Custom Taxonomy Creation

Workshop

World Information Architecture Day - New Hampshire

Heather Hedden

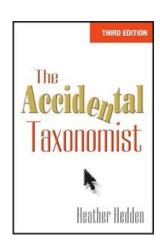


About Heather Hedden

- Data & Knowledge Engineer, Semantic Web Company, vendor of PoolParty software
- Instructor of online and corporate taxonomy courses and workshops and taxonomy review consulting, Hedden Information Management
- Former taxonomy consultant staff taxonomist at Gale/Cengage Learning, Viziant,
 First Wind
- Author of The Accidental Taxonomist, 3rd ed. (2022, Information Today, Inc.)





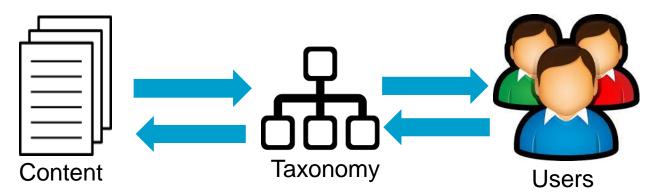


Custom Taxonomy Creation: Outline

- Introduction to taxonomies
- Sources for terms
 - Content as a source
 - Users and stakeholders as sources
- Term and label creation
- Structural design: taxonomy facets

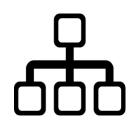
What is a taxonomy for?

- Concepts/terms are used to tag/index/categorize pages or content to make them easier to be found and retrieved
 - supporting better findability than search alone
- The taxonomy is an intermediary that links the user to the desired content.
- The taxonomy should suit the content and the users.



Two major approaches to (or features of) taxonomies

1. A hierarchy of terms/topics/categories arranged with narrower topics/subcategories displayed under their broader/parent categories.



- To guide users to find the desired topic (and its linked content of pages or documents)
- Similar to navigation and site maps, but more topical and not just based on page titles
- 2. A controlled vocabulary of metadata tags/labels to apply to pages, posts, or documents, so that they can be more precisely and comprehensively retrieved (than by search algorithms alone on keywords in text).



Implemented as search suggestion terms, search refinement filters, or related topics and searches

Office DEPOT OfficeMax	Products ^ Services ∨	De	eals 🗸 Search		
Free next-day ship	Office Supplies	>	Pens, Pencils & Markers	Filing & Folders	Desk Accessories
	Furniture	>	Pens	File Folders	Desk Organizers
	Cleaning	>	Markers & Highlighters	Hanging File Folders	Desk Trays
	, and the second		Pencils	Expanding File Folders	File Organizers
	Breakroom	>	Correction Fluid & Tape	Classification Folders	Drawer Organizers
Big	Paper	>	Basic Supplies	Binders & Accessories	Calendars & Planners
_	School Supplies	>	Staplers & Staples	Binders	Calendars
A	Technology	>	Paper & Binder Clips	Dividers & Tabs	Planners
F.,	Ink & Toner	>	Scissors	Report Covers & Portfolios	Organizers
Fre fui	Tax Return Solutions		Paper Punches & Cutters	Sheet Protectors	More Ways to Shop
			Mailing & Shipping	Labels & Label Makers	Tax Return Solutions
	Cold & Flu		Envelopes	Standard Labels	Post-It & Sticky Notes
	off: a a dam at a ana		Shipping & Moving Boxes	Label Maker Tapes	Tape & Adhesives
WW	w.officedepot.com		Mailers	Address Labels	Storage Boxes & Bins
			Packing Tape	Label Makers	Presentation Boards
			Packing Materials	Name Badges & Holders	

World Bank Open Data

Free and open access to global development data

pop III Population, male World Bank II Population, total https://data.worldbank.org III Population, female III Rural population II Urban population III Population, male (% of total population) Population, female (% of total population) Population in largest city

Introduction to T

Structural types of taxonomies

Leisure and culture

- . Arts and entertainment venues
- . Museums and galleries
- . Children's activities
- Culture and creativit Hierarchical
- . Architecture
- . Crafts
- . Heritage
- . Literature
- . Music
- . Performing arts
- . Visual arts
- . Entertainment and events
- . Gambling and lotteries
- . Hobbies and interests
- . Parks and gardens
- . Sports and recreation
- . . Team sports
- . . Cricket
- . . . Football
- . . Rugby
- . . Water sports
- . . Winter sports
- . Sports and recreation facilities
- . Tourism
- . . Passports and visas
- Young people's activities

Career Level

- Student
- Entry Level
- Experienced
- Manager
- Director
- Executive

Faceted Taxonomy

Example

Function

- Customer Service & Support
- Delivery
- Engineering
- Finance
- General Management
- Legal & Regulatory
 Affairs
- Marketing & Advertising [more]

Industry

- Agriculture
- Apparel & Fashion
- Automotive
- Aviation & Aerospace
- Banking
- Biotechnology
- Broadcast Media
- Chemicals [more]

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Taxonomy

Example

000 Computer science, knowledge & systems

Dewey Decimal

Is a classification

Classification

100s level

system a

taxonomy?

- 010 Bibliographies
- 020 Library & information sciences
- 030 Encyclopedias & books of facts
- 040 [Unassigned]
- 050 Magazines, journals & serials
- 060 Associations, organizations & museums
- 070 News media, journalism & publishing
- 080 Quotations
- 090 Manuscripts & rare books

100 Philosophy

- 110 Metaphysics
- 120 Epistemology
- 130 Parapsychology & occultism
- 140 Philosophical schools of thought
- 150 Psychology
- 160 Logic
- 170 Ethics
- 180 Ancient, medieval & eastern philos
- 190 Modern western philosophy

200 Religion

- 210 Philosophy & theory of religion
- 220 The Bible
- 230 Christianity & Christian theology
- 240 Christian practice & observance
- 250 Christian pastoral practice & religious orders
- 260 Christian organization, social work & worship
- 270 History of Christianity
- 280 Christian denominations
- 290 Other religions

300 Social sciences, sociology & anthropology

- 310 Statistics
- 320 Political science
- 330 Economics
- 340 Law

- 350 Public administration & military science 360 Social problems & social services
- 370 Education
- 380 Commerce, communications & transportation
- 390 Customs, etiquette & folklore 400 Language

400 Language

- 410 Linguistics
- 420 English & Old English languages
- 430 German & related languages
- 440 French & related languages
- 450 Italian, Romanian & related languages
- 460 Spanish & Portuguese languages
- 470 Latin & Italic languages
- 480 Classical & modern Greek languages
- 490 Other languages

500 Science

- 510 Mathematics
- 520 Astronomy
- 530 Physics
- 540 Chemistry
- 550 Earth sciences & geology
- 560 Fossils & prehistoric life
- 570 Life sciences; biology
- 580 Plants (Botany)
- 590 Animals (Zoology)

600 Technology

- 610 Medicine & health
- 620 Engineering
- 630 Agriculture
- 640 Home & family management
- 650 Management & public relations
- 660 Chemical engineering
- 670 Manufacturing
- 680 Manufacture for specific uses
- 690 Building & construction

700 Arts

- 710 Landscaping & area planning
- 720 Architecture
- 730 Sculpture, ceramics & metalwork
- 740 Drawing & decorative arts
- 750 Painting
- 760 Graphic arts
- 770 Photography & computer art
- 780 Music
- 790 Sports, games & entertainment

800 Literature, rhetoric & criticism

- 810 American literature in English
- 820 English & Old English literatures
- 830 German & related literatures
- 840 French & related literatures
- 850 Italian, Romanian & related literatures
- 860 Spanish & Portuguese literatures
- 870 Latin & Italic literatures
- 880 Classical & modern Greek literatures
- 890 Other literatures

900 History

- 910 Geography & travel
- 920 Biography & genealogy
- 930 History of ancient world (to ca. 499)
- 940 History of Europe
- 950 History of Asia
- 960 History of Africa
- 970 History of North America
- 980 History of South America
- 990 History of other areas

Taxonomy vs. a Classification System

Classification systems: LC Classification, Dewey Decimal Classification, NAICS, etc.

Classification Systems

- Have codes
- Don't have synonyms (alternate labels)
- Comprehensive and balanced coverage of a domain
- Designed to be browsed hierarchically, top-down
- Built for a domain but independent of specific content
- Provide for limited expansion
- Has "not elsewhere classified" or "other"

Taxonomies

- Don't have codes
- Often have synonyms (alternate labels)
- Just the terms needed and may be hierarchically unbalanced
- Designed to be browsed, searched, or may not be fully displayed to end-users
- Custom-built to include the topics in the content to be tagged
- Can grow and adapt without limits
- Does not have terms for the miscellaneous

Taxonomy vs. site/intranet navigation hierarchy

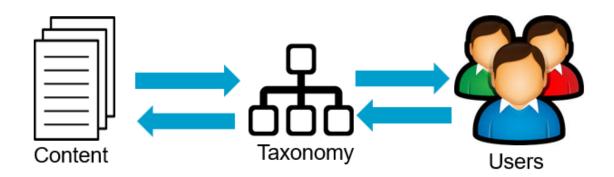
Navigation

- Single-site use and implementation
- Reflects the site-map structure
- Often includes task-based labels
- Labels based on page titles
- Designed to be browsed hierarchically, top-down
- > 1-3 level hierarchy
- One-to-one label-to-page
- Limited size; does not cover all pages
- Biased to emphasize what is important
- Not so flexible for updating
- > Paths and links, not metadata

Taxonomies

- May be re-used in multiple implementations
- Reflect organic relations of the topics
- Based on topics, subjects
- Labels based on terms/topics
- Designed to be browsed, searched, or may not be fully displayed to end-users
- > Options for deeper hierarchy and/or facets
- One-to-many label to multiple pages
- Can be large; can cover all pages/content
- Neutral to topic importance
- Can grow and adapt without limits
- Often are metadata

Sources for Terms



- 1. Content to be tagged
- Users and other stakeholders
- External sources: websites, Wikipedia, other taxonomies and controlled vocabularies, book tables of contents, etc.
- Whether creating a new or enhancing an existing taxonomy.

Sources for Terms: Content

Manual survey of sample content

- From a representative sample of the content to be tagged with the taxonomy
- Of different types, sources, file formats, etc.
- Look for terms especially within titles, section headings, lead paragraphs.
- Look for main idea terms, as if you were indexing or categorizing the content.
- Keep it general for the content item/document/page as a whole
- Consider desired search strings to retrieve the content item.
- Consider different aspects: activity, location, event, person type,
- Manual survey can often get the main idea more reliably than automated methods.



Google, Apple facing anti-competitive complaint in Mexico

PUBLISHED SEP 9 2022 Reuters

MEXICO CITY, Sept 9 (Reuters) - Apple (AAPL.O) and Alphabet's (GOOGL.O) Google are facing a probe over anti-competitive practices in Mexico after the country's former telecommunications chief filed a complaint, he said in a statement on Twitter on Friday.

The complaint was brought to Mexico's telecommunications regulator IFT yesterday by Mony de Swaan

Addati, who once headed

His complaint accuses

their monopoly in app sto

In his online statement

commission, forcing price

A wave of lawsuits and years has led Google to lo

more changes are neede

De Swaan Addati adde

Main terms:

Mexico

Google

Apple

Anti-competitive practices

App stores

Instituto Federal de Telecomunicaciones (IFT)

De Swaan Addati, Mony

investigation into the companies, prompting time to take firs case to the in the

"I have full confidence that (the IFT) will investigate and exercise its powers - in line with international best practices - so that these companies stop abusing their market power to the detriment of developers and consumers," he said.

According to data firm Statista, over 30 million smartphones were forecast to be sold in Mexico last year.

Google's Android has the largest market share in Mexico with 77% penetration, according to the latest data from Statcounter.

placed by IFT.

"taking advantage of n-app purchases."

re charge 15%-20%

countries over recent

ers and other critics say

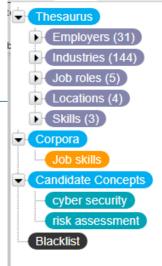
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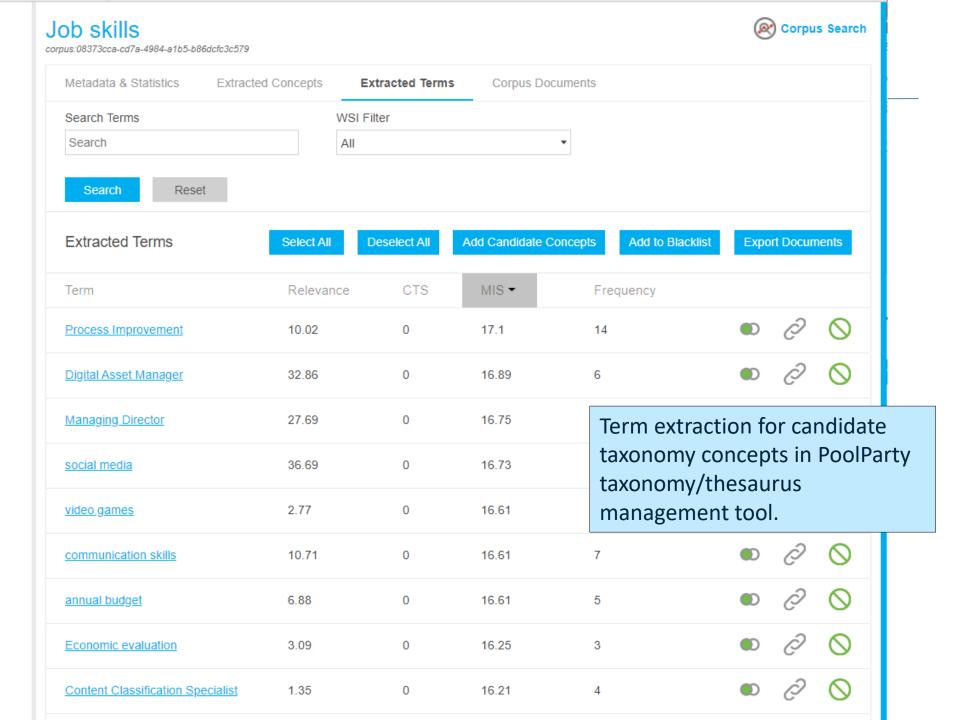
Sources for Terms: Content

Automatic term extraction

- Using text analytics technologies, such as natural language processing (NLP)
- All extracted terms are suggestions only and should be reviewed for inclusion.
- Considers combinations of general frequency, frequency within a document, relevancy, multiple word co-occurrences.
- Term extraction, intended for auto-tagging, is usually too specific/granular for most taxonomy development.
- Candidate term extraction is most practical when the tool is integrated into taxonomy management software.
- Useful for enriching a taxonomy already started from manual identification of terms.







Gather input from:

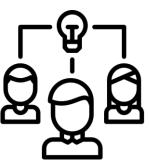
- Brainstorming sessions of stakeholders
 - For designating vocabularies and facets; gathering top and sample terms
- Interviews of sample users and stakeholders
 - For scoping, developing user cases, designating vocabularies and facets, and obtaining some sample terms.
- Requested lists of suggested terms from subject experts
 - For gathering detailed terms
- Search log reports
 - For indirect input from end users, of how the word what they are looking for

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Brainstorming for user input

- 1. Identify and name things
- 2. Consolidate duplicates
- 3. Remove outliers
- 4. Group them into categories or facets

Using whiteboards/sticky notes or virtual collaborate tools (e.g. Miro or Mural)



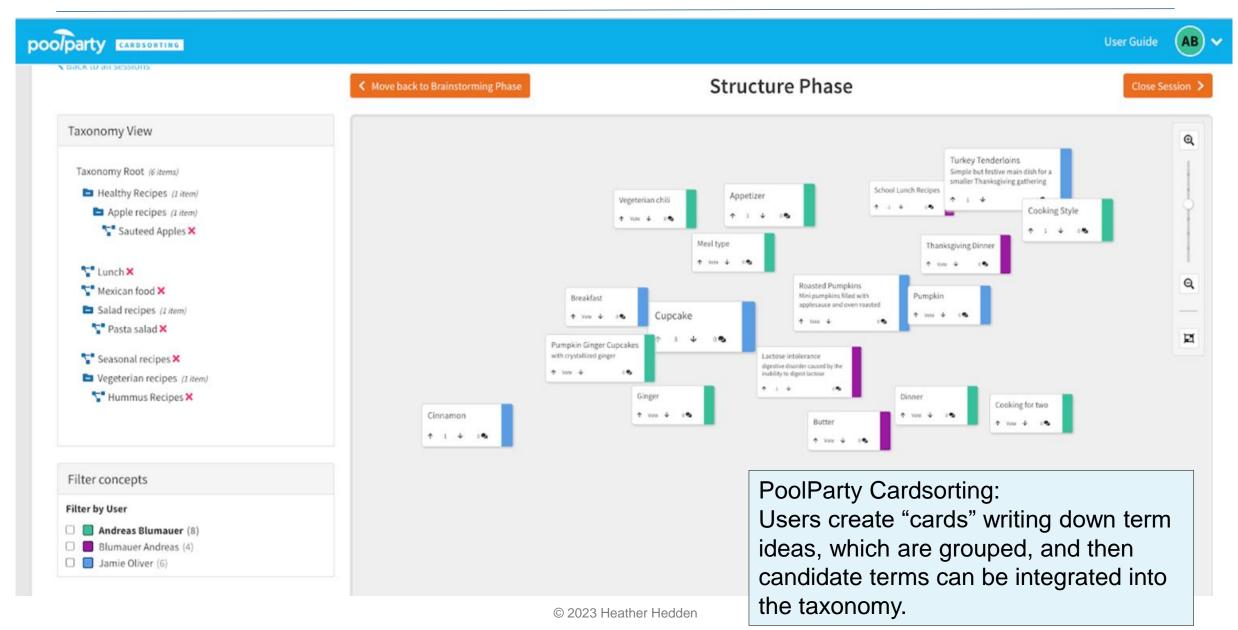
Workshops

- Larger number (5-15), usually in a room together with a facilitator
- Good for intranet/enterprise taxonomies with representatives from different teams
- Often a component of a longer, taxonomy training/introduction workshops

Brainstorming sessions

- Smaller number (3-8) in-person or remote
- Suitable for a taxonomy for any purpose

- 1



Sources for Terms: Users

Interviews for user input

- Interviews of sample users are for multiple purposes:
 - To obtain use cases to better design the taxonomy and its UX
 - To obtain use cases to later test the taxonomy
 - To identify taxonomy facets and scope
 - To collect some terms for the taxonomy
- From different functions that deal with the content
- 1-2 people at once (if from the same function), in person, phone, or video call
- Have prepared sets of questions sent to stakeholders in advance
- Different sets of questions for information users and for information curators (uploading/tagging)
- For information users, different question about how they:
 - find/discover information
 - find desired content items
- For information curators, questions about decisions and issues for tagging/categorizing content

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Sources for Terms: Users

Questions asked in Berklee Music & Health taxonomy project of sample potential users

- 1. If you were to search a music and health database collection of articles, what kind of research would you be doing?
- 2. What kind of topics might you look for?
- 3. What would be any specific keywords you might search?
- 4. Given the different aspects of research studies in music & health, which (any number) of the following would you most likely *initially* want to search (enter into a search box) on (with the remaining aspects getting answered after you retrieve the articles and read them)? [facets listed]
- 5. For the above aspects that you initially search on, how specific would you want to search? How specific would your search terms be?
- 6. How would you look up "patient population/type" for your purposes (if at all)? By medical condition, setting (inpatient/outpatient), demographic, etc.? brain lesion sites.
 - Acute care, chronic care, country: e.g. Korea
- 7. When searching a database of articles, are you more likely to...
 - 1) start with basic search
 - 2) go straight to advanced search

	Α	В	С	D	E	F	G	Н	I
1		Name			Initial search aspects	Specificity	Population	Search type	Comments
2	МТ		Clinical trials, music therapy methods, Neuro-rehab standardized protocols, Day training, physical therapy, occupational therapy	·	music therapy method	Start broad, and then get specific. Example of specific: Walking for balance	By condition, such as stroke, traumatic brain injury, cerebral palsy; Not usually by age, but possibly aging/geriatric, not pediatric Not as inpatient outpatient, but rather as acute or chronic	Basic search	Might also look up by country, such as Korea
3	ΜT		Trauma, mind-body health, adverse child experiences ACEs music and neurobiology, crisis music and disaster, community	GIM – guided imagery, Bonny method of GIM, analytical music therapy, PTSD, anxiety, depression, mindfulness, psychoeducation,	Health issues, including psychological issues Qualitative is important than quantitative studies, so not looking at test type. Whether involving a music therapist or not. Client selected music is of interest.		By diagnosis first. Demographic might be a factor; in person, setting is third	Could go either way. Less experienced so will probably go with defaults	
4	MD		communication, stress, symptoms,	Analgesics, PTSD, coping strategies, preparation for	1) Patient population, 2) condition (Alzheimer's, cancer, etc.) 3) Location Hospice, nursing home, hospital; not initially but 4) impact: pain reduction, quality of life, etc.	Would start broad and stay broad and review the articles returned	chronically ill, hospitalized, patients with disabilities, developmental disabilities	Basic Search.	I would want review articles, rather than individual studies. Needs to be evidence-based. What's the impact?
	РhD		Music and wellness; music and biomedical markers; specific aging- related issues (by diagnosis), community music, chorus/choir, artistic endeavor and aging,	Aging related searches; cultural engagement; social connectedness; pain; enrichment. I currently search for "cultural engagement and aging", "music and wellness",	intervention (physician, nurse, music therapist, etc.); Health issue, disease, condition; Medical procedure, intervention, or care type; Objective, outcome, or target (pain reduction, anxiety reduction, quality of life, physical rehabilitation, shortened hospital stay, etc.)	Articles indexed with music THERAPY, rather than general music interventions. I'd prefer the terms to be more specific than less; I also mine citations of the specific articles.	Notes from sar taxonomy term Berkeley Music By demographic (Older adults) and setting (community vs. hospital vs adult day health care)	mple use is from in c & Healt	rs for terviews:
6	MD		Distinguishing music therapy and	pain, burnout (professional fatigue, compassion	Type of patients (cancer patients, hospice patience, palliative care patients) and 2) age demographic. Music genre is less important. Genre itself could be a topic.		By condition, site of care (facility, home) and age.	Basic search	Search should be easy and accessible to many people, not just researchers.

Requesting term lists for user input

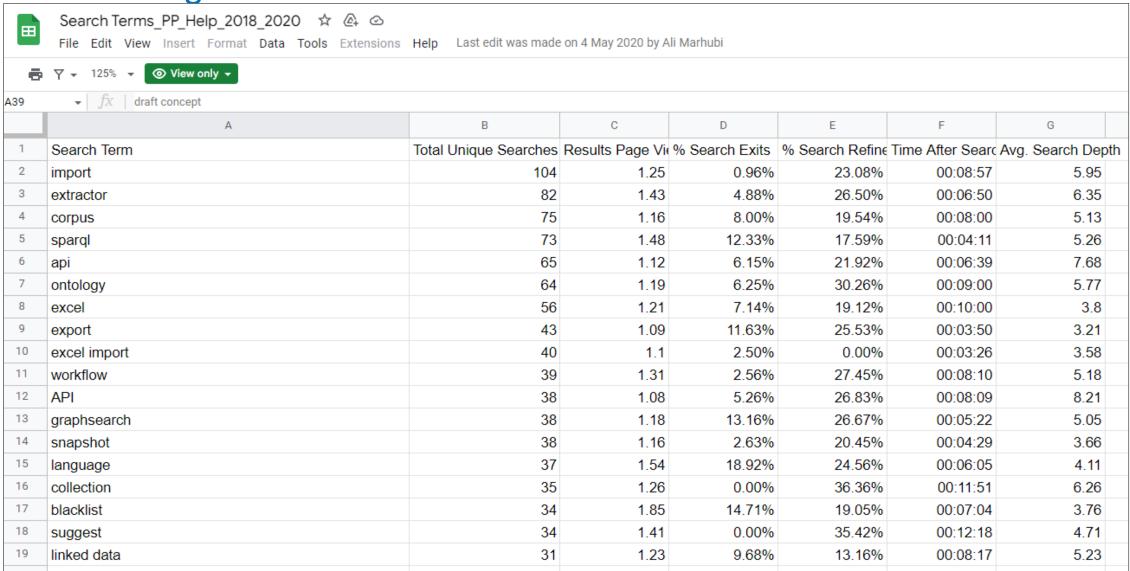
- Usually from subject matter experts (SMEs) or domain experts
- In spreadsheets, allowing columns for narrower terms, synonyms, notes, and comments
- Define the scope to a very specific subject domain.
- Provide example terms to SMEs.
- Provide instructions, guidance, and clarify specificity:
 - need terms for tagging and search: common topics the content is about
 - do not need a classification scheme, do not need terminology/glossary
 - number range of terms, such as 10-50
- Meet to review, discuss, and clarify suggestions
- Taxonomist edits suggestions and sends back to SME for approval
- Possible multiple iterations



_	В	CD	E	F	G	
1 L1	L2	L3 L4		Comments	Synonyms	
23	Tra	nsport and Logistics Services (O(Key:	RT customs and border manage	ement	
24		Freight Services	Red - Added			
25		Passenger Services	Blue - Moved			
26		Transport Integrators	Purple - Changed		freight forwarders, travel agencies,	
27		Transport Logistics Providers	Cross out - to Delete		Port Services, Transport Terminals	
28		Customs and Border Management	<u> </u>	Moved from under Transport Po	olicy and Regulation	
29	Tra	nsport and Sustainable Development	Ĭ .	Changed from Transport and D	Deve Sustainable Transport, Transport and Sustainability	
30		Transport and Poverty				
31		Transport Impact on Trade		move under Transport Economi	ice	
32		Transport and Economic Geography	•	move under Transport Economi	ice	
33		Transport and Urban Development				
34		Transport and Millennium Developr	nent Goals (MDGs)	[will probably remove and make a	synonym to Transport and Sustainable DevelopmentHH]	
35	Tra	nsport and Social Responsibility				
36		Gender and Transport				
37		Transport and HIV-AIDS				
38		Universal Access in Transport		RT Disability		
39		Transport Safety		Move from under Transport Po	licy and Regulation	
40		Traffic and Road Safety		changed by Heather Hedden	Traffic Safety, Road Safety, Highway Safety	
41		Transport Impact on the Environme	nt	Change from Transport and the	e Environment; move down under Transport and Sustain	
42		Carbon Emissions and Transpo	rt		Low-Emissions Transport	
43		Transport Infrastructure and En	vironment			
44	Tra	nsport Information Systems		Move under Transport Infrastru	ucture	
45	Tra	nsport Economics		Transport Finance	Comple toyonomy poetion auggestic	200
46		Congestion			Sample taxonomy section suggestion	115
47		Fuel Taxes			from a SME with taxonomist review	
48		Road Funds				
49		Road Tolls		Toll Roads, Highway Tolls, Roa	ad Pricing, Road User Fees	
50		Transport and Economic Geography	1			
51		Transport Efficiency		Transport Productivity		
52		Transport Employment				
53		Transport Impact on Trade		moved from under Transport ar	nd Sustainabile Development	

Sources for Terms: Users

Search log search terms



Sources for Terms: Users

	A	В	С	D	E	F
1	Search Term	Total Unique Searches	Include?	Type/facet	Term equivalencies	Other notes
2	shif	451	у	department/service		
3	dsa	449	n			on Tools menu
4	travel	414	у	topic		
5	staff regulations	380	у	document type		
6	igds	223	n			on Tools menu
7	pardev	220	у	department		
8	home leave	193	у	topic		
9	implementation agreement	191	у	document type		
10	procurement	178	у	department		
11	normes	157	у	department?		
12	exchange rate	151	у	topic		
13	infotec	147	у	department		
14	normlex	136	у	document database		add to Tools menu?
15	teleworking	135	у	topic		
16	dcomm	132	у	department		
17	actrav	126	у	department		
18	iris	126	у	document database	same as iuc	ERP system
19	cafeteria menu	123	n			Put it on the menu or home page
20	437	121	n		Travel policies	IGDS number
21	hrd	118	у	department		
22	iuc	114	у	document database	same as iris	
23	prodoc	112	у	department		
24	education grant	110	n			on Tools menu

Sources for Terms

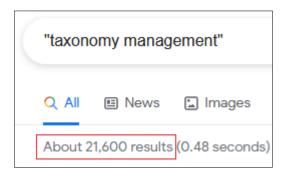
External reference sources

Websites of:

- Wikipedia
- Trade, industry, professional organizations
- Government agencies
- If external/public web taxonomy, competitor/similar service websites

Web search engines (such as Google)

to compare term usage counts to determine the preferred wording



Other published controlled vocabularies on a term-by-term basis

- Basic Register of Thesauri, Ontologies, and Classifications (BARTOC) https://bartoc.org
- Mostly for label names, not for determining terms to include.

Whether a concept should be included as a term

- 1. Is it within the defined subject-area scope and use of the taxonomy?
- 2. Is there enough content on the subject?
 - sufficient number of current and anticipated documents, pages, assets
- 3. Is it important, likely to be looked up?
- 4. Do users want and expect it?
 - Look at search logs

Choosing the preferred term/label wording (the displayed form)

Choosing between two "synonyms":

Doctors vs. **Physicians**

Movies vs. Motion pictures

Cars vs. Automobiles

Consider:

- Wording of terms most likely looked up by the intended users/audience, especially in browsed taxonomies
- 2. Enforcing organizational/enterprise controlled vocabulary
- 3. Conforming to academic or professional standards
- 4. Consistency in style throughout the controlled vocabulary
- 5. Wording within the documents/content tagged

Term format and style

- Unambiguous; understood even out of context of the hierarchy.
 Example: Nursing Certification, rather than Certification as narrower to Nurses
- Consistent capitalization: initial capitalization is recommended.
 Example: Corporate finance, rather than corporate finance or Corporate Finance
- Single words or multi-word phrases; Nouns or noun phrases
 Example: Employment; Part-time employment
- Countable nouns are usually plural *Example:* Occupational accidents (countable); Occupational health (not countable)
- Adjectives alone may exist within term lists of characteristics/properties (metadata or facets), but not within hierarchical taxonomies or thesauri. For example, colors, sizes.
- Parenthetical qualifiers may be used for disambiguation, not modification.
 Example: Walnut (wood)
- Avoid term inversions (e.g. noun, adjective) because labels are searchable Example: Racial discrimination, not Discrimination, racial

Term format and style: choices to make and to document

- Capitalization style
- Use of abbreviations and acronyms
- Use of special characters
- Use of parenthetical qualifiers
- Use of singular or plural for Concept Scheme names
- Label length limit
- Approved authoritative sources for preferred label names of technical concepts
- Special style for named entities (person names, organization names, place names, etc.)
- Any different style rules for Alternative labels
- When to use Hidden labels
- When to add scope notes and preferred style for notes
- When to add definitions and preferred style for definitions

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Term and Label Creation: Synonyms or Alternative Labels

- Defined: Approximately synonymous words or phrases to refer to an equivalent concept, for the context of the controlled vocabulary and the set of content.
- Purpose: To capture different wordings of how different people might describe or look up the same concept or idea and used as alternative entries.
 - Differences between that of the author and the user/reader
 - > Differences between that of the indexers and the end-users
 - Differences among different users/readers
- Serving as "multiple entry points" to look up and retrieve the desired content, as do double posts or See references in an index.
- Enabling consistent indexing

Term and Label Creation: Synonyms or Alternative Labels

Examples

from
Gale Subject
Thesaurus

Conflict management

Conflict resolution
Managing conflict

Wills

Codicils
Last will and testament
Testaments (Wills)

Influenza

Flu Grippe

Movies

Cinema
Films (Movies)
Motion pictures
Movie genres

Telecommunications industry

Communications industry

Digital transmission industry

Interexchange carriers

Telecommunications services industry

Telephone holding companies

Telephone industry

Telephone services industry

Environmental management

Adaptive management (Environmental

management)

Environmental control

Environmental stewardship

Natural resource management

Stewardship (Environmental management)

Piano music [no variants]

Structural Taxonomy Design: Facets

Facets

- For serving faceted classification, which allows the assignment of multiple classifications to a content item or record
- "Dimensions" of a query; a type of term
- Intended for searching with multiple terms in combination (post-coordination), one from each facet
- Refinements, filters, limit by, narrow by
- Together, reflect the domain of content

Career Level

- Student
- Entry Level
- Experienced
- Manager
- Director
- Executive

Function

- Customer Service & Support
- Delivery
- Engineering
- Finance
- General Management
- Legal & Regulatory Affairs
- Marketing & Advertising [more]

Industry

- Agriculture
- Apparel & Fashion
- Automotive
- Aviation & Aerospace
- Banking
- Biotechnology
- Broadcast Media
- Chemicals [more]

Taxonomy Facets

Facet advantages

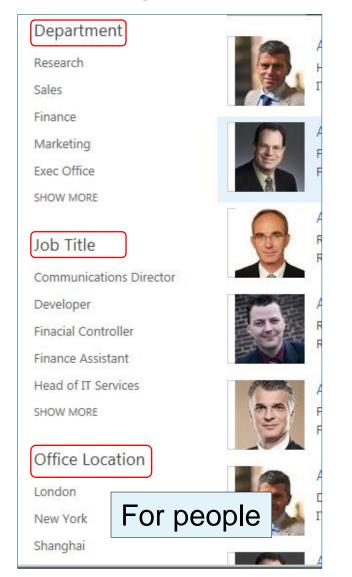
- Supports more complex search queries by users
- Allows users to control the search refinement, narrowing or broadening in any manner or order
- Familiar to novice users; suitable for expert users

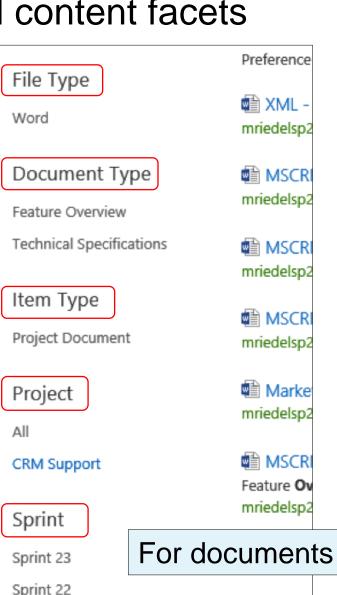
Facet disadvantages

- Only suitable for somewhat structured, unified type of content that share the same multiple facets
- May not support "advanced search" of multiple terms selected at once ("or") from the same facet
- Requires investment of thorough indexing/tagging

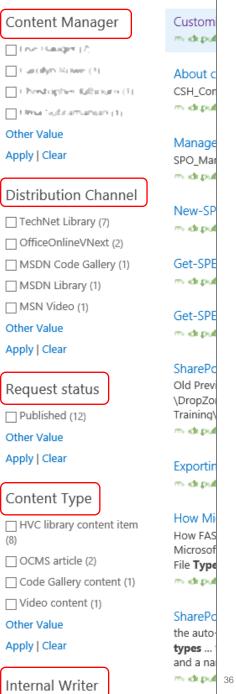
Taxonomy Facets

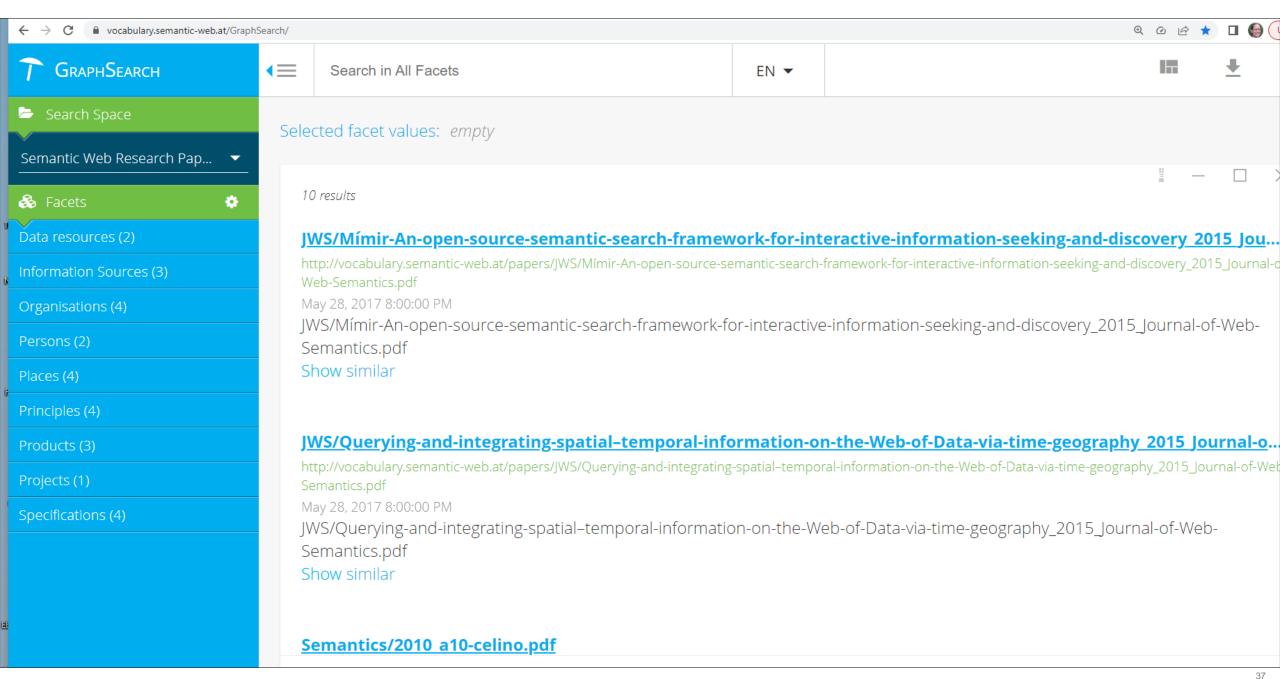
Examples of internal content facets









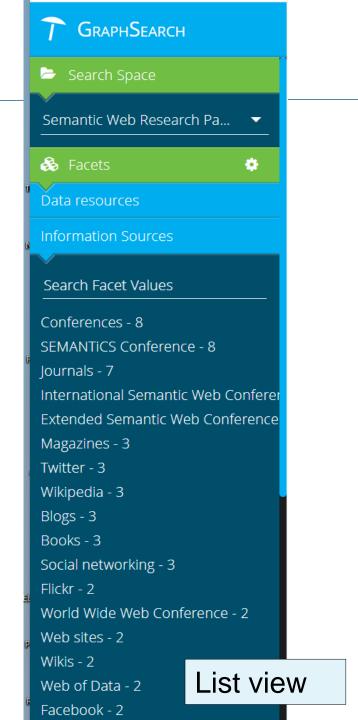


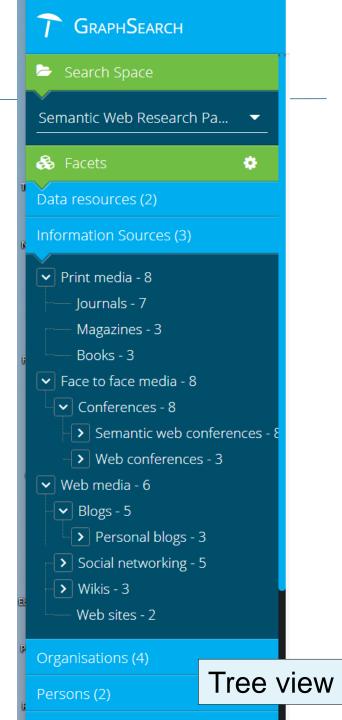
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Facets

Taxonomy terms within a facet can be displayed as:

- a list, ranked by order of documents linked to, or
- with the hierarchy of the taxonomy terms

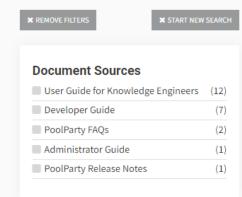




Facets

The number of facets can be limited for the users.





Custom schemes	(7
Attributes	(6
Custom ontologies	(6
Core ontologies	(5)
Details view	(5)
Classes	(3)

Topics			
Ontologies	(24)		
URI	(7)		
RDF	(4)		
Semantic Web	(3)		
OWL	(2)		
SKOS	(2)		
■ Taxonomies	(2)		

Search results

Custom scheme and ontology services

Custom Scheme and Ontology Services Abstract Custom Scheme and Ontology Services The following services can be used to manage custom classes, relations and attributes. Note To learn more about defining custom schemes and ontologies in PoolParty please see: Create a Custom Ontology and Create a Custom Scheme Web Service Method: ...

Web service method request ontology information

Web Service Method: Request Ontology Information Abstract Web Service Method: Request Ontology Information Description Get Ontology information in json format. URL: /PoolParty/api/schema/ontology Content-Type application/x-www-form-urlencoded Supported Methods GET HTTP Parameters Parameter Description Type Required uri URI of the requested ontology. String true Response Content-Type application/json JsonOntologyCollection Attribute Type Comment attributes Array ...

User groups ontologies tab

User Groups - Ontologies Tab Abstract User Groups - Ontologies Tab This section contains a short guide on the Ontologies tabs in the Details View of a group. The Ontologies tab is the fourth tab in the row of tabs available here (1). It displays a list of all ontologies ...

Web service method list custom schemes and ontologies

Web Service Method: List Custom Schemes and Ontologies Abstract Web Service Method: List Custom Schemes and Ontologies Description Retrieve a list of all available ontologies and custom schemes. Note This service is the equivalent to the PoolParty frontend functionality Import, Export & Publish Schemes and Ontologies URL: /PoolParty/api/schema/list Request Supported ...

What is a thesaurus, what is the difference between a taxonomy and an ontology

What is a thesaurus, what is the difference between a taxonomy and an ontology? Abstract What is a thesaurus, what is the difference between a taxonomy and an ontology? A thesaurus is expressive enough to improve most enterprise applications significantly, but it is not too complex to create and maintain ...

Available core ontologies

Available Core Ontologies Abstract Available Core Ontologies This section provides an overview of the available core ontologies in PoolParty. Ontology Description BIBFRAME vocabulary Initiated by the Library of Congress, BIBFRAME provides a foundation for the future of bibliographic description, both on the web, and in the broader networked world that ...

Create a custom ontology

Taxonomy Facets

Facet design tips

- Number of facets: 3-8, with 5-6 as ideal
- Facets listed in logical, not alphabetical order
- Number of terms per facet: 2-25
 - Ideally not much more than can be viewed in a scroll box
 - If the list is obvious (US states), then more is OK.
 - Exception can be made for hierarchical "Topics" facet
- If <12 terms, then a logical display order
 If >12 terms, then alphabetical order
- Hierarchy (indented) within a facet is possible

Conclusions

Building a taxonomy based on...

- Analysis of the actual content
- User interviews
- User/stakeholder workshops
- User search logs

Builds a more suitable, customized taxonomy.

Builds greater engagement, commitment, and support for the ongoing use, maintenance, and expansion of the taxonomy.

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Taxonomy Resources

- ANSI/NISO Z39.19-2005 (2010) Guidelines for Construction, Format, and Management of Monolingual Controlled Vocabularies www.niso.org/publications/ansiniso-z3919-2005-r2010
- The Accidental Taxonomist Blog <u>http://accidental-taxonomist.blogspot.com</u>
- Accidental Taxonomist book websites www.hedden-information.com/accidental-taxonomist/websites
- Hedden Information Management past presentations <u>www.hedden-information.com/presentations</u>
- Hedden Information Management taxonomy training <u>www.hedden-information.com/courses-workshops</u>
- Taxonomy Talk, taxonomists community on Discord <u>https://discord.com/invite/3qyMVYCAsw</u>

Upcoming Taxonomy Events

- PoolParty Summit, March 7-8, 8:00 am 2:00 pm EST, free virtual conference featuring use cases of PoolParty taxonomy/ontology/knowledge graph software www.poolparty.biz/events/poolparty-summit-2023
- "Taxonomy For Delivering Targeted Technical Content" free webinar, hosted by The Content Wrangler, Wednesday, April 12, 1:00 - 2:00 EDT www.brighttalk.com/webcast/9273/557969
- Information Architecture Conference, March 30 April 1 (March 28-29 pre-conference workshops), New Orleans
 www.theiaconference.com
- "Taxonomy Basics," online hosted by Bite-sized Taxonomy Boot Camp London, Wednesday, April 26, 9:00 -11:30 am EDT.
 Other half-day morning events March 22, June 21, October 11 www.taxonomybootcamp.com/London
- Taxonomy Boot Camp Conference, November 6-7, Washington, DC www.taxonomybootcamp.com

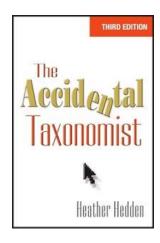
Questions/Contact

Heather Hedden

Data and Knowledge Engineer Semantic Web Company Inc. One Boston Place, Suite 2600 Boston, MA 02108 857-400-0183

heather.hedden@semantic-web.com www.semantic-web.com www.poolparty.biz

www.linkedin.com/in/hedden
twitter.com/hhedden
http://accidental-taxonomist.blogspot.com
heather@hedden.net



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