



Polythematic Structured Subject Heading System & Creative Commons

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Overview

- Context of grey literature
- Knowledge organisation systems
 - Assisting authors
 - Enhancing user interface
 - Linked data
 - Simple Knowledge Organisation System
- Polythematic Structured Subject Heading System
- Creative Commons licences



Context of grey literature

- greyliteratureischaracterizationofthedistribu tionmode
- notavailablethroughconventionalpublishingchann els
- lackscommercialandbibliographiccontrol
- escapestheestablishedmeanstopreserveinformation



Role of knowledge organisation systems

- e.g.controlledvocabularies,thesauri,orsubject classifications
- standardsensuringconsistencyofsubjectindexing
- improvingaccesstotheindexeddocuments
- terminologyservices



Assisting authors

- metadata snippets generation
- tagging
- automatic indexing
 - Examples: CDSInvenio BibClassify, Maui Indexer





Examples – Manually assigned subject headings

- knowledge systems
- subject information languages
- grey literature
- intellectual property law
- licences



Examples – CDS Invenio BibClassify

- grey literature
- science
- WWW
- licences
- plant developmental stages
- <u>author</u>
- work
- datatheory
- documents
- copyright
- resources



Examples – Maui Indexer

- grey literature
- search engines
- word-order
- republic
- copyright



Examples – Alchemy API tags

- grey literature
- PSHdevelopment process
- PSHmeeting
- message psh
- indexing grey literature
- knowledge organisation systems
- subject heading system
- CClicences
- grey literature authors
- grey literature documents



Enhancing user interface

- search query refinement
 - spelling corrections
 - auto-completion
 - semantic query expansion
- hierarchical navigation
- social tagging



Linked data

- linked data is away of publishing documents and dataas mutually interlinked webresources
- utilizes semantic webtechnologies (RDF, URIs)
- linked dataprinciples and best practices
 - link torelated resources
 - HTTPURIs aspersistent and interoperable identifiers
- tagging
 - Examples: <u>DublinCore</u>, <u>Meaning-of-a-Tag</u>, <u>CommonTag</u>



Simple Knowledge Organisation System (SKOS)

- provides means for expressing standardrelationships that the can be found inmost the sauri or subject headings systems
- based onRDF, <u>RDFSchema</u>, <u>OWL</u>
- W3Cworking recommendation
- widely used inlibraries (<u>National Library of Sweden</u>, <u>Library of Congress</u>, <u>National Technical Library inPrague</u>)





SKOS example

```
<?xml version="1.0" encoding="UTF-8"?>
<rdf:RDF
   xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
   xmlns:skos="http://www.w3.org/2004/02/skos/core#">
   <skos:Concept rdf:about="http://psh.ntkcz.cz/skos/PSH6454">
   <skos:prefLabel xml:lang="cs">firemní literatura</skos:prefLabel>
   <skos:prefLabel xml:lang="en">grey literature</skos:prefLabel>
   <skos:broader rdf:resource="http://psh.ntkcz.cz/skos/PSH6449" />
   <skos:inScheme rdf:resource="http://psh.ntkcz.cz/skos" />
   </skos:Concept>
   </rdf:RDF>
```



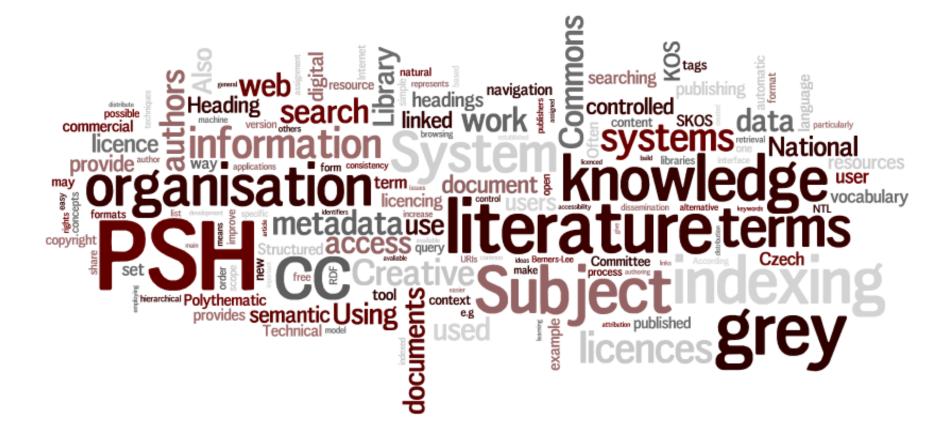
210mm



http://www.flickr.com/photos/espanaphotography/2480843134/



210mm





Polythematic Structured Subject Heading System (PSH)

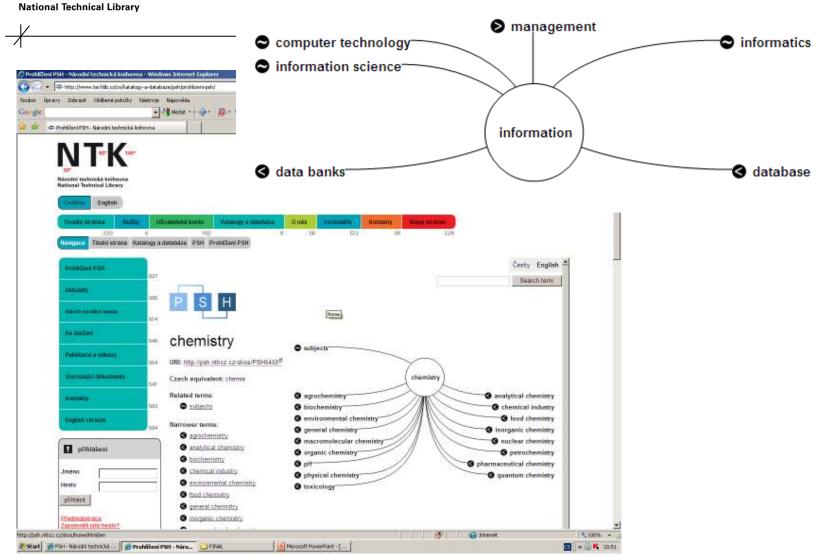
- is bilingual (Czech-English)
- is atool toorganize and search for documents
- contains over 13500subject headings
- subject headings are included inahierarchyof six or se ven levels



PSH structure

- atree structure
- is divided into 44thematic sections
- hierarchical relations
- associative relations ("see also")
- equivalence relations ("see")









information science

URI: http://psh.ntkcz.cz/skos/PSH6445

Czech equivalent: informační věda

Related terms:

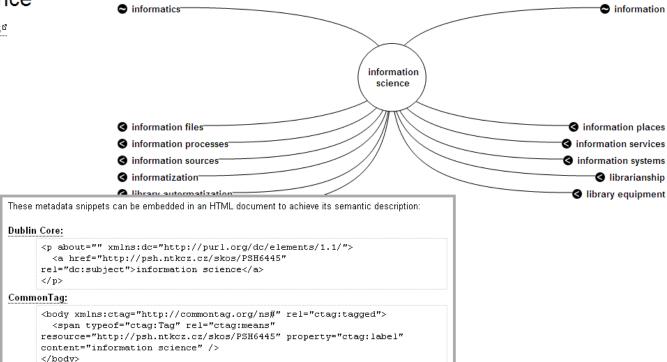
- informatics
- information

Narrower terms:

- information files
- information places
- information processes
- information services
- information sources
- d information systems
- -
- informatization
- librarianship
- library equipment
- user instruction

Term display in SKOS formatth

Hide tag from controlled vocabulary



210mm



PSH in indexing and retrieval systems can serve to provide:

- means bythat the useof terms may be standardized
- controlled hierarchies so that asearch can be narrowed or broadened systematically
- aguide for users of the system for choosing the correct term for asubject search
- anavigation tool through the setof subject headings and t heir relations
- and tocorrect spelling errors



Creative Commons (CC)

Share, Remix, Reuse – Legally

- CCdefines the spectrum of possibilities between full copy right and publicdomain
- offers free licences
- authors can choose one of the CClicences and thereby provide the opportunity toshare the work with others
- CClicences work along copyright



Creative Commons Rights Expression Language (ccREL)

- RDF-based format
- can be serialised tofitinvarious document formats (HTM L, PDF)
- ccREL serves as an explicit metadata connection between the document and the abbreviated version of licence
- enables indexing bysearch engines which inturn increase s visibility of the licenced work



PSH under Creative Commons Licence

CC-BY-NC-SA

Attribution Non-Commercial Share Alike 3.0(Czech)

•	Attribution	You must attribute the work in the manner specified by the author or licensor.
\$	Noncommercial	You may not use this work for commercial purposes.
9	Share Alike	If you alter, transform, or build upon this work, you may distribute the resulting work only under the same, similar or a compatible license.



CC-BY-NC-SA (



You arefree:

- tocopy,distribute,displayand perform the PSH
- tomake derivative works

But:

- you must give the original author credit
- you may notusethis work for commercial purposes
- if you alter,transform,or build upon this work,you may distribute the resulting work only under an identical licence that governs PSH



Key motivating factors to release PSH under CC licence include:

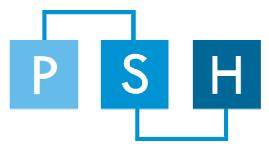
- Encourage library community and also Internetusers contribution of knowledge toparticipate inNTLproject s including PSH.
- Dissemination of PSH,where possible,inopenformats a nd asopendata.
- Give others easy access and the right tousePSHwithout seeking NTL´spermission.
- NTLwants totake every opportunity tocommunicate new ideas broadly and seek feedback.



Related links

PSH

- http://www.techlib.cz/cs/katalogy-a-databaze/psh/
- http://www.techlib.cz/cs/katalogy-a-databaze/psh/prohlizeni-psh/





Thank you for your attention.

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