital libraries more personal, sociable, integrated, and accessible places. We conclude with how these applications may begin to help achieve a digital defrost, and discuss some of the issues that will help or hinder this in terms of making

To add a note, highlight some text, or make a bookmark

Jump to: Abstract, Introduction, Digital Libraries, NCBI, Problems Using Digital Libraries, Some Tools for..., A Future with Warmer..., Recommendations, Conclusions, Acknowledgments, References

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Average Rating: [User Ratings]

Related Articles

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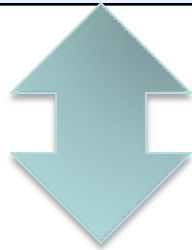
Email this article



MILK  
**CiteuLike** bookmarks from **PLOS**



# Features citeulike

CiteULike	MyCiteULike		
Home	Browse Groups	Help/FAQ	
Citegeist	Search Groups	Discussion	
Everyone's Library	Journals	Contact Us	
Recommend a Friend	Research Fields <sup>NEW</sup>		
Browser Button			



MyCiteULike			
Portal	Post URL	Profile	Groups
Library	Post manually	Publications	Connections
Unread	Export	Blog	Recommendations <sup>NEW</sup>
Search 	Import	Menu Settings	Neighbours
Authors	Delicious Sync  <sup>NEW</sup>		Watchlist
Tags			

- **CiteuLike**, like Netvibes, has a public space (**CiteULike**) and a **private citeulike MyCiteULike** called with different options and functions, and absolute permeability between a profile and the other.
- Another simple way to add a record is through the **URL, ISBN, DOI or PubMed, PMID number**.
- In turn export opportunities and import from **RIS** format references.





# Features citeulike

The screenshot shows a CiteULike record page for the article "Social ranking: uncovering relevant content using tag-based recommender systems" by Valentina Zanardi and Licia Capra. The page includes a sidebar with "ANNUAL REVIEWS INSIGHTFUL RESEARCH STARTS HERE", a list of journals, and a list of articles. The main content area shows the article title, authors, citation format (MLA), and abstract. A callout box labeled "Tags" points to the "Tags" link above the article title. A callout box labeled "Actions" points to the "Delete Edit Copy Duplicate Posts Blog Share Export Find Similar" menu. A callout box labeled "Full Text" points to the "View FullText article" link. A callout box labeled "Publication own Priority Attach PDF" points to the "This is not one of your publications" and "Your priority to read this article" options.

## Features of a record on CiteuLike



# Actions citeulike

**SHARE:** This application allows you to forward a reference to any **user** that follows us, which we follow, or a group, and even spread through **Twitter**.



**FOLLOW or WATCHLISTS:** In this way, once incorporated into the document will be visible to all, especially those from our **group whom we follow** through.



**NEIGHBOURS:** Within those who use labels, the majority also uses us. It thereby **creates a shared space** where we can follow what they are reading researchers closest to us.



**CiteGeist:** These are some of the **popular articles** posted to **CiteuLike** in the last 7 days.

**CiteGeist**  
Popular posts in the last 7 days




**citeulike** 



## 1. Interaction and **Netvibes** CiteULike

**CiteULike** RSS feeds. You can easily incorporate **Netvibes** modules: subscribe to our new information, about specific labels, a user or user group.

CiteULike **MyCiteULike** [Search](#) Logged in as [medicalinformationlibrary](#) [Log Out](#)

**My library 974 articles**  [Tags](#)

[Search](#) [Watch](#) [Export](#) [Sort](#) [Hide Details](#)

- Folksonomies and clustering in the collaborative system CiteULike**  
*Journal of Physics A: Mathematical and Theoretical*, Vol. 41, No. 22. (2008), 224016.  
by [Andrea Capocci](#), [Guido Caldarelli](#)  
posted to [referenciasm](#) [gestores](#) [folksonomias](#) [citeulike](#) by [medicalinformationlibrary](#) on 2010-05-02 02:19:00 ★★★★★/  
★★★★★ [along with 21 people and 3 groups](#)  
■ [Abstract](#)
- Defrosting the Digital Library: Bibliographic Tools for the Next Generation Web**  
*PLoS Comput Biol*, Vol. 4, No. 10. (31 October 2008), e1000204.  
by [Duncan Hull](#), [Steve R. Pettifer](#), [Douglas B. Kell](#)  
posted to [zotero](#) [referencias](#) [mendeley](#) [gestores](#) [citeulike](#) [citas](#) by [medicalinformationlibrary](#) on 2010-05-02 01:32:57  
★★★★★/★★★★★ [along with 273 people and 25 groups](#)  
■ [Abstract](#)



## 2. Netvibes CiteuLike integration through widgets.

**A widget is a small** APPLICATION or module that performs a specific function, usually visual, within other applications or operating systems.

There are developing at present, **two widgets for Netvibes CiteuLike.**

- a. Search in **CiteuLike**, which allows querying on CiteULike.
- b. **CiteuLike** compiling the latest additions to the system overall.



# Widget Search citeulike at MILK

+ Añadir contenido Dashboards milmedicalinformationlibrary Ajustes Cerrar sesión



## MILK

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Presentación Buscadores Editar Sumarios (863) Colecciones Blogs (295) Novedades Empleo Cursos Guías y tutoriales Monográficos

Noticias Vídeos/Podcasts (211) Acceso abierto Software Libre Listas de correo Universos Netvibes Miscelánea (61) Medicina 2.0 CiteUlike (52)

Nueva pestaña

### Search CiteUlike

user:  tag:

Papers: > 2.3 million

[Interpreting expression data with metabolic flux models predicting Mycobacterium tuberculosis mycolic acid production](#)  
by C Collin, A Brandes, J Zucker, D Lun, B Weiner, M Farhat, T Cheng, B Moody, M Murray, J Galagan  
tags bacteria fba gene expression by schwartzjmc  
DOI: 10.1371/journal.pcbi.1000489

[Performance Optimization of Throttled Time-Warp Simulation](#)  
by S Tay, Y Teo  
tags pdes speculation time-warp by fierykylm

[The Ghost of Embodiment - Is the Body a Natural Cultural Entity?](#)

### NovoSeek

Search for biomedical literature

**IMPORTANT - we are about to delete this widgetbox widget. Please replace it with one of the following:**

- [Widget for iGoogle](#)
- [Widget for Mac Dashboard](#)
- [Link to novoseek from your blog](#)

### Trip database



Buscadores

**Motores de búsqueda especializados en Ciencias de la Salud**

Listo pero con errores en la página.

Internet 100%



# citeulike

at MILK



mimedicalinformationlibrary's Public Page (1462) - Windows Internet Explorer

http://www.netvibes.com/mimedicalinformationlibrary#CiteULike

Archivo Edición Ver Favoritos Herramientas Ayuda

Favoritos CiteULike: CiteULike y ... http://eprints.rcds.org... mimedicalinforma...

Añadir contenido Dashboards mimedicalinformationlibrary Ajustes Cerrar sesión

 **MILK**  
Medical Information Library and Knowledge  
Open Medical Library

Presentación Buscadores Sumarios (863) Colecciones Blogs (296) Novedades Empleo Cursos Guías y tutoriales Monográficos Noticias  
Videos/Podcasts (211) Acceso abierto Software Libre Listas de correo Universos Netvibes Miscelánea (61) Medicina 2.0 **CiteULike (52) [editar](#)**

Nueva pestaña

**(52) CiteULike: medicalinformationlibrary's library**

- Folksonomies and clustering in the collaborative system CiteULike [Hace 1 semana](#)
- Defrosting the Digital Library: Bibliographic Tools for the Next Generation Web [Hace 1 semana](#)
- [Scientific productivity, collaboration and research areas in Enfermedades Infecciosas y Microbiología Clínica (2003-2007).] [Hace 1 semana](#)
- Usabilidad de revistas electrónicas especializadas en Ciencias de la Salud: medición y evaluación [Hace 1 semana](#)
- Gestores de referencias de última generación: análisis comparativo de RefWorks, EndNote Web y Zotero [Hace 1 semana](#)
- Ethics and Reproductive BioMedicine Online [Hace 1 semana](#)
- Breve reseña de las bibliotecas médicas en Cuba [Hace 1 semana](#)

[más artículo](#)

Listo pero con errores en la página.

Inicio MILK - Mac d... Exora - [D] Resultado d... EndNote X3... mimedicalinf... MILK42 - M... Exora ES 11:41



# Conclusions



MILK

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By incorporating and **integrating these two tools of Web 2.0 freeware (Connotea and Citeulike)** the cooperation between participating libraries has increased and it was provided a new channel that promotes and facilitates the discovery of scientific information, that allows any member of MILK the possibility of receiving and sharing information through the platform **Netvibes**.

**This is a simple, flexible and agile work that allows us to work together** to broaden the base of the system without imposing a significant effort on the part of each of the participating members.

**Netvibes** provides a good performance in terms of cost efficiency to the user community of our institutions.





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# Thank you for your attention

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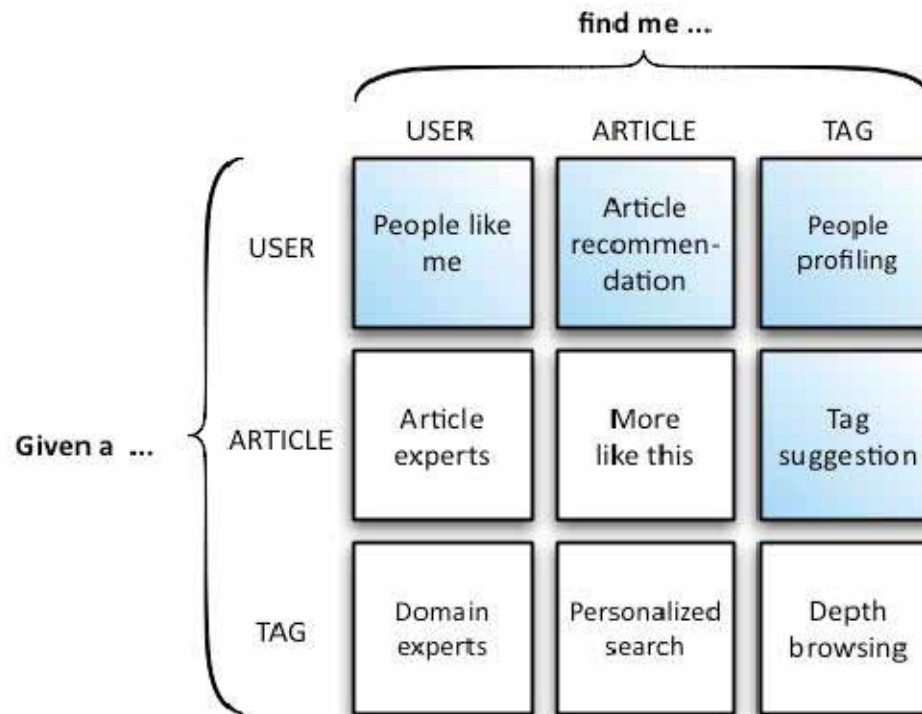
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# Appendices A:



**Figure 1:** *Nine possible recommendation tasks on CiteULike. Figure is adapted from Bogers (2009) and Clements (2007).*