

# Reflecting on Web-readings with Tag Clouds

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# Reflecting on Web-readings with Tag Clouds

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# Social Bookmarks



# Tagging



manuscript journals innovation hardware hci hci  
mace management mindmap mmorg mobile mobilelearning literatu  
museum news nfi ocr opensource optimiza  
performance perl philosophy photos policy projec  
publication requirements-engineering resea  
semanticweb sensors server shortm  
software specifications study  
usab

# ***Reflection***



Motivation

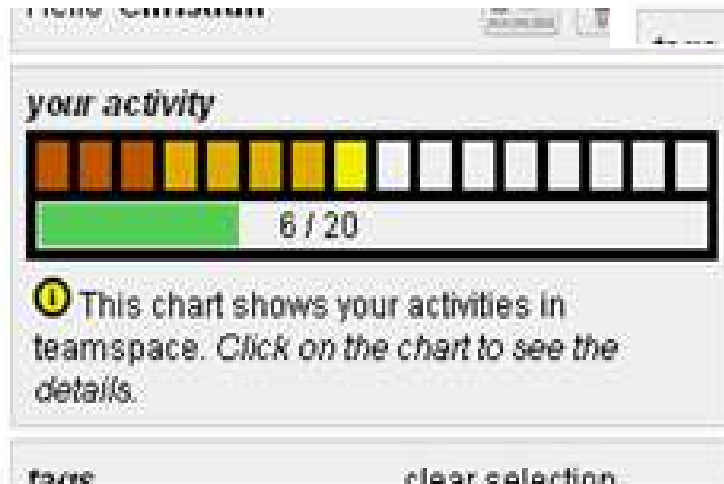
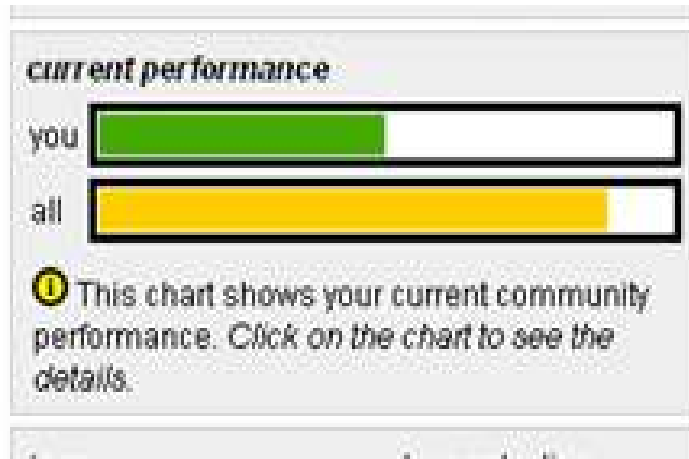
# **LEARNER SUPPORT IN UNSTRUCTURED ENVIRONMENTS**



Approach

# HIGHLIGHTING RELEVANT INFORMATION TO THE LEARNER

# Highlighting relevant information ...







Objective

# A PERSONAL TAG CLOUD TO STIMULATE REFLECTION

A word cloud in the top right corner of the slide, tilted at an angle. It contains various terms such as 'learningtechnology', 'opensource', 'linux', 'mobilelearning', 'photos', 'policy', 'project', 'research', 'specifications', 'software', 'requirements-engineering', 'innovation', 'instantmessaging', 'perl', 'philosophy', 'museum', 'news', 'performance', 'publication', 'semanticweb', 'servers', 'shortcuts', 'study', 'usable', 'journal', 'mace', 'management', 'mindmap', 'mmorg', 'nfi', 'ocr', 'optimiza', 'hci', 'java', 'literatu', 'museu', 'nfi', 'ocr', 'open', 'optimiza', 'philosophy', 'photos', 'policy', 'project', 'research', 'specifications', 'software', 'requirements-engineering', 'innovation', 'instantmessaging', 'perl', 'philosophy', 'museum', 'news', 'performance', 'publication', 'semanticweb', 'servers', 'shortcuts', 'study', 'usable', 'journal', 'mace', 'management', 'mindmap', 'mmorg', 'nfi', 'ocr', 'optimiza', 'hci', 'java', 'literatu'.

# Background

# Social (makro) Dimensions

delicious Home Bookmarks People Tags

Explore Everyone's Tags  
See what's popular, or delve into your own interests.

Tag type a tag

Click a tag below or type in a word above, and we'll show you the latest bookmarks saved with that tag.

## Tag Cloud: Popular

Sort: Alphabetically | [By size](#)

.net 2008 3d advertising ajax and animation api apple architecture **art** article **articles** artist audio **blog** blogging blogs book books browser business car cms code collaboration comics community computer converter cooking cool css culture data database **design** desktop development diy documentation download downloads drupal ebooks economics **education** electronics email entertainment environment fashion fic film finance firefox **flash** flex flickr food forum **free** freeware fun funny gallery game **games** geek **google** government graphics green guide hardware health history home hosting house **howto** html humor icons illustration images imported information **inspiration** interactive interesting internet iphone japan java **javascript** jobs jquery kids language learning library **linux** list lists literature **mac** magazine management maps marketing math media microsoft mobile money movie movies mp3 **music** network networking **news** online **opensource** osx people phone photo **photography** photos photoshop php plugin podcast **politics** portfolio privacy productivity **programming** psychology python radio rails realestate recipe recipes **reference** religion research resources reviews rss ruby rubyonrails school **science** search security seo shop **shopping** social socialnetworking **software** statistics streaming teaching tech **technology** tips todo tool **tools** toread travel **tutorial** tutorials tv twitter typography ubuntu usability **video** videos vim visualization **web** web2.0 **webdesign** webdev wiki wikipedia windows wishlist wordpress work writing youtube

Join Now! | What's New? | Learn more | Help | Sign In

Search Delicious Search

Save a new bookmark

## What is a tag?

A tag is simply a word you can use to describe a bookmark. Unlike folders, you make up tags when you need them and you can use as many as you like. The result is a better way to organize your bookmarks and a great way to discover interesting things on the Web.

## What is a tag cloud?

A list of tags where size reflects popularity.

(Millen & Feinberg, 2006;  
Millen, Feinberg, & Kerr, 2006)





# Interactions

Elastic Tag Cloud (Stefaner, 2007)

[http://well-formed-data.net/experiments/tag\\_maps/](http://well-formed-data.net/experiments/tag_maps/)

A decorative word cloud in the top right corner of the slide. The words are arranged in a diagonal pattern, with some words in a larger, bolder font than others. The words include: manuscript, journals, innovation, hardware, hci, java, management, mindmap, mmorg, mobile, mobilelearning, literatu, museum, news, nfl, ocr, opensource, optimiza, performance, perl, philosophy, photos, policy, projec, publication, requirements-engineering, resea, semanticweb, sensors, server, shortm, software, specifications, study, usab.

# Personal Benefit?



# Effects on Learning?



again ...

# A PERSONAL TAG CLOUD TO STIMULATE REFLECTION



# Design Study

very small user base

concepts, not hypotheses

exploration, not validation

# Purpose of the Study

*effects on reflection and learning*

*practice driven hypothesises*

# ReScope Design Version 1

I use **del.icio.us** for bookmarking. Below you find the tags I use.

The tag cloud shows the relevance and the recency of those topics that I find interesting. The font-size of each tag indicates its relevance, while the color tells you my current interest for the tag.



ajax ambientcomputing art austria blog bugfix call casestudies  
coding comic competence computeranimated computergames  
computerhistory computerscience conferences contemporary creative  
critique culture demos design desktoputilities dictionaries distributions  
documentation dutch education email eu exhibition fantasy flash  
friends funding futuretechnologies gamebaselearning gaming google  
googleearth graphicdesign gtalk gui hardware hci home html  
ideas illustration indicators innovation instantmessaging java javaclasses  
javascript journals learningtechnology linux literature isa  
mace management mindmap mmorpg mobile mobilelearning modelling  
movies museum news nfl ocr opensource optimization pdf  
performance perl philosophy photos policy project  
project-management publication requirements-engineering research  
robotics science security semanticweb sensors server shortmovie  
socialeffects socialsoftware software specifications study svg  
system tax technology tools toys train travel tv uml usability  
usercontent video videotools virtualmuseum visualisation voip weather  
web web2.0 webanimation webapplications webdesign  
windows work wow xml xul youth

Color Legend:

unused used interesting relevant important very important hot very hot big deal

<http://lo-f.at/glahn/>

# ReScope Design Version 2

## ReScope Tags

[help]

Enter a Del.icio.us nick name. A good start is your own nick. If you don't have a del.icio.us account (yet), you may want to try the default (phish108).

[use this link for bookmarking](#)

adaptation adult\_learning **ajax** ambientcomputing **art** audio austria beta **blog** browser bugfix call casestudies **coding**  
comic commercial competence computeranimated computergames computerhistory computerscience conferences contemporary  
creative critique **culture** database demos **design** desktoputilities dictionaries distributions documentation dutch **education**  
email eu exhibition facebook fantasy flash friends funding futuretechnologies gamebaselearning gaming google googleearth  
graffiti graphicdesign gtalk **gui** **hardware** **hci** history home html humanrights ideas identity illustration indicators informal  
infrastructure innovation instantmessaging international java javaclasses **javascript** journals **learningtechnology** library  
**linux** **literature** ill lsa mace macosx magazine management maps mindmap mmorpg **mobile** mobilelearning modelling  
movies multimedia museum music networking **news** nfl obscure ocr **opensource** optimization papertoy pdf performance  
**perl** personalisation philosophy **photos** policy portal **project** project-management projects publication r reflection  
requirements-engineering **research** robotics science security **semanticweb** sensors server shortmovie skype **socialeffects**  
**socialsoftware** society **software** softwarearchitecture **specifications** statistics store study svg system tagging tax  
**technology** telephony tencompetence theory **tools** toys train training travel tv uml **usability** usercontent video  
videotools virtualmuseum visualisation voip weather **web** **web2.0** webanimation **webapplications** webdesign  
windows winterschool work workplace wow xml xul youth

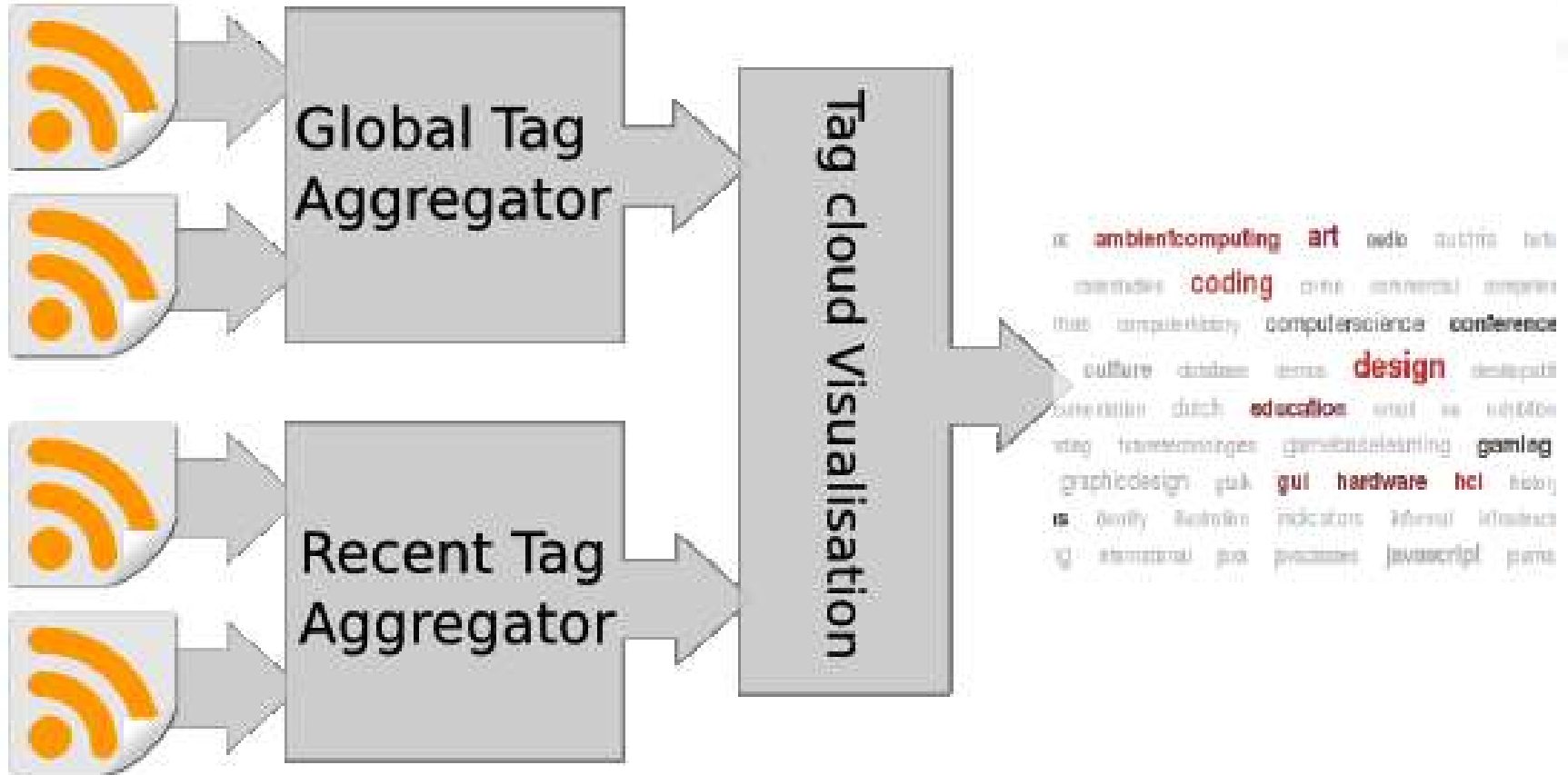
By the way, the colors tell you how frequently a tag has been used with the last 20 bookmarks of the user.

Grey means that the tag wasn't used, recently; black means that it has been used only once; and strong red means that the tag was assigned to almost every bookmark. Find out more about the color code on our [help pages](#).

The font size of each tag tells you how often the tag has been used in general.

***<http://lnx-otecexp-005v.ou.nl/rescope/demo.html>***

# Architecture



(Glahn, Specht, & Koper, 2007, 2008)

# Time issues

self-paced activities

absolute vs. relative time

# Findings

*Relating*

*Controlling*

*Linking*

# Next Steps

## ReScope Tags

adaptation adult\_learning **ajax** ambientcomputing **art** audio austria beta **blog** browser bugfix  
call casestudies **coding** comic commercial competence computeranimated computergames  
computerhistory computerscience conferences contemporary creative critique **culture** database  
demos **design** desktoputilities dictionaries distributions documentation dutch **education** email  
eu exhibition facebook fantasy flash friends funding futuretechnologies gamebaselearning gaming  
google googleearth graffiti graphicdesign gtalk gui **hardware** hci history home html  
humanrights ideas **identity** illustration indicators informal infrastructure innovation instantmessaging  
international java javaclasses **javascript** journals **learningtechnology** library **linux**  
**literature** ll3 lsa mace macosx magazine management maps mindmap mmorpg **mobile**  
mobilelearning modelling movies multimedia museum music networking **news** nfl obscure ocr  
**opensource** optimization papertoy pdf performance **perl** personalisation philosophy **photos** policy  
portal **project** project-management projects publication r **reflection** requirements-engineering **research**  
robotics science security **semanticweb** sensors server shortmovie skype **socialeffects**  
**socialsoftware** society **software** softwarearchitecture **specifications** statistics store study svg  
system **tagging** tax **technology** telephony tencompetence theory **tools** toys train training  
travel tv uml **usability** usercontent video videotools virtualmuseum visualisation voip weather  
web **web2.0** webanimation **webapplications** webdesign windows winterschool work  
workplace wow xml xul youth

## Phish One

Your Profile  
ReScope Tags

## Goals

Reset To Current Tag Cloud

140

hey cool selecting and deselecting works now  
too

12.09.2008 14:38:47

cool the new #message box works just fine :D

12.09.2008 12:50:26

with #tag attached ;)

11.09.2008 19:51:17

doh

11.09.2008 14:03:09

test one two one two

10.09.2008 20:35:57

<http://lnx-otecexp-005v.ou.nl/rescope/>



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OpenUniversiteitNederland

<http://lo-f.at/glahn/blog/>  
<http://twitter.com/phish108>

<http://lnx-otecexp-005v.ou.nl/rescope/>