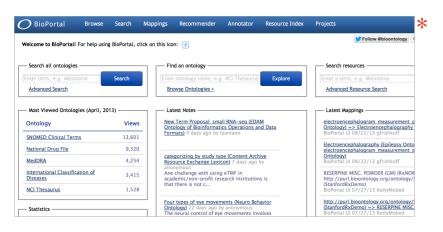
Ontology Repositories

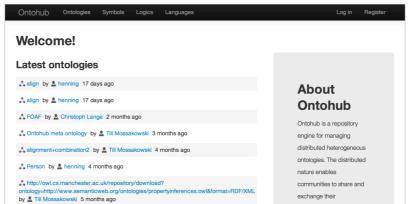
UI Design Considerations

Topics

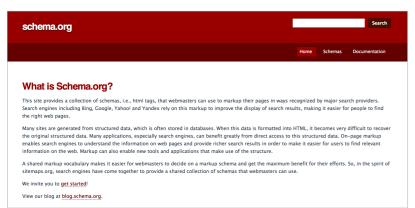
- Ontology Repositories
- Recognizability
- Macro-Structure
- Content/Action Types
- Widgets

Ontology Repositories

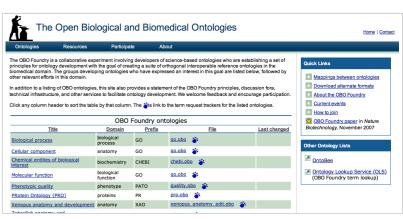




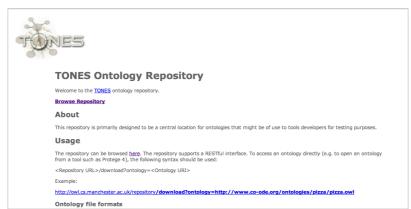


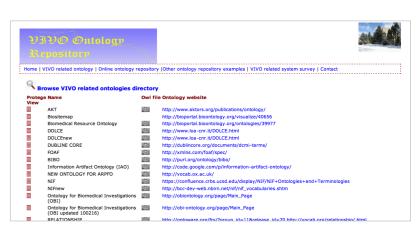






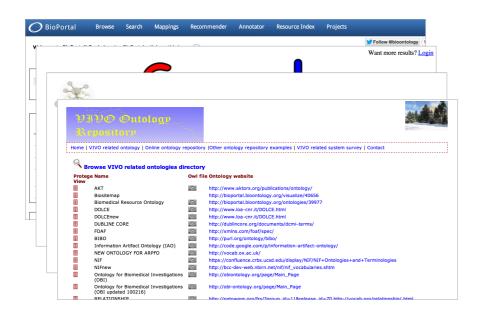






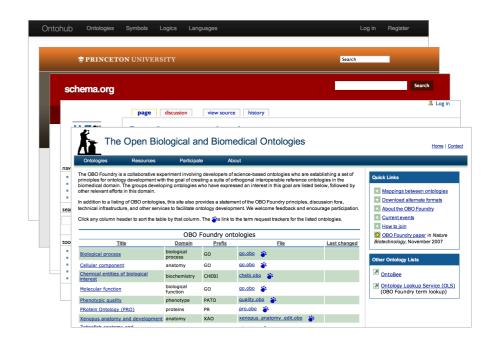
Recognizability

Logo



Bioportal Swoogle Tones Vivo

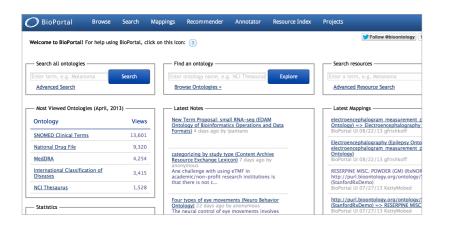
No Logo



Ontohub
Wordnet
Schema.org
OW3 Ontology Repository*
OBO Foundry*

Macro-Structure

By Action



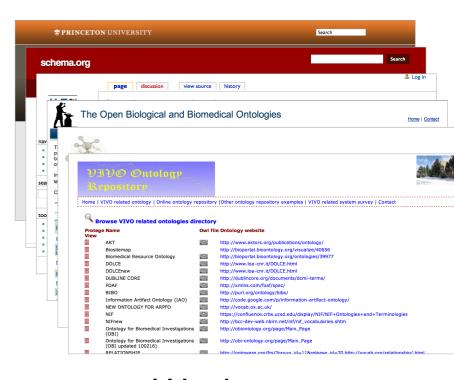
By Content



Bioportal

Ontohub Swoogle

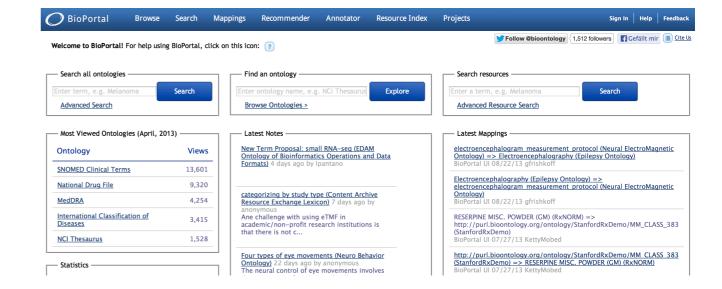
Mixed



Wordnet
Schema.org
OW3 Onto. Rep.
OBO Foundry
Tones
Vivo

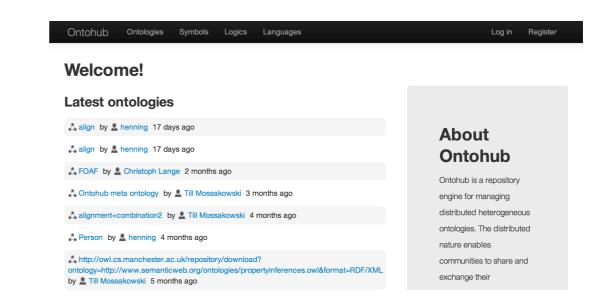
Action Structure

- Filter by category
 - Ontologies* (browse)
- Search by name
 - Term in Ontologies* (search all ontologies)
 - Term in Resources* (search resources)
 - + Ontology
- Search by keywords
 - Term* (annotator)
 - Ontology* (recommender)
- List
 - Last Notes
 - + Last Mappings
 - Most Viewed Ontologies
 - Ontologies* (alphabetically ordered not paginated)
 - Projects* (alphabetically ordered not paginated)
 - Resources* (alphabetically ordered not paginated)
- Add/Update in edit mode
 - Project
- Add/Update with file upload
 - + Ontology



Content Structure

- Ontology
 - + Search
 - + Add/Update with file upload
 - List latest
 - + Test with Oops
- Symbol
 - + Search
- Logic
 - + Search
 - + Add/Update with form
- Language
 - + Search
 - + Add/Update with form



Bioportal

- Fits 90% screens
- Logo (icon+name)
- Action structure
- Content Types
 - + Ontology
 - + Resource
 - + Term

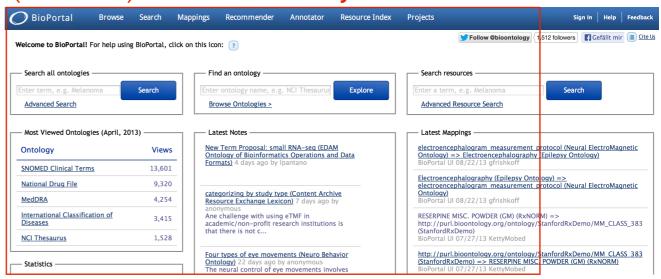
Tuesday, September 17, 13

+ Project

Action Types

- Search, Filter, List, List Latest, List Most Viewed
- + Add, Update, Delete
- + Login, Register

(1024x768) 9% Resolutions in Jan 2013



8

http://www.w3schools.com/browsers/browsers_display.asp

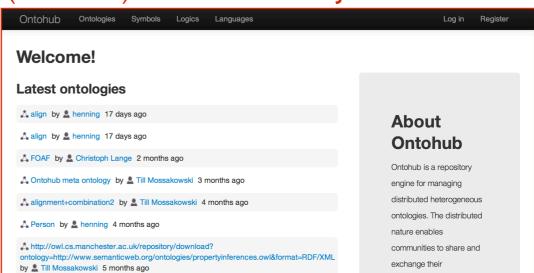
Ontohub

- Fits 99% screens
- No Logo (name)
- Content structure
- Content Types
 - + Ontology
 - + Symbol
 - + Logic
 - + Language

Action Types

- + Search, List Latest
- + Add, Update, Delete, Test with Oops
- + Login, Register

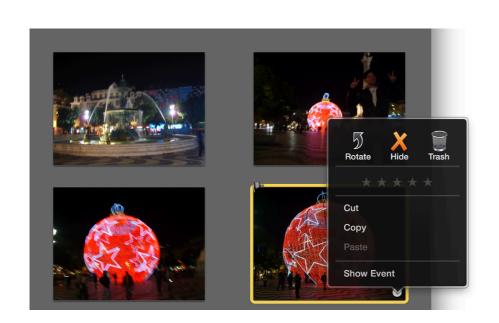
(1024x768) 9% Resolutions in Jan 2013

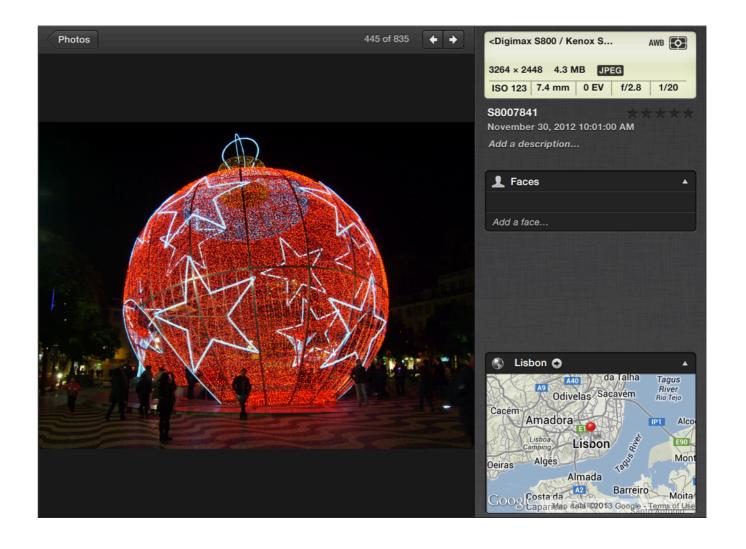


9

http://www.w3schools.com/browsers/browsers_display.asp

Widgets





Widgets

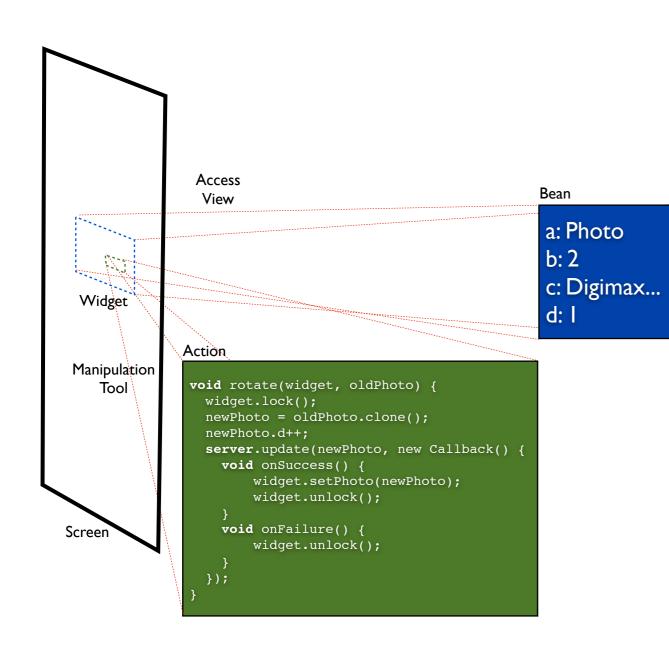


Photo		
id	camera	rotation
I	Digimax S800	I
2	Digimax \$800	I
3	Digimax S800	2
4	Digimax S800	I
5	Digimax S800	3

Small Widgets Symbols

Melanoma - National Cancer Institute Thesaurus

http://ncicb.nci.nih.gov/xml/owl/EVS/Thesaurus.owl#C3224

A malignant, usually aggressive tumor composed of atypical, neoplastic melanocytes. Most often, melanomas arise in the skin (cutaneous melanomas) and include the following histologic subtypes: superficial ...

details - visualize - 34 more from this ontology

Class http://www.co-ode.org/ontologies/pizza/pizza.owl#American>

Class http://www.co-ode.org/ontologies/pizza/pizza.owl#American

http://www.co

• <u>S:</u> (n) man, <u>adult male</u> (an adult person who is male (as opposed to a woman)) "there were two women and six men on the bus"

Person - schema.org

This class contains derivatives of IPTC rNews properties. rNews is a data model of publishing metadata with serializations currently available for RDFa as well ...

schema.org/Person

Small Widget Proposals

EVALUATION

detailed, comprehensive stable, up-to-date useful, well-organized

Symbol Small Widget

Person - Ontology Masters Thesaurus

ontologymasters.org/thesaurus#Person

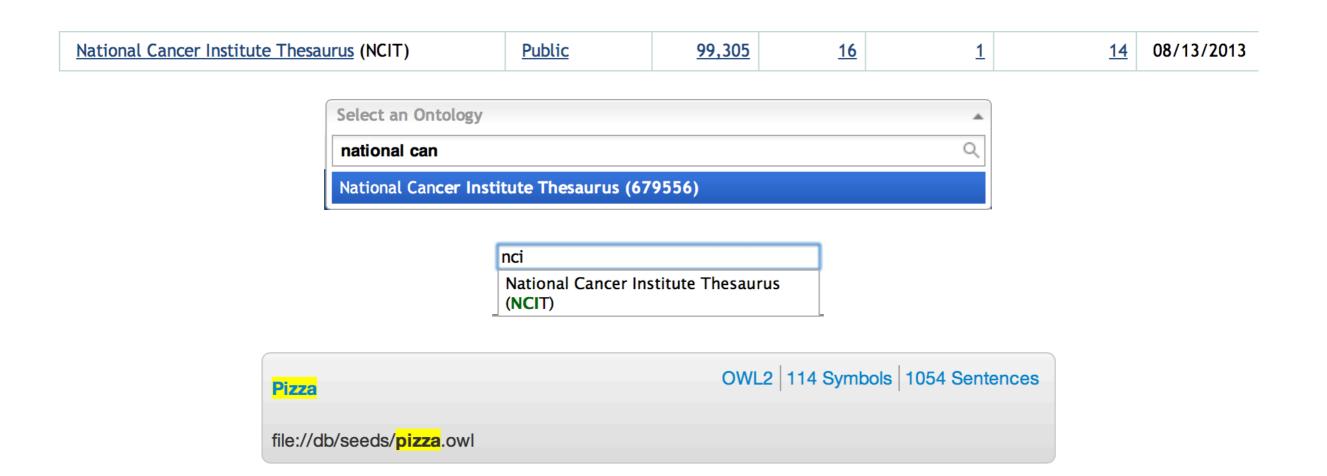
A conscious being capable of exchanging information, services and/ or goods. It may be a human, a robot, a corporation, an institution, a deity or a character in a story.

Ontology Small Widget Ontology Masters Thesaurus (OMT) OWL2/DL

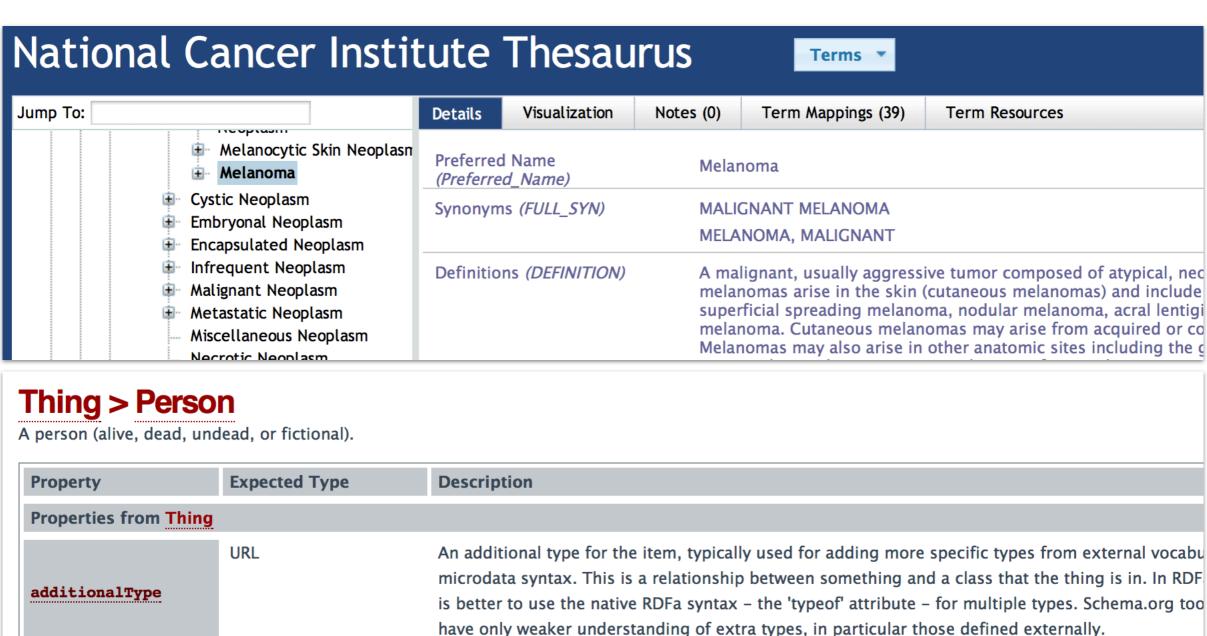
ontologymasters.org/thesaurus

A complete ontology of everything that exists in the world and everything that one has thought of during the whole existence of mankind. It also includes impossible worlds and undeterminable...

Small Widgets Ontologies



Large Widget Class Symbols



Tuesday, September 17, 13

A short description of the item.

URL of an image of the item.

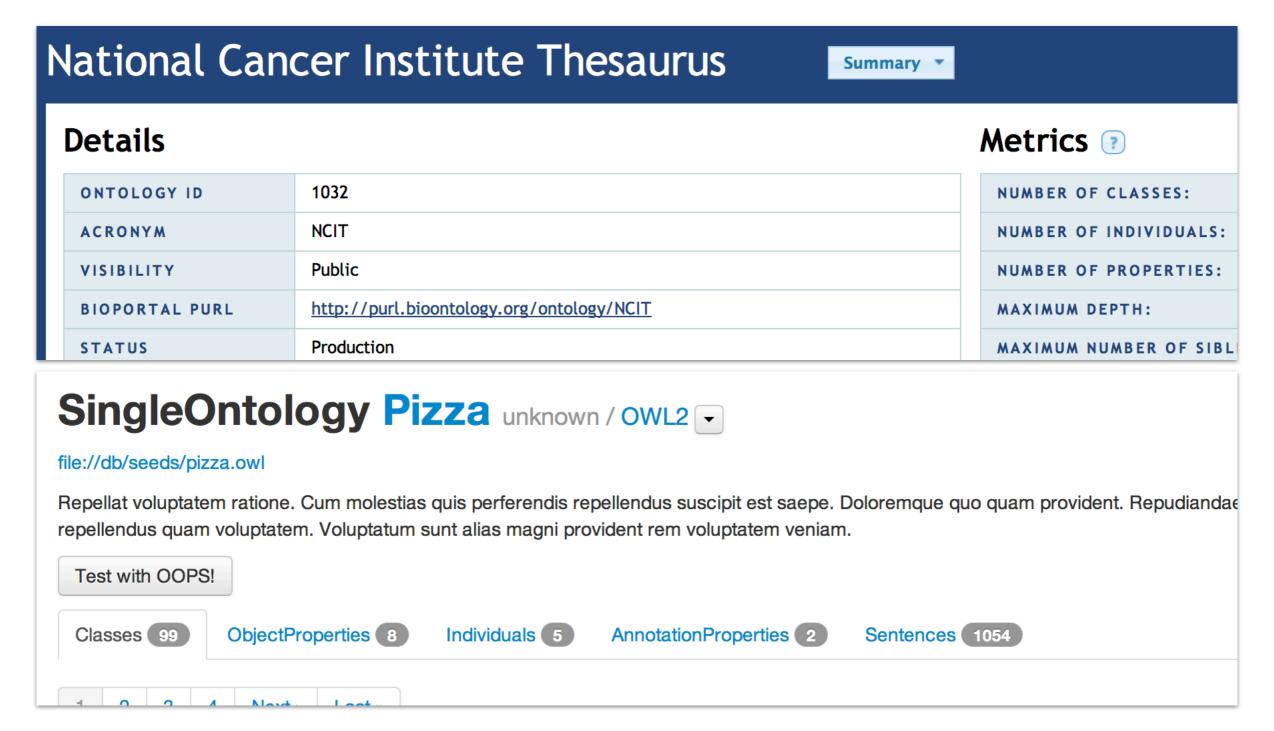
Text

URL

description

image

Large Widget Ontologies



Large Widgets Proposals

Space for Discussion

One last thing!

Server-Side UI

Client-Side
UI

- Wordpress
- Drupal
- Joomla!
- Moodle
- Typo3
- ExpressEngine
- MediaWiki

GWT

http://www.gwtproject.org

YUI*

http://yuilibrary.com

• JQuery*

http://jquery.com

http://www.javacodegeeks.com/2012/01/gwt-pros-and-cons.html