

Jakob Voß

Tagging, Folksonomy & Co Renaissance of Manual Indexing?

10th international Symposium for Information Science
2007-06-01

<http://arXiv.org/abs/cs/0701072>

Keywords:	tagging, indexing, knowledge organization, typology
ACM CC:	H.3.1. Content Analysis and Indexing
arXiv/CoRR SC:	IR. Information Retrieval, DL. Digital Libraries
JITA:	IC. Index languages, processes and schemes

(1 resource, 1 records, 1 users, 4 tagging system, 8 tags)

Jakob Voß

Tagging, Folksonomy & Co Renaissance of Manual Indexing?

10th international Symposium for Information Science
2007-06-01

- [Tagging, Folksonomy & Co - Renaissance of Manual Indexing?](#)

by [Voss J](#)

posted to [classification](#) [collaboration](#) [folksonomy](#) [index](#) [indexing](#) [information](#) [information](#) [science](#) [internet](#) [knowledge-discovery](#) [knowledge-management](#) [library](#) [metadata](#) [overview](#) [retrieval](#) [semanticweb](#) [tag](#) [tagging](#) [web20](#) [web](#) [20](#) by [anansi](#) as ★★ and [14 others](#) ... [sjonvanthof](#) [A Olympia](#) [hanshee](#) [abonchen](#) [mook3000](#) [millamilla](#) [creswick](#) [pchampin](#) [mattlandau](#) [mielniczuk](#) [Hoenikker](#) [meiersi](#) [ianturton](#) [dbenz](#)

- [Tagging, Folksonomy & Co - Renaissance of Manual Indexing?](#)

by [Voss J](#)

posted to [collaborative](#) [tagging](#) [folksonomy](#) [index](#) [indexing](#) [lis](#) [no-tag](#) [tagging](#) [work](#) by [Elycha](#) as ✓ and [4 others](#) ... [ianturton](#) [gphroh](#) [flavian](#) [vasile](#) [eqh](#)

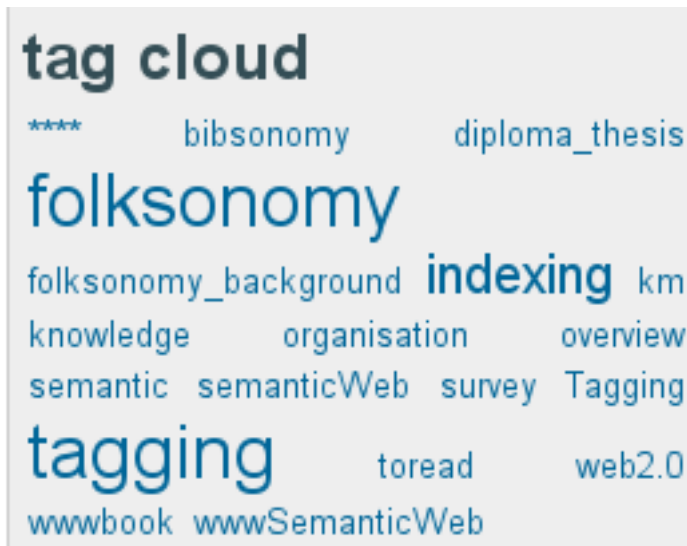
(2 resource, 20 records, 20 users, 1 tagging system, 23 tags)

BibSonomy ::

Jakob Voß

Tagging, Folksonomy & Co Renaissance of Manual Indexing?

10th international Symposium for Information Science
2007-06-01



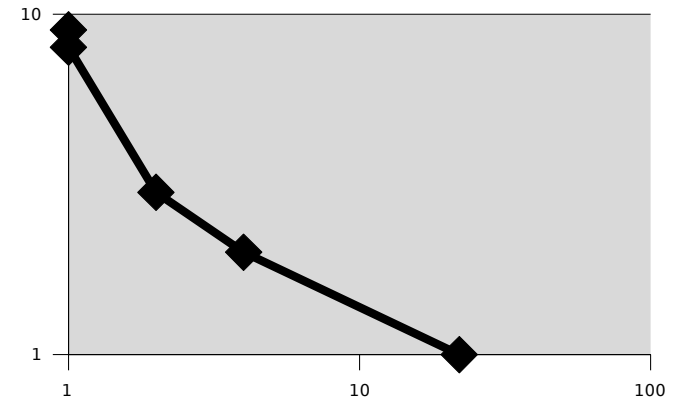
8 tagging
7 folksonomy
2 indexing
1 bibsonomy
1 diploma_thesis
1 folksonomy_background
1 ****
... skipped 10 more tags ...
1 wwwSemanticWeb

(1 resource, 9 records, 9 users, 1 tagging system, 32 tags)

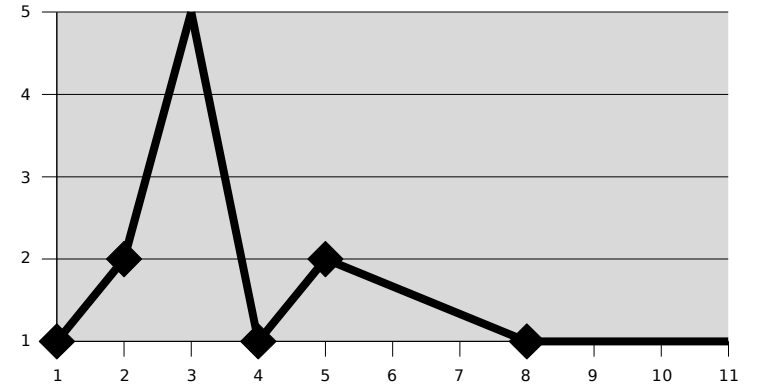


tag/user	9	3	11	13	12	5	10	7	2	1	8	6	4	
tagging	2	1	1	1		1	1	1	1					9
folksonomy	1	1				1	1	1	1			1	1	8
indexing			1	1		1								3
typology	1		1	1										3
Web		1			1									2
knowledge			1	1										2
organization			1	1										2
folksonomies					1				1					2
cial_networks												1		1
tag	1													1
user	1													1
semantic					1									1
sharing					1									1
social										1				1
voss	1													1
2.0		1												1
bookmarking										1				1
taxonomy	1													1
article		1												1
classification	1													1
management											1			1
pdf		1												1
format		1												1
indexieren								1						1
tion_retrieval												1		1
read		1												1
roles	1													1
library							1							1
of	1													1
Catalog										1				1
	11	8	5	5	4	3	3	3	3	3	2	2	1	53

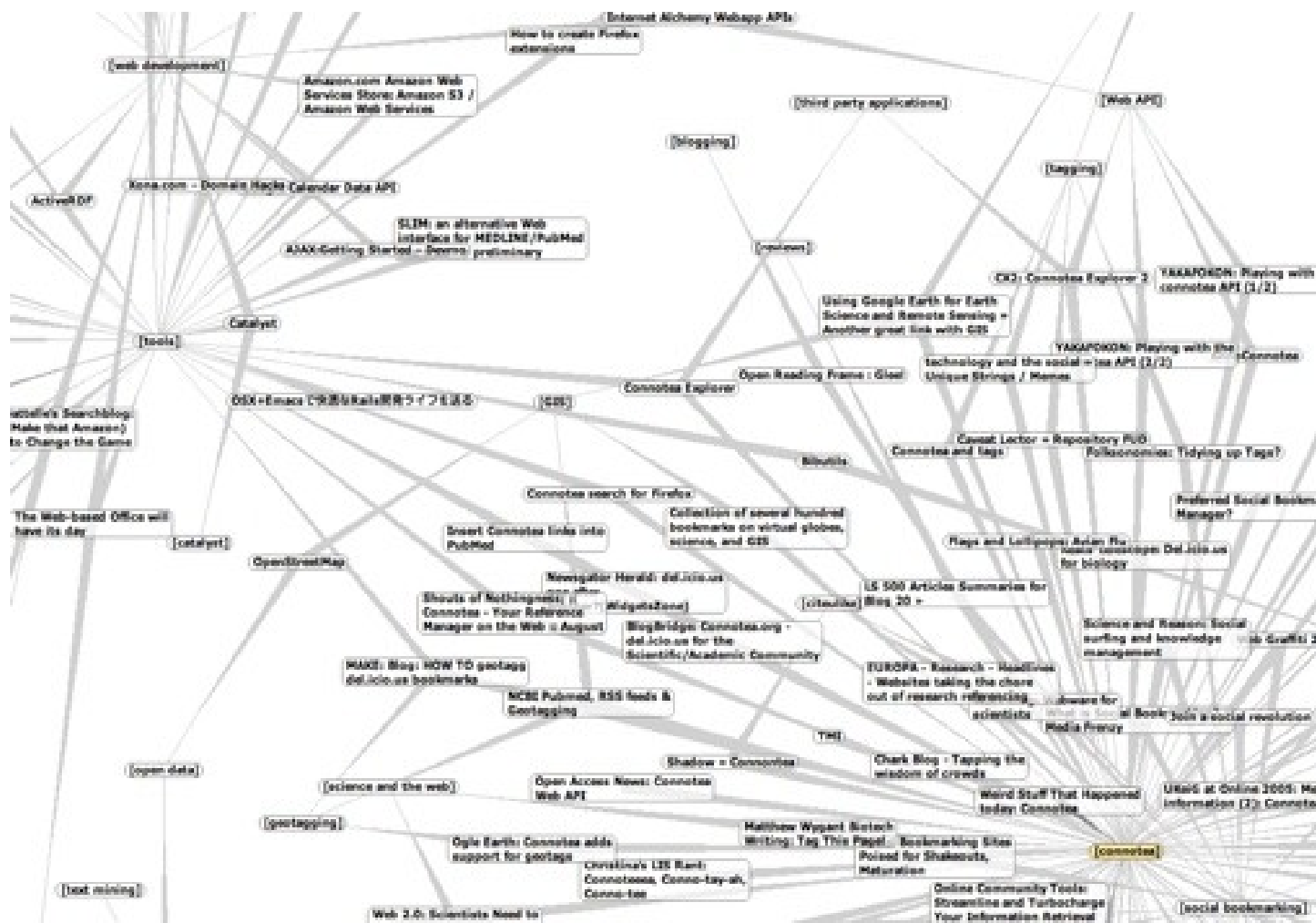
tag popularity (users per tag)



tag numbers (tags per users)



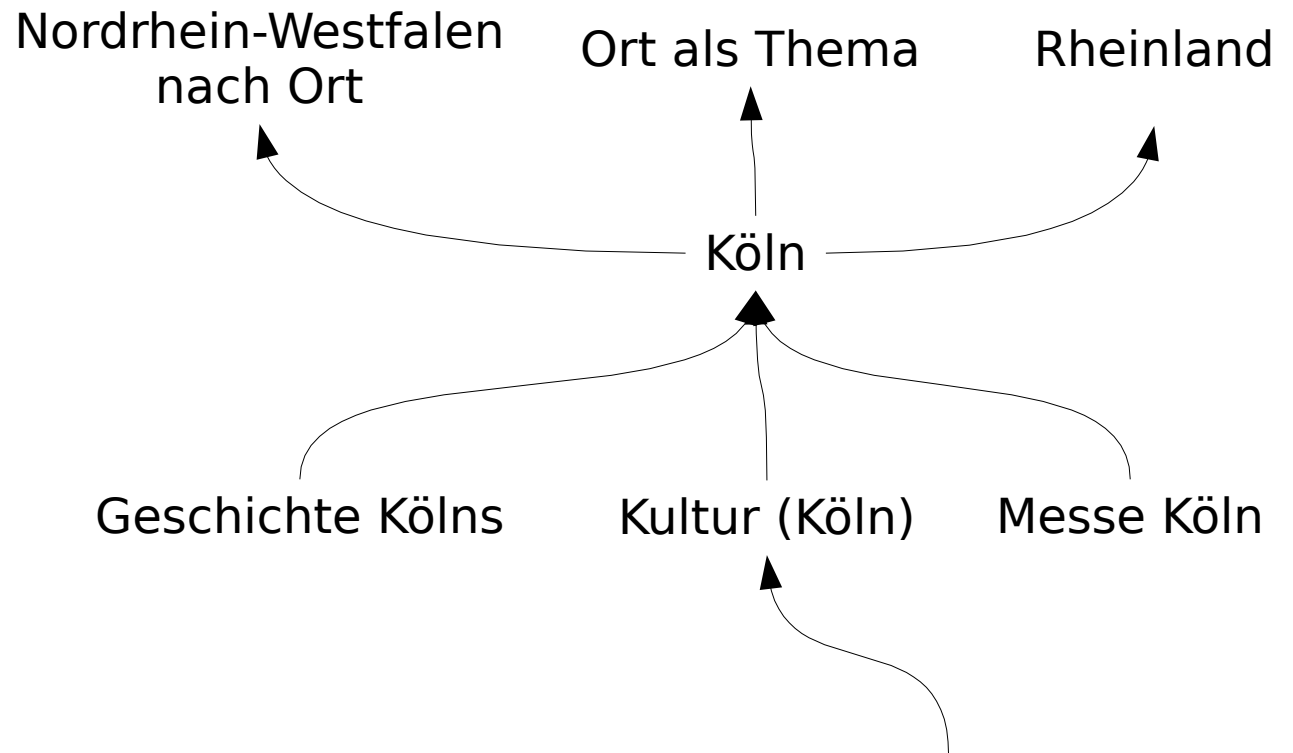
(5 resource, 13 records, 13 users, 1 tagging system, 54 tags)





Wikipedia categories

Multihierarchie of categories



Tagged article

[Kategorien: Katholische Bischofskirche \(Deutschland\) | Kölner Dom | Weltkulturerbe in Deutschland | Geschütztes Kulturgut | Architekturikone | Gotisches Bauwerk | Historisches Bauwerk | Stadtbezirk Köln-Innenstadt | Kultbau](#)

Tag Infos: indexing

Tag **202 mal benutzt von 80 Benutzern.**

Mit "indexing" getaggt

[nmulvany](#) (20), [Stitswerd](#) (20), [PossMan](#) (15), [DavidB](#) (13), [BrightCloud](#) (7), [msensiba](#) (6), [bohannon](#) (6), [IsobelHiom](#) (5), [postcardprincess](#) (4), [Inichols8](#) (4), [Babar](#) (4), [maricello](#) (4), [jamieanderson1968](#) (3), [clearchart](#) (3), [MGN](#) (3), [Dragonfly](#) (3), [stephde](#) (3), [gatemansnametag](#) (2), [adulau](#) (2), [mseditor](#) (2) [» mehr anzeigen](#)

Am häufigsten mit "indexing" getaggt

- [Indexing books](#) von [Nancy C. Mulvany](#) (19)
- [Indexing books](#) von [Nancy C. Mulvany](#) (9)
- [Introduction to indexing and abstracting](#) von [Donald B. Cleveland](#) (10)
- [Indexing from A to Z](#) von [Hans H. Wellisch](#) (8)
- [Indexing and abstracting in theory and practice](#) von [F. W. Lancaster](#) (7)
- [Facing the text : content and structure in book indexing](#) von [Do Mi Stauber](#) (6)
- [Indexes : A Chapter from The Chicago Manual of Style](#) von [Chicago Editorial Staff](#) (5)
- [Handbook of Indexing Techniques: A Guide for Beginning Indexers](#) von [Linda K. Fetters](#) (4)
- [Indexes and Indexing](#) von [Robert Collison](#) (3)
- [Indexing: the Manual of Good Practice](#) von [Pat F. Booth](#) (3)
- [Indexing: A Nuts-and-Bolts Guide for Technical Writers \(Fifth Edition\)](#) von [Kjart Arntsen](#) (3)

- [National Genealogical Society quarterly, v. 81, no. 2, June 1951](#) von [National Genealogical Society](#) [[Dragonfly](#)]
- [Indexing Books](#) von [Robert Collison](#) [[flexnib](#)]
- [Indexing and abstracting in theory and practice](#) von [F. W. Lancaster](#) [[cleverusername2](#)]
- [The organization of information](#) von [Arlene G. Taylor](#) [[Reader1066](#)]
- [Courthouse Indexes Illustrated](#) von [Christine Rose](#) [[Dragonfly](#)]
- [Business Filing and Records Control](#) von [Ernest Dickey Bassett](#) [[bertilak](#)]
- [Basic Indexing Course Guide \(EDIT 3360C\)](#) [[bohannon](#)]
- [Indexes : A Chapter from The Chicago Manual of Style](#) von [The University of Chicago Press](#) [[bohannon](#)]
- [Indexing Specialties: Law](#) [[bohannon](#)]
- [Starting an Indexing Business](#) [[bohannon](#)]

Siehe auch: Neueste Rezensionen für Bücher mit dem Tag "indexing" [XML](#) [HTML](#)

[Meine Tags](#) | [LT Tag-Wolke](#) | [LT Autoren-Wolke](#)

Verwandte Tags

(Anzahl anzeigen)

abstracting Bibliography book
 books **business skills** **Cataloging**
classification computer science **editing**
 english Family History **genealogy** Grammar home
 humor Index Information information architecture
information retrieval **information science** information technology internet java librarians
 Librarianship libraries library **library science** metadata **non-fiction**
proofreading **Publishing** punctuation
reference Research search searching

- [Information organization](#) (7)
- [Authorship > Style manuals](#) (6)
- [Printing > Style manuals](#) (6)
- [Codes typographiques](#) (5)
- [Authorship > Handbooks, manuals, etc](#) (5)
- [Authorship](#) (5)
- [Printing > United States > Style manuals](#) (5)
- [Publishing](#) (5)
- [Writing](#) (5)
- [Publishers and publishing > United States > Handbooks, manuals, etc](#) (5)
- [Art d'écrire > Guides, manuels, etc](#) (5)
- [\(alle Themen anzeigen\)](#)

Tags zusammenfassen?

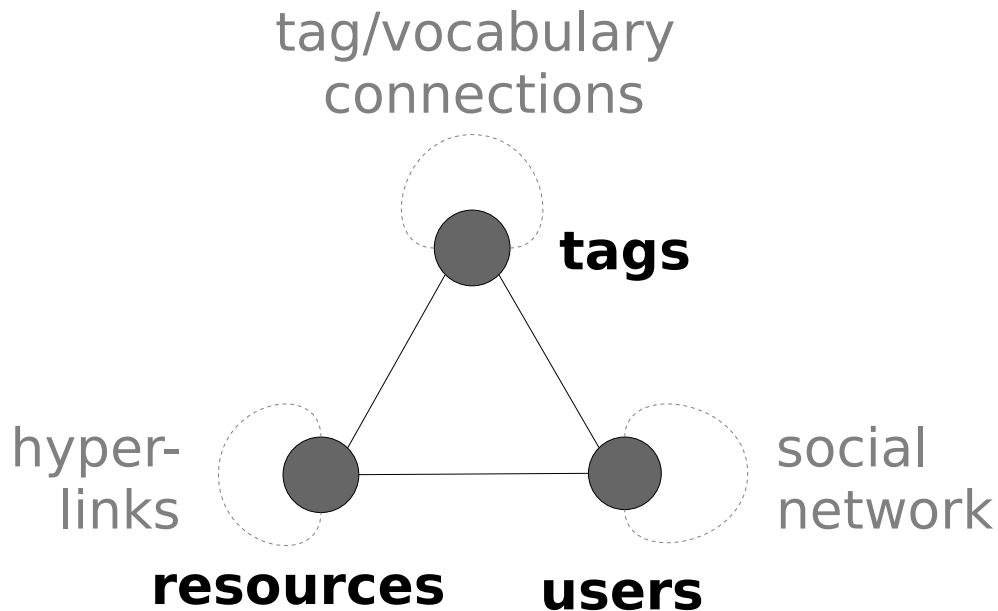
Gibt es synonyme Tags in der Sektion "Verwandte Tags"? Du kannst die Tags zusammenfassen.

Frequent problems

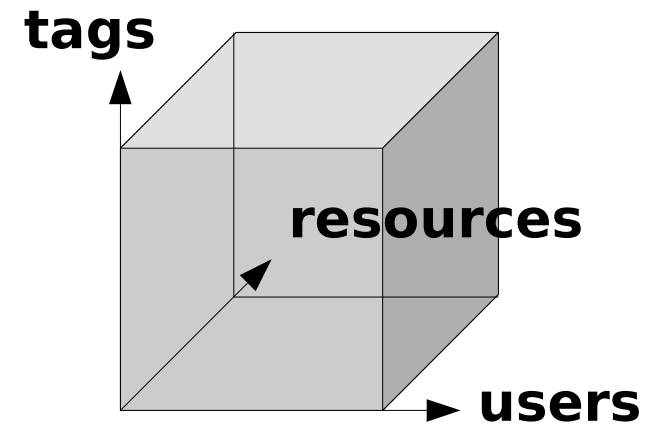
- homonyms and synonyms
- pre-coordination vs. post-coordination
- artifacts (special characters, empty records, duplicates etc.)

Basic models of tagging

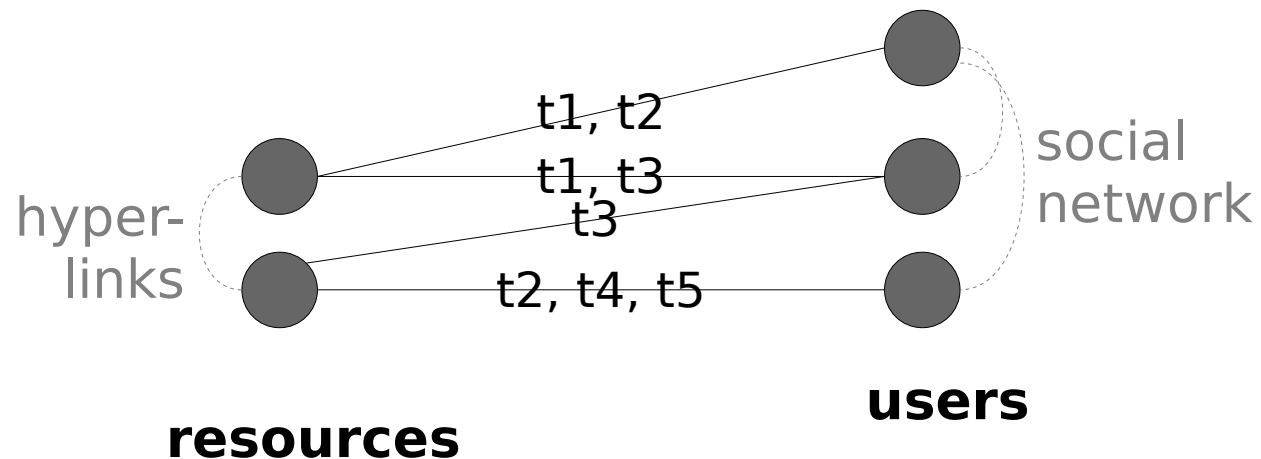
tripartite graph



3-dim. matrix



hypergraph



Typology of tagging systems

- Tagging Rights
- Source of Resources
- Resource Representation
- Tagging Feedback
- Tag Aggregation
- Tag Control
- Tag Connectivity
- Resource Connectivity
- Automatic Tagging

tagging rights

- public/private
- open/restricted
- user roles
- types/weight of tags

source of resources

- newly created
- found by anyone
- controlled collection

resource representation

type of resource, autopsy/preview, copy...

tagging feedback

url	<input type="text" value="http://de.wikipedia.org"/>	
description	<input type="text"/>	required
notes	<input type="text"/>	
tags	<input type="text" value="W"/>	space separat
suggestions	wikipedistic Wikis wikipedia wiki Weblogs Weblog Wikipedistik Web2.0 wikimaps Webcams	
	<input type="button" value="save"/>	

your tags

[socialsoftware](#) [bibliography](#) [wikipedistic](#) [like](#) [Threadless](#) [Wikis](#) [wikipedia](#) [semanticWeb](#) [Göttingen](#) [Tagg](#)
[classification](#) [wiki](#) [fuzzylogic](#) [museology](#) [socialtagging](#) [Weblogs](#) [Folksonomy](#) [software](#) [udc](#) [gerhard](#) [kos](#) [r](#)

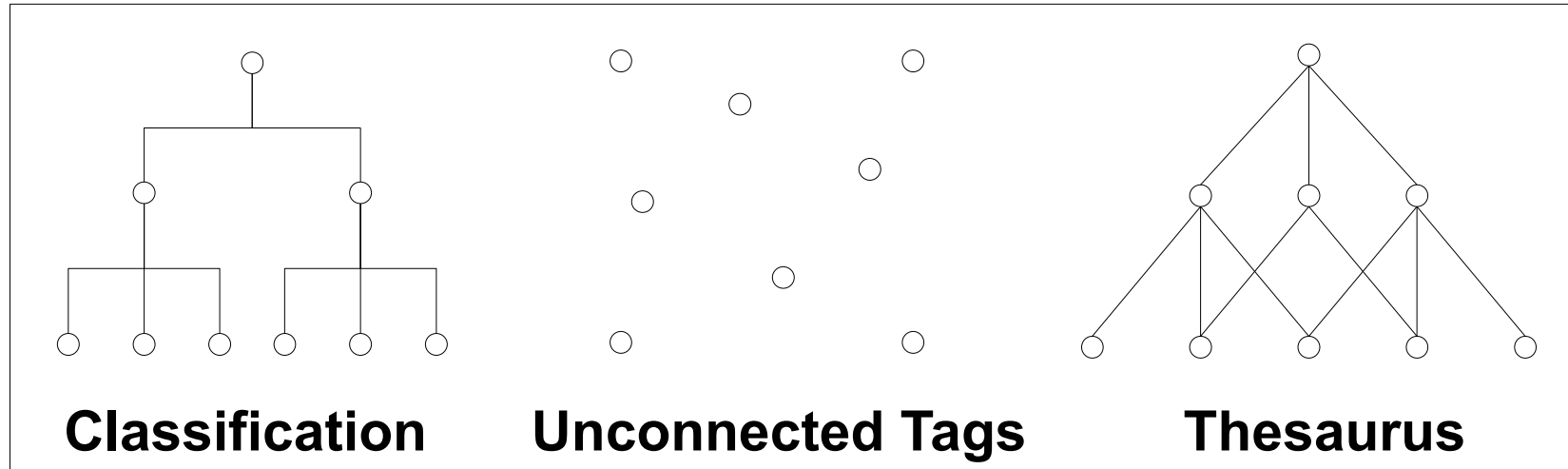
tag aggregation

- **bag model:** tag-set per user and resource
- **set model:** tag-set per resource

tag control

- merge, split,
- rename
- authorize
- connect
- ...

tag connectivity



resource connectivity

- hyperlinks
- hierarchies

User roles in tagging systems

- **Author** – creates or edits resource
- **Collector** – adds resource to collection
- **Indexer** – tags resource
- **Researcher** – searches/browses by tags

Answer for each system:

Who does **when** fulfill **what** role?

User roles in tagging systems

- Traditional library system
 - **Author** : book author
 - **Collector & Indexer** : library
 - **Researcher** : users (incl. authors)
- Preprint server (arXiv etc.)
 - **Author, Collector & Indexer** : paper author
 - **Researcher** : users (incl. authors)
- LibraryThing
 - **Author** : Book author
 - **Collector, Indexer, Researcher** : users

Summary

- manual indexing is on the rise
- many different systems
- common structures
- but need to know
 - **user roles** of a given system
 - **typology** properties of a given system