



myOntology: Community-driven Vocabulary Design and Maintenance for E-Commerce

<http://www.myontology.org>

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Starting Point

- For many domains of interest, we lack sufficiently complete and current ontologies
 - even at the level of pure vocabularies (i.e., “identifiers for entities”)
- Several bottlenecks of “elitist” ontology construction
 - Slow vs. high dynamics in many domains (e.g. products)
 - Lack of input (often too burdensome for users to report missing elements)
 - Documentation often badly in shape
 - URIs often not dereferencable



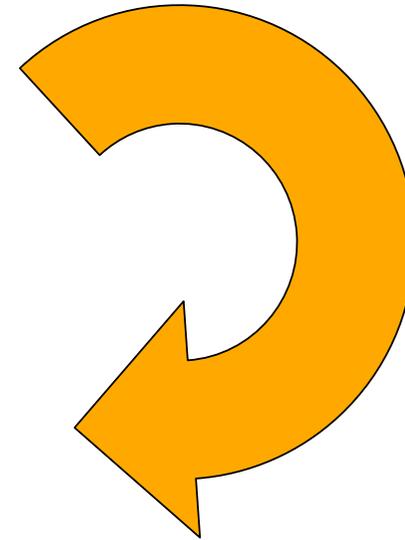
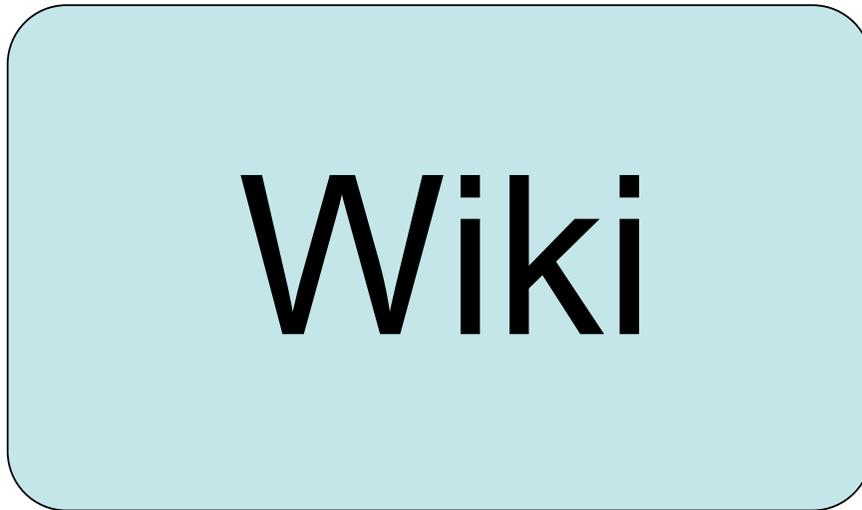
Wikis are a great thing to establish URIs....

- Minimal entrance barrier for establishing URIs
- Everybody can easily look up what the URI stands for
- Wiki(pedia) URIs are stable identifiers for conceptual entities
 - Hepp/Siorpaes/Bachlechner (2007)
- Much of the problems used to motivate Semantic Web research can be solved by unique identifiers alone
 - Synonyms, homonyms, typed relationships



Fundamental Idea

Human-Computer Team



Minimal Entrance Barrier for
Evolution and Growth



Support for
Convergence



Prototype with OWL Import and Export

myOntology ^[beta] Home - Tools - Recently viewed items - [Go to Elements](#)
logged in as [\[username\]](#)

Concept Hierarchy

restrict by

- Sauna
- + Bad
- + Pool
- Dealer
- + Product
- Offer
- Validity Person
- ...

Welcome to myOntology!

Lightweight Community-driven Ontology Building and Maintenance

myOntology beta version. Please note that this is a prototype. Data loss might occur.

Domain Vocabularies (Ontology, Domain Model)

[Go to Domain Vocabularies](#)

Icecat Ontology Module Tourism Ontology bath digitalCamera firmena-z.w scp

Concepts (Class, Category)

No results found.

[Create new Concept](#)

ands Career Computers ContactInfo **Engineer** Entertainment ExpertiseArea Ga
 Learning Resource Liberal_Arts Management **Materials** MedicalDoctor Movie Name Nurse Politician PR
 Scientist Technology artificial plants cable ties cardboard clasp fasteners colour film database software
 gateways-controllers html editors ink & stamp pads media presenters motherboards multistation access i
 categorized notebook arms & stands ozone filters printwheels project management software signal processor u
 chests & cabinets & trunks video servers writing slates

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Features

- Lightweight Meta-Model
- OWL Import and Export
- Integration with Flickr, Wordnet, Youtube, Wikipedia
- Legal Framework for Contribution

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References

- Hepp, Martin; Siorpaes, Katharina; Bachlechner, Daniel: Harvesting Wiki Consensus: Using Wikipedia Entries as Vocabulary for Knowledge Management, IEEE Internet Computing, Vol. 11, No. 5, pp. 54-65, Sept-Oct 2007. Additional data and materials at <http://www.heppnetz.de/harvesting-wikipedia/>
- Hepp, Martin: Possible Ontologies: How Reality Constrains the Development of Relevant Ontologies, in: IEEE Internet Computing, Vol. 11, No. 1, pp. 90-96, Jan-Feb 2007

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Thank you!

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