



# WIKIPEDIA'S STRUCTURED DATA CHALLENGE

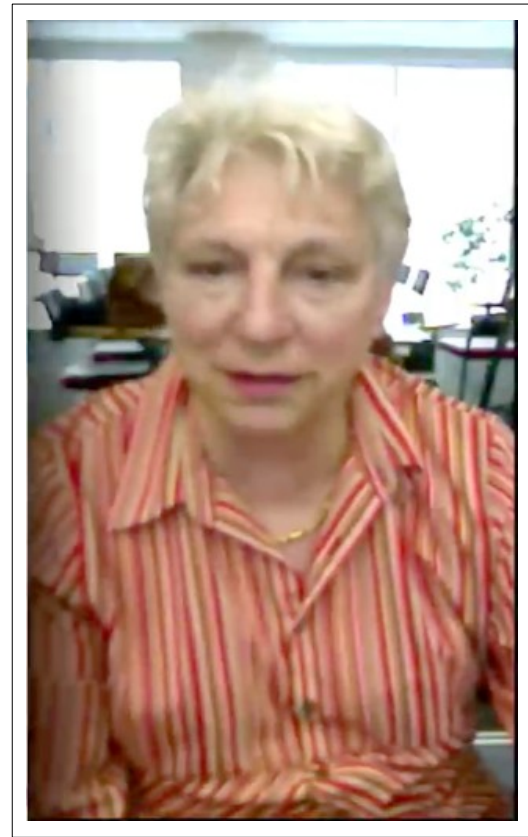
ERIK MOELLER  
TREVOR PARSCAL  
SEMTECH CONFERENCE, JUNE 25, 2010



WIKIMEDIA FOUNDATION



**PART I:**  
**OF HUMANS AND WIKITEXT**  
**(AND TEMPLATES)**





Editing Manchester Small-Scale Experimental Machine - Wikipedia, the free encyclopedia

http://en.wikipedia.org/w/index.php?title=Manchester\_Small-Scale\_Experimental\_M

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Editing Manchester Small-Scale E... +

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article discussion edit this page history

## Editing Manchester Small-Scale Experimental Machine

From Wikipedia, the free encyclopedia

**B**

`[[File:SSEM Manchester museum.jpg|thumb|300px|alt=A series of seven tall metal racks filled with electronic equipment standing in front of a brick wall. Signs above each rack describe the functions carried out by the electronics they contain. Three visitors read from information stands to the left of the image.|Replica of the Small-Scale Experimental Machine (SSEM) at the [[Museum of Science and Industry (Manchester)|Museum of Science and Industry]] in [[Manchester]]]]`  
 The '''Manchester Small-Scale Experimental Machine''' ('''SSEM'''), nicknamed '''Baby''', was the world's first [[Von Neumann architecture|stored-program]] [[computer]]. It was built at the [[Victoria University of Manchester]] by [[Frederic Calland Williams|Frederic C. Williams]], [[Tom Kilburn]] and Geoff Tootill, and ran its first program on 21&nbsp;June 1948.<ref>{{citation |last=Enticknap |first=Nicholas |title=Computing's Golden Jubilee |journal=Resurrection |issue=20 |publisher=The Computer Conservation Society |date=Summer 1998 |url=http://www.cs.man.ac.uk/CCS/res/res20.htm#d |issn=0958-7403 |accessdate=19&nbsp;April 2008.}}</ref>

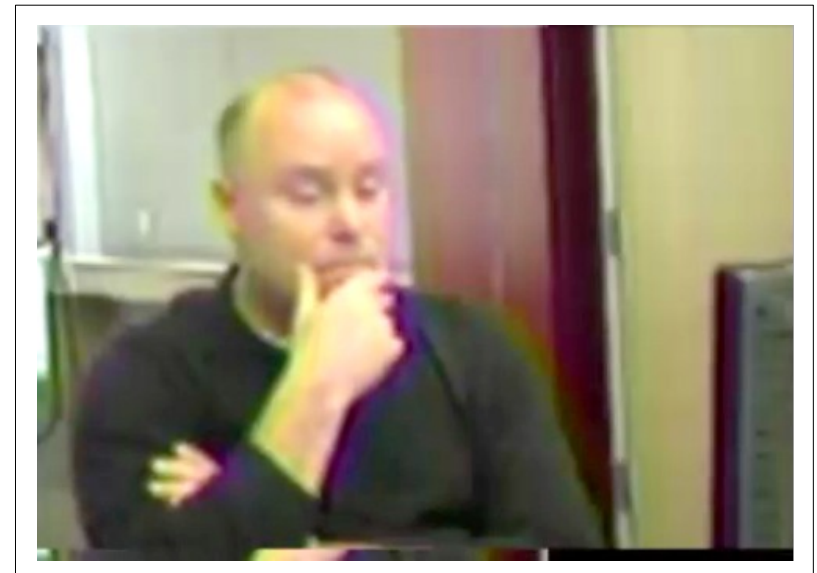
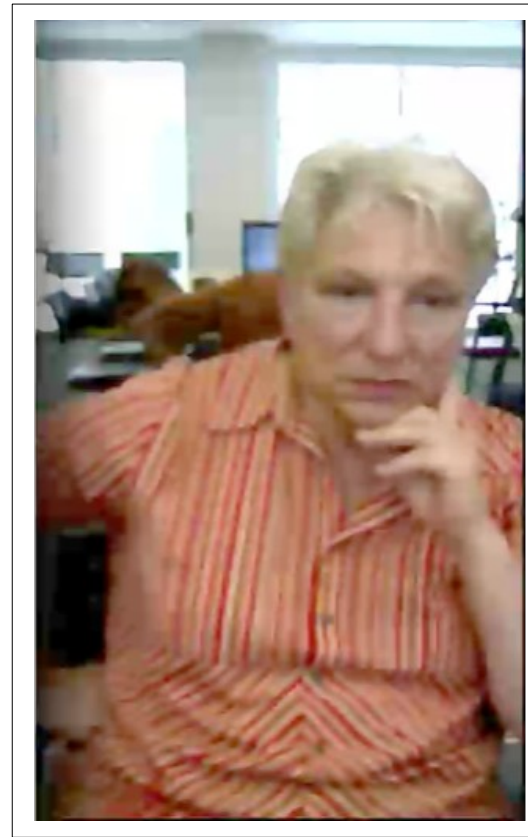
The machine was not intended to be a practical computer but was instead designed as a [[testbed]] for the [[Williams tube]], an early form of computer memory. Although considered "small and primitive" by the standards of its time, it was the first working machine to contain all of the elements essential to a modern electronic computer.<ref name=EarlyComputers /> As soon as the SSEM had demonstrated the feasibility of its design, a project was initiated at the University to develop it into a more usable computer, the [[Manchester Mark 1]]. The Mark 1 in turn quickly became the prototype for the [[Ferranti Mark 1]], the world's first commercially available general-purpose computer.<ref name=NapperMK1>{{citation |last=Napper |first=R. B. E. |title=Introduction to the Mark 1 |url=http://www.computer50.org/mark1/mark1intro.html |publisher=The University of Manchester |accessdate=4&nbsp;November 2008.}}</ref>

The SSEM had a 32-[[bit]] [[word (computing)|word]] length and a [[computer memory|memory]] of 32&nbsp;words. As it was designed to be the simplest possible stored-program computer, the only

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**Edit summary** (Briefly describe the changes you have made)

**Save page** **Show preview** **Show changes** **Cancel** | **Editing help** (opens in new window)





""[[Wikitext]]",<br />  
"it's kinda' messy"{{citation needed}}



# Roles of contribution

- Descriptive markup (content)
  - Facts, figures, spelling and grammar fixes, etc.
  - Moderate expertise in Wikitext required
- Presentation markup (html, css)
  - Placement and styling of tables, images
  - Moderate expertise in HTML/CSS required
- Procedural markup (templates)
  - Creating info-boxes, citations, notices, etc.
  - Significant expertise in Wikitext required



# Description, Presentation and Procedure (concept)

== Markup Language ==

A markup language is a modern system for `[[Annotation|annotating]]` a text in a way that is syntactically distinguishable from that text.

Examples of markup languages include:

- \* SGML, XML and HTML
- \* TeX and LaTeX
- \* Wikitext

## Markup Language [\[edit\]](#)

A markup language is a modern system for **annotating** a text in a way that is syntactically distinguishable from that text

Examples of markup languages include:

- SGML, XML and HTML
- TeX and LaTeX
- Wikitext





# Description, Presentation and Procedure (reality)

```
<!--BANNER ACROSS TOP OF PAGE-->
{| id="mp-topbanner" style="width:100%;
background:#f6f6f6; margin-top:1.2em; border:1px
solid #ccc;"
| style="width:61%; color:#000;" |
<!--"WELCOME TO WIKIPEDIA" AND ARTICLE COUNT-->
{| style="width:280px; border:none;
background:none;"
| style="width:280px; text-align:center; white-
space:nowrap; color:#000;" |
<div style="font-size:162%; border:none;
margin:0; padding:.1em; color:#000;">Welcome to
[[Wikipedia]],</div>
<div style="top:+0.2em; font-size:95%;">the
[[free content|free]] [[encyclopedia]] that
[[Wikipedia:Introduction|
anyone&nbsp;can&nbsp;edit]].</div>
<div id="articlecount" style="width:100%; text-
align:center; font-
size:85%;">[[Special:Statistics|
{{NUMBEROFARTICLES}}]] articles in [[English
language|English]]</div>
|}
```

Welcome to **Wikipedia**,  
the free encyclopedia that anyone can edit.  
3,331,743 articles in English



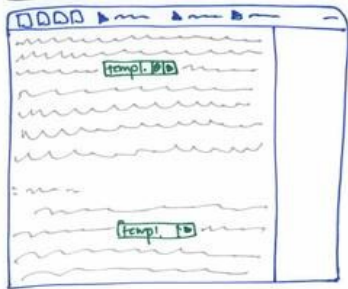
# Why is visual editing so hard?

- Commingling
  - Description, presentation and procedural information are mixed together
- Ambiguity
  - Multiple styles of syntax can result in the same HTML output
  - Parsing doesn't happen semantically - we don't know what is creating what where and how, it's just a macro expander and a pile of regular expressions

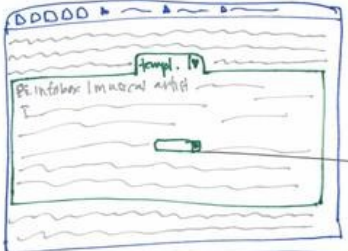
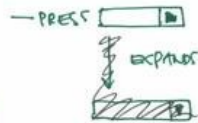


# Interaction Methods

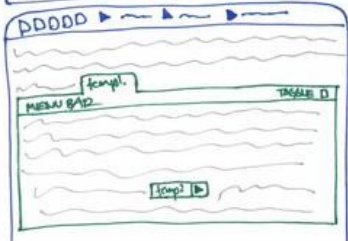
## CASE 1: WIKI TEXT



Editor showing template "capsules" collapsed.

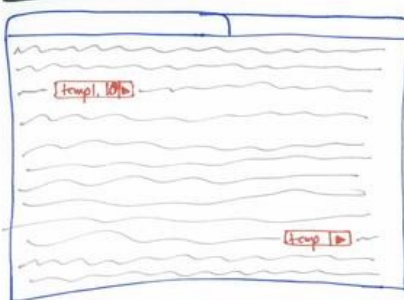


- Just Wikitext + Template capsules.
- only mode no mode

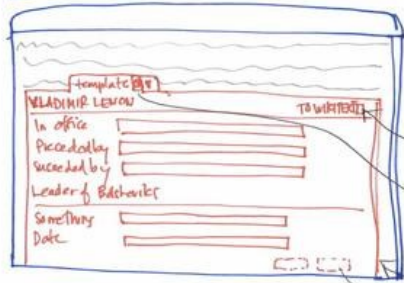


- Just Wikitext, with option to toggle to "form" mode.
- Template capsules only allow for expansion.
- maybe popup?

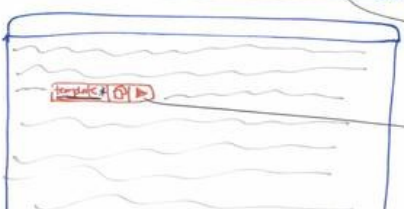
## CASE 2: IN-EDITOR-FORM



Same as Case 1 in collapsed form.

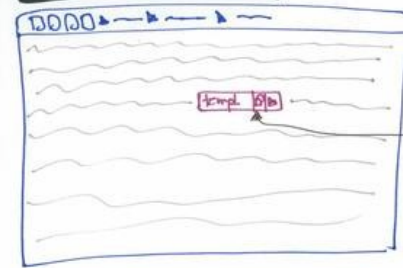


- Expanded
- Looks like popup in editor.
- to switch ABATCTANCI
- could popup.

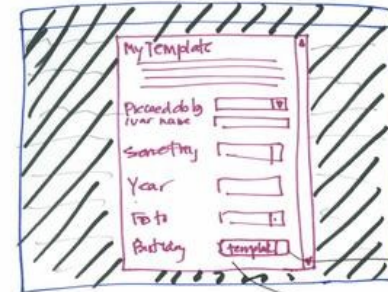


- expands
- collapsed back down!
- need message
- visual indication

## CASE 3: POP UP



has popup icon in the capsule



try to afford 1 level of nested popup  
cancel + OK buttons



- Main page
- Contents
- Featured content
- Current events
- Random article
- Interaction
  - About Wikipedia
  - Community portal
  - Recent changes
  - Contact Wikipedia
  - Donate to Wikipedia
  - Help
- Toolbox

Page Discussion

Read

Edit

View history

Search

# Editing Main Page

Wikitext Preview Changes

Publish Cancel

**B** *I* [Advanced](#) [Special characters](#) [Help](#)

Hide contents

==Template test==

test

```

{{test
| Date           = 2010-04-27
| coolness_of_UT = Extremely}}

```

It's very hard to edit the template, because the cursor keeps jumping.

I have not had that problem. Keep up the good work guys!

template working great on chrome 6.0. the 'changes' tab isn't, however. 02:42, 27 May 2010 (UTC)

test

Content that violates any **copyright** will be deleted. Encyclopedic content must be **verifiable**. You irrevocably agree to release your contributions under the **GFDL**.

Edit summary (Briefly describe the changes you have made)

Save page Show preview Show changes Cancel | [Editing help](#) (opens in new window)

- Main Page
- Example Importing from Re...
- Sample Articles
- Section
  - Sub-section
    - Sub-sub-section
      - Sub-sub-sub-section
      - Sub-sandwich
- Another section
- Template test

[Log in / create account](#)



- Main page
- Contents
- Featured content
- Current events
- Random article
- Interaction
  - About Wikipedia
  - Community portal
  - Recent changes
  - Contact Wikipedia
  - Donate to Wikipedia
  - Help

Toolbox

Page [Discussion](#)

[Read](#) [Edit](#) [View history](#)

Search

# Editing Main Page

Wikitext [P](#)

**B** *I*

==Template

test

{{test

| Date

| coolness\_

It's very h

I have not had that problem keep up the good work guys

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Content that violates any [copyright](#) will be deleted. Encyclopedic content must be [verifiable](#). You irrevocably agree to release your contributions under the [GFDL](#).

Edit summary (Briefly describe the changes you have made)

[Save page](#) [Show preview](#) [Show changes](#) [Cancel](#) | [Editing help](#) (opens in new window)

**Edit Template** ✕

Date

Coolness of UT

[Cancel](#) [Update](#)

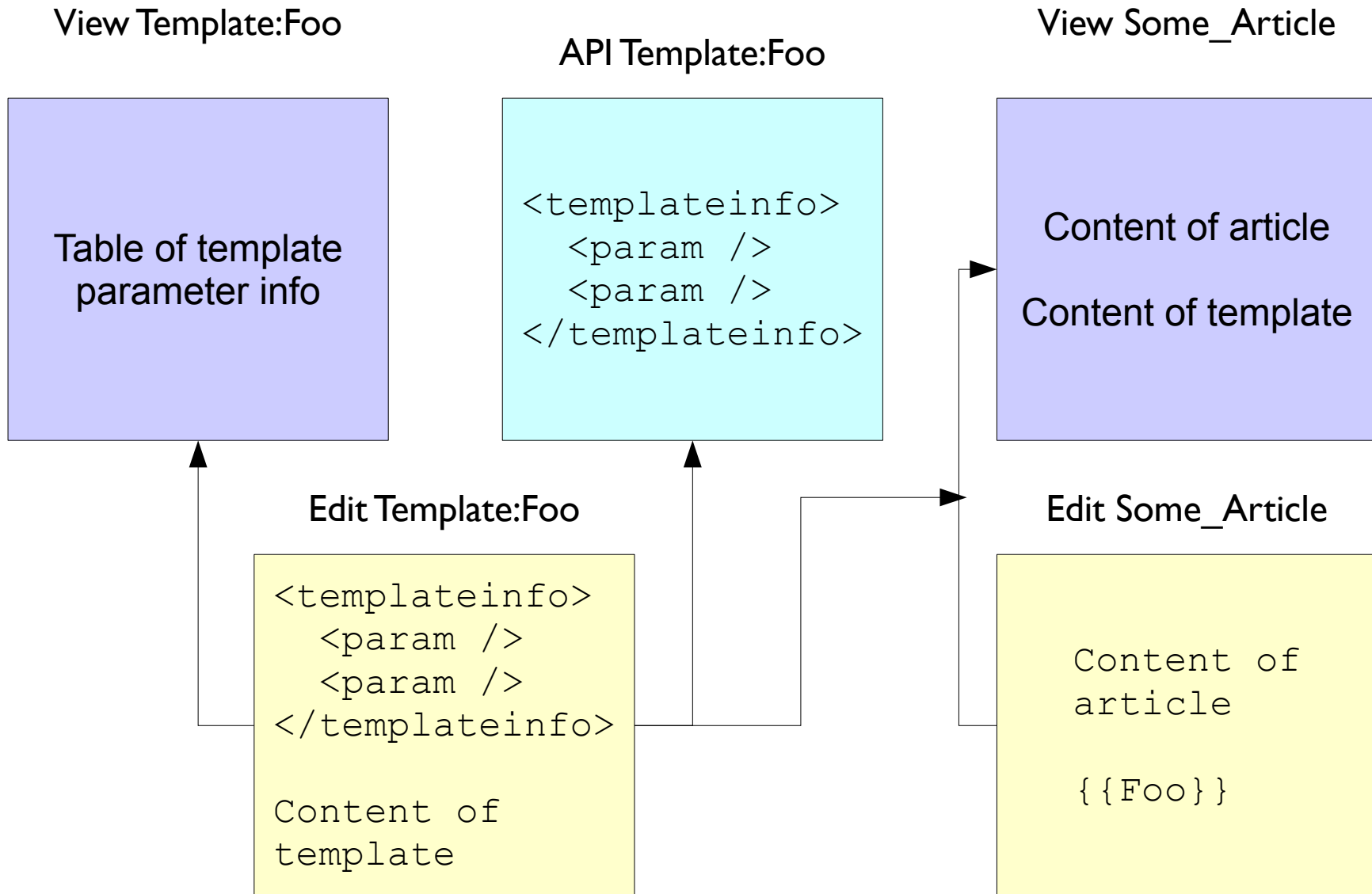
[Publish](#) [Cancel](#)

Hide contents

- Main Page
- [Example Importing from Re...](#)
- [Sample Articles](#)
- Section
  - Sub-section
  - Sub-sub-section
  - Sub-sub-sub-section
  - Sub-sandwich
- Another section
- Template test



# Template Info Extension





# Beyond Templates

## Interlanguage links

[[af:Kreasionisme]]  
[[ar:نظريّة الخلق]]  
[[az:Kreasionizm]]  
[[bg:Креационизъм]]  
[[ca:Creacionisme]]  
[[cs:Kreacionismus]]  
[[da:Kreationisme]]  
[[de:Kreationismus]]

## Categories

[[Category:Creationism]]  
[[Category:Origin of life]]  
[[Category:Theism]]  
[[Category:Theology]]  
[[Category:Christian terms]]  
[[Category:Creation myths]]

## Citations

```
{{citation
  |date=2004
  |author=[[Eugenie Scott|Eugenie C. Scott]] (with
forward by Niles Eldredge)
  |title=Evolution vs. Creationism: An Introduction
  |place=Berkley & Los Angeles, California
  |publisher=University of California Press
  |page=114
  |url=http://books.google.com/books?
id=03b_a0monNYC&printsec=frontcover&dq=evolutio
n+vs.
+creationism&hl=en&ei=k1EZTMTRD86LkAWu2-
1C&sa=X&oi=book_result&ct=result&resnum=1&ved=
0CC4Q6AEwAA#v=onepage&q&f=false |isbn=0-520-
24650-0 |accessdate=16 June 2010
}}
```



# PART 2: WIKI DATA NOW!



Editing plant

**Definition**

**Classifications**

**Alternative definitions**

**Synonyms and translations**

**Class membership**

**Acronyms**

**Navigation**

[Meta:Main Page](#)  
[Recent changes](#)  
[OmegaWiki blog](#)

**Contributing**

[International Beer Parlour](#)  
[Help](#)  
[Development](#)

**Toolbox**

[What links here](#)  
[Related changes](#)  
[Upload File](#)  
[Special pages](#)



# The Multilingual Ontology: OmegaWiki

DefinedMeaning **Discussion**

## Editing plant

### - Definition

Remove	Language	Text
<input type="checkbox"/>	Breton	Boud bev a genaoz e voued diwar danvezennoù anorganek, dezhañ speurennadoù kelligoù keluloz a respont goustadik hag alies da viken d'ur stimulus, hep organoù skiant arbennikaet na reizhiad nervennek ha divarrek da zilec'hiañ. (Mammenn CED)
<input type="checkbox"/>	Bulgarian	Всеки жив организъм, който синтезира храната си от неорганични вещества, притежава стени от целулозни клетки, поддава се бавно и често трайно на външни влияния, не притежава органи за осезание и нервна система и не може да се придвижва.
<input type="checkbox"/>	Castilian	Organismo viviente que generalmente sintetiza su alimento a partir de sustancias inorgánicas, posee paredes de células de celulosa, responde muy lentamente y en muchos casos permanentemente a estímulos, carece de órganos sensitivos especializados y de sistema nervioso y no tiene medios propios para transportarse.
<input type="checkbox"/>	Dutch	Levend organisme dat zijn voedsel synthetiseert uit anorgische stoffen, cellulose celwanden heeft, traag en vaak permanent reaguurt op prikkelingen, gespecialiseerde zintuigen, een zenuwstelsel en bewegingsmogelijkheden ontbeert. (Bron: CED).
<input type="checkbox"/>	English	Any living organism that synthesizes its food from inorganic substances, possesses cellulose cell walls, responds slowly and often permanently to a stimulus, lacks specialized sense organs and nervous system, and has no powers of locomotion.



- Navigation
- Main Page
- Browse data
- Conferences
- Presentations
- People
- Companies
- Locations
- Blog
- Feeds
- Blog
- Current and Upcoming Conferences
- Open calls for papers
- Presentation materials available
- Contribute
- Community portal
- Add presentation
- Add conference
- Add conference series
- Add company page
- Add people
- Recent changes
- More search
- Full text search
- Semantic search
- Random page
- Search by property
- Media
- Slides
- Video
- Audio
- Misc
- Help
- stbusupport
- Toolbox
- What links here
- Recent changes
- Upload file
- Special pages
- Browse properties

## Edit Presentation: MediaWiki Widgets

Please enter presentation information into the form below. Type free text in a text area under the form.

**Contents** [hide]

- 1 Basic information
- 2 Slides
- 3 Video
- 4 Audio
- 5 More info

### Basic information

**Conference:**

**Presentation Date:**

**Presenter(s):**

**Description page URL:**

**Topics:**

### Slides

**Screenshot image:**

**PowerPoint Slides URL:**

**ODP Slides URL:**

**PDF Slides URL:**

**HTML Slides or Transcript URL:**

**SlideShare ID:**

or any other

**Slides URL:**

### Video

**Google Video DocID:**

**YouTube Video ID:**

**Blip.tv ID:**  (from embed code)

**Yahoo! Video ID:**

**Yahoo! Video Flash Vars:**  (new player code)

**Vimeo ID:**

**Ustream ID:**

**Flash Video (fv) URL:**

**iPod Video (m4v) URL:**

**OGG Video URL:**

or any other

**Video URL:**

### Audio

**OGG Audio URL:**

**MP3 Audio URL:**

### More info

Summary:

This is a minor edit  Watch this page



### Navigation

- Main Page
- Browse data
- Conferences
- Presentations
- People
- Companies
- Locations
- Blog

### Feeds

- Blog
- Current and Upcoming Conferences

# The Semantic Way: Semantic MediaWiki and Semantic Forms

## Edit Presentation: MediaWiki Widgets

Please enter presentation information into the form below. Type free text in

### Basic information

**Conference:**

**Presentation Date:**

**Presenter(s):**

**Description page URL:**

**Topics:**





# Application: WikiPics

Wikipics 0.1a (experimental)

Wikimedia Deutschland e.V.



German

go

Note: this is a thesaurus lookup, not a full text search. Multiple words are handled as a single phrase. Only exact matches of complete phrases will be found.

**Gnus:** *Gnus sind afrikanische Antilopen, die in großen Herden leben und zur Gruppe der Kuhantilopen gehören.*



**Wilderbeest**  
jpeg, 3615x2380, 2M  
BY



**Black-wildebeest-  
aka-gnu**  
jpeg, 652x388, 82K  
PD



**Blue wildebeest**  
jpeg, 773x566, 87K  
CC-BY-SA, GFDL



**Gnu Thoiry 19801**  
jpeg, 1984x1398, 2M  
PD



**Gnu zebre**  
jpeg, 736x488, 120K  
CC-BY-SA, GFDL



**Wildebeest mikumi**  
jpeg, 1600x1067,  
373K  
GFDL



**Wildebeest, Amboseli  
National Park**  
jpeg, 2451x1637, 1M  
CC-BY-SA



**Ngorongoro  
Wildebeest**  
jpeg, 1210x806, 678K  
CC-BY-SA



**Gnu 02**  
jpeg, 734x489, 112K  
CC-BY-SA, GFDL



**Gnusmall**  
jpeg, 461x307, 56K  
CC-BY-SA, GFDL



**Gnu head**  
jpeg, 640x480, 89K



**Gnu 04 2005-07-01**  
jpeg, 1024x768, 161K  
CC-BY-SA, GFDL



**Weissbartgnu Zoo  
Leipzig**  
jpeg, 2844x1696, 2M  
CC-BY-SA, GFDL



**Troupeau de gnous-  
sigean**  
jpeg, 456x177, 11K  
CC-BY-SA, GFDL



**Gnu 01**  
jpeg, 728x488, 134K  
CC-BY-SA, GFDL



**Wildebeest Steve  
Evans**  
jpeg, 1080x720, 93K  
BY



**Gnu 07 2005-07-01**  
jpeg, 1024x768, 145K  
CC-BY-SA, GFDL

**Narrower:** [Streifengnu](#), [Weißschwanzgnu](#)

**Related:** [Zebra](#), [Afrika](#), [Hornträger](#), [Kenia](#), [Prädator](#), [Savanne](#), [Serengeti](#), [Tansania](#), [Weißschwanzgnu](#)

**Broader:** [Fauna of East Africa](#), [Mammals of Kenya](#), [Megafauna of Africa](#), [Fauna of Angola](#), [Fauna of Namibia](#), [Fauna of South Africa](#), [Fauna of Tanzania](#), [Fauna of Zambia](#), [Mammals of Africa](#), [Fauna of Africa](#), [Kuhantilopen](#), [Hornträger](#), [Netzmagen](#)

**Wiki pages:** [de:Gnus](#), [en:Wildebeest](#), [es:Connochaetes](#), [fr:Gnou](#), [it:Connochaetes](#), [nl:Gnoes](#), [pl:Connochaetes](#), [pt:Gnu](#)



gnu

German

go

Note: this is a thesaurus lookup, not a full text search. Multiple words are handled as a single phrase. Only exact matches of complete phrases will be found.

**GNU:** GNU ist das im Rahmen des GNU-Projekts in Entwicklung befindliche, vollständig freie Betriebssystem.



En-gnu.ogg



[\[more/details...\]](#)

**Narrower:** GNU Privacy Projekt, LibERTOS, Minimal SYStem, XCSoar, UFRaw, CLISP, Data Display Debugger, GNAT Modified General Public License, GNAT Programming Studio, GNU-Projekt, GNU-Varianten, GNU Common Lisp, GNU Make, GNU PDF, GNU Pascal, GNU Toolchain, GnuWin32, NoteEdit, Texinfo, WinPT [\[more...\]](#)

**Related:** Red Hat, Richard Stallman, Software, Standard C Library, TeX, Ubuntu, Unicode, Unix, X.Org-Server, Yacc

**Broader:** Freies Betriebssystem, Microkernel-based operating systems, Computing acronyms, Free software operating systems, GNU project software, GNU-Projekt, Akronym, Freie Software, Linux-Software, Unix-Programm, Betriebssystem, Copyright, Unix [\[more...\]](#)

**Gnus:** Gnus sind afrikanische Antilopen, die in großen Herden leben und zur Gruppe der Kuhantilopen gehören.



[\[more/details...\]](#)

**Narrower:** Streifengnu, Weißschwanzgnu

**Related:** Zebra, Afrika, Hornträger, Kenia, Prädator, Savanne, Serengeti, Tansania, Weißschwanzgnu

**Broader:** Fauna of East Africa, Mammals of Kenya, Megafauna of Africa, Fauna of Angola, Fauna of Namibia, Fauna of South Africa, Fauna of Tanzania, Fauna of Zambia, Mammals of Africa, Fauna of Africa, Kuhantilopen, Hornträger, Netzmagen [\[more...\]](#)

**GNU-Projekt:** Das GNU-Projekt wurde von Richard Stallman mit dem Ziel gegründet, ein vollständig freies Betriebssystem, genannt GNU, zu entwickeln.



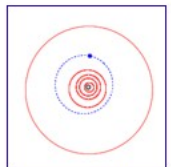
[\[more/details...\]](#)

**Narrower:** Free software movement, GCIDE, GNU-Darwin, GNU.FREE, GNU Panama, GNU people, GNU project software, Gnits Standards, Gnulib, GNAT Modified General Public License, GNU Coding Standards, GNU Manifesto, GNU, GNUstep, GPL linking exception, Gpl-violations.org, GNU-Lizenz für freie Dokumentation, GNU Affero General Public License, GNU General Public License, GNU Lesser General Public License [\[more...\]](#)

**Related:** Linux (Kernel), Massachusetts Institute of Technology, Open Source, Rekursives Akronym, Richard Stallman, Unix, Unixoides Systeme

**Broader:** Copyleft media, Free software projects, GNU, Free Software Foundation, Urheberrecht [\[more...\]](#)

**GNU (Asteroid):** (9965) GNU ist ein Asteroid des Hauptgürtels, der am 5. März 1992 im Rahmen des Spacewatch-Programms entdeckt wurde.



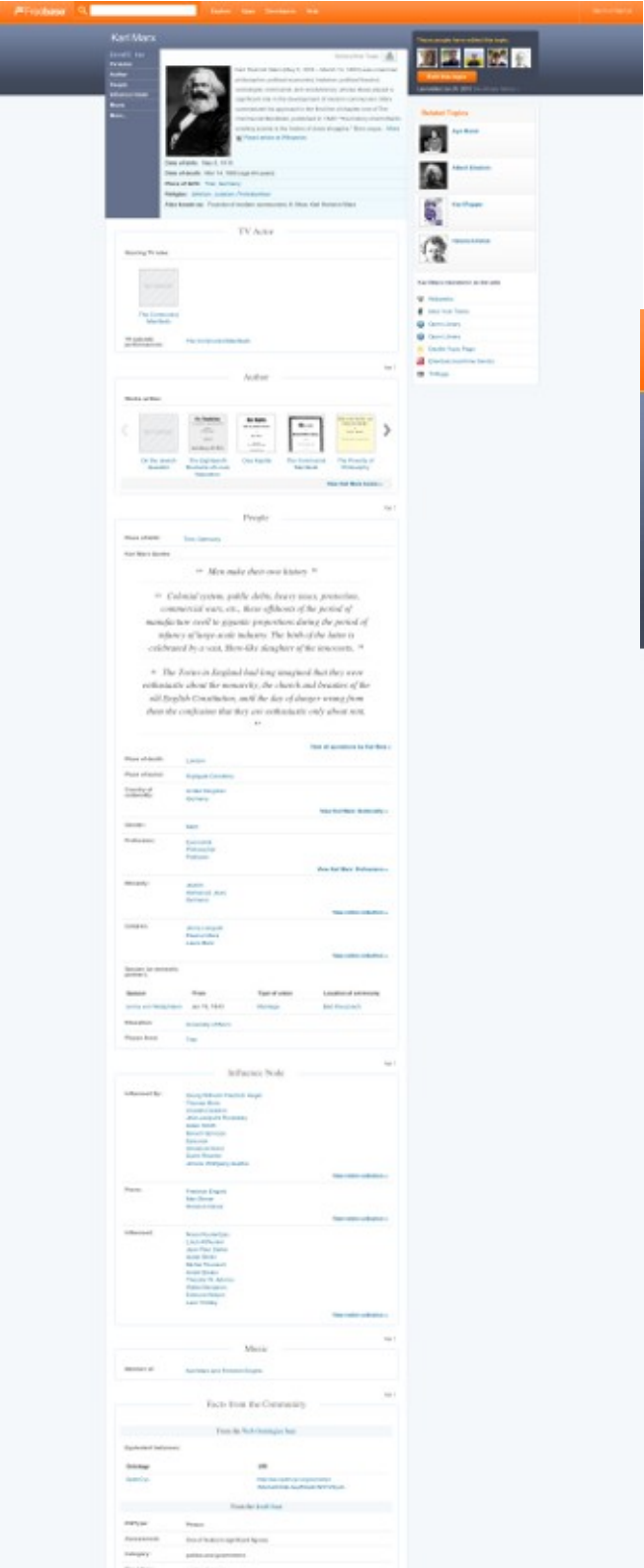
[\[more/details...\]](#)

**Related:** Stallman (Asteroid), Torvalds (Asteroid), Spacewatch

**Broader:** C-type asteroids, Hauptgürtelasteroid, Asteroidengürtel [\[more...\]](#)



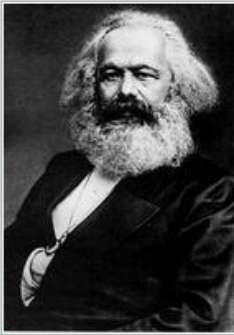
# The Web 2.0 Way: Freebase



## Karl Marx

- Scroll to:
- TV Actor
- Author
- People
- Influence Node
- Music
- More...

Embed this Topic



Karl Heinrich Marx (May 5, 1818 – March 14, 1883) was a German philosopher, political economist, historian, political theorist, sociologist, communist, and revolutionary, whose ideas played a significant role in the development of modern communism. Marx summarized his approach in the first line of chapter one of The Communist Manifesto, published in 1848: "The history of all hitherto existing society is the history of class struggles." Marx argue... [More](#)

[Read article at Wikipedia](#)

<b>Date of birth:</b>	May 5, 1818
<b>Date of death:</b>	Mar 14, 1883 (age 64 years)
<b>Place of birth:</b>	Trier, Germany
<b>Religion:</b>	Atheism, Judaism, Protestantism
<b>Also known as:</b>	Founder of modern communism, K. Marx, Karl Heinrich Marx

### TV Actor

#### Starring TV roles



[The Communist Manifesto](#)

#### TV episode performances:

[The Communist Manifesto](#)



**PART 3:**  
**YOUR MISSION**  
(SHOULD YOU DECIDE TO ACCEPT IT)

Kingdom of Sweden Konungariket Sverige
<div><div> <div><span></span></div> <div>Flag</div> </div> <div> <div><span></span></div> <div>Coat of arms</div> </div> </div>
<b>Motto:</b> (Royal) <i>"För Sverige i tiden"</i> <sup>[a]</sup> "For Sweden - With the Times"
<b>Anthem:</b> <i>Du gamla, Du fria</i> <sup>[b]</sup> <i>Thou ancient, thou free</i> <b>Royal anthem:</b> <i>Kungssången</i> <i>The Song of the King</i>
<div><div> <div><span></span></div> <div>Location of Sweden (dark green) – on the European continent (light green &amp; dark grey) – in the European Union (light green) — <span>[</span>Legend<span>]</span></div> </div></div>
<b>Capital</b> (and largest city) <span><span></span></span> Stockholm <span><span><span><span><span>59°21′N</span> <span>18°4′E</span></span></span><span><span>﻿</span> / <span>﻿</span></span><span><span>59.35°N 18.07°E</span><span><span>﻿</span> / <span>59.35; 18.07</span></span></span></span></span>
<b>Official language(s)</b> Swedish <sup>[c]</sup>
<b>Ethnic groups</b> <span>[d]</span> 81.9% Swedes <sup>[1]</sup> 5.1% Finns <sup>[2]</sup> 13.0% other (2009) <sup>[3][4]</sup>
<b>Demonym</b> Swedish or Swedes
<b>Government</b> Parliamentary democracy and Constitutional monarchy
<div><div><div><span> </span>- Monarch King Carl XVI Gustaf</div><div><span> </span>- Prime Minister Fredrik Reinfeldt (M)</div><div><span> </span>- Speaker of the Riksdag Per Westerberg (M)</div></div></div>
<b>Consolidation</b> <div><div><div><span> </span>- Personal union w. Denmark and Norway June 6, 1523 <span>[</span>de facto independent kingdom<span>]</span></div><div><span> </span>- end of Scandinavian union ratified 1524</div><div><span> </span>- Swedish-Norwegian Union begins November 4, 1814</div><div><span> </span>- Swedish-Norwegian Union ends August 13, 1905</div></div></div>
<b>EU accession</b> 1 January 1995
<b>Area</b> <div><div><div><span> </span>- Total 449,964 km<sup>2</sup> (57th) 173,745 sq mi</div><div><span> </span>- Water (%) 8.7</div></div></div>
<b>Population</b> <div><div><div><span> </span>- 2009 census 9,354,462<sup>[5]</sup></div><div><span> </span>- Density 20.6/km<sup>2</sup> (192nd) 53.3/sq mi</div></div></div>
<b>GDP (PPP)</b> <div><div><div><span> </span>- Total 2009 estimate \$331.504 billion<sup>[6]</sup></div><div><span> </span>- Per capita \$35,965<sup>[6]</sup></div></div></div>
<b>GDP (nominal)</b> <div><div><div><span> </span>- Total 2009 estimate \$405.440 billion<sup>[6]</sup></div><div><span> </span>- Per capita \$43,986<sup>[6]</sup></div></div></div>
<b>Gini</b> (2005) 23 (low)
<b>HDI</b> (2007) 0.963 <sup>[7]</sup> (very high) (7th)
<b>Currency</b> Swedish krona (SEK)
<b>Time zone</b> <div><div><div><span> </span>- Summer (DST) CET (UTC+1)</div><div><span> </span>- Winter (DST) CEST (UTC+2)</div></div></div>
<b>Date formats</b> yyyy-mm-dd, dd-mmm-yyyy, dd-mm-yy
<b>Drives on the</b> right <sup>[e]</sup>
<b>Internet TLD</b> .se <sup>[f]</sup>
<b>Calling code</b> 46

مملكة السويد
<div><div> <div><span></span></div> <div>علم</div> </div> <div> <div><span></span></div> <div>Coat of arms</div> </div> </div>
<b>النشيد الوطني:</b> <i>Du gamla, Du fria</i>
<div><div> <div><span></span></div> <div>Location of Sweden (dark green) – on the European continent (light green &amp; dark grey) – in the European Union (light green) — <span>[</span>Legend<span>]</span></div> </div></div>
<b>العاصمة</b> (وأكثر مدينة) ستوكهولم <span><span><span><span><span>59°21′N</span> <span>18°4′E</span></span></span><span><span>﻿</span> / <span>﻿</span></span><span><span>59.35°N 18.07°E</span><span><span>﻿</span> / <span>59.35; 18.07</span></span></span></span></span>
<b>اللغة الرسمية</b> السويدية
<b>تسمية السكان</b> سويديون
<b>نظام الحكم</b> ملكية دستورية
<b>الملك</b> كارل السادس عشر غوستاف
<b>رئيس الوزراء</b> فريدريك رينفلت
<b>ولي العهد</b> الأميرة فيكتوريا
<b>المساحة</b> <div><div><div><span> </span>- المجموع 449,964 كم<sup>2</sup> (57)</div><div><span> </span>- 173,745 ميل مربع</div></div></div>
<b>نسبة المياه</b> (%) 1.1
<b>السكان</b> <div><div><div><span> </span>- توقع 2009 9,340,682</div><div><span> </span>- الكثافة السكانية 20.6/كم<sup>2</sup> (192) 53.3/ميل مربع</div></div></div>
<b>الناتج المحلي الإجمالي</b> (تعادل القدرة الشرائية) <div><div><div><span> </span>- الإجمالي 2009 تقدير \$331.504 مليار</div><div><span> </span>- للفرد \$35,965</div></div></div>
<b>الناتج المحلي الإجمالي</b> (الاسمي) <div><div><div><span> </span>- الإجمالي 2009 تقدير \$405.440 مليار</div><div><span> </span>- للفرد \$43,986</div></div></div>
<b>العملة</b> كرونه سويدية (SEK)
<b>المنطقة الزمنية</b> (UTC+1)
<b>في الصيف (DST)</b> (UTC+2)
<b>جهة القيادة</b> اليمين
<b>رمز الإنترنت</b> se.
<b>رمز الهاتف الدولي</b> +46

Konungariket Sverige
<div><div> <div><span></span></div> <div>Flagge</div> </div> <div> <div><span></span></div> <div>Wappen</div> </div> </div>
<b>Amts<span>­</span>sprache</b> Schwedisch Regionale Sprachen: Finnisch, Meänkieli, Samisch Anerkannte Minderheitensprachen: Jiddisch, Romani, Svenskt teckenspråk <sup>[1]</sup> (schwedisches Gebärdensprache)
<b>Hauptstadt</b> Stockholm
<b>Staatsform</b> Parlamentarische Monarchie
<b>Staats<span>­</span>oberhaupt</b> König Carl XVI. Gustaf
<b>Regierungs<span>­</span>chef</b> Fredrik Reinfeldt
<b>Fläche</b> 450.295 <sup>[2]</sup> km²
<b>Einwohnerzahl</b> 9.340.682 (Dez. 2009) <sup>[3]</sup>
<b>Bevölkerungs<span>­</span>dichte</b> 20,74 Einwohner pro km²
<b>Bruttoinlands<span>­</span>produkt pro Einwohner</b> 42.392 US\$ (2005)
<b>Human Development Index</b> 1,1 0,963
<b>Währung</b> 1 Schwedische Krone = 100 Öre
<b>Nationalhymne</b> <i>Du gamla, Du fria</i>
<b>Zeitzone</b> UTC+1 MEZ UTC+2 MESZ (März bis Oktober)
<b>Kfz<span>­</span>Kennzeichen</b> S
<b>Internet<span>­</span>TLD</b> .se
<b>Telefon<span>­</span>vorwahl</b> +46
<div><div> <div><span></span></div> <div>Location of Sweden (dark green) – on the European continent (light green &amp; dark grey) – in the European Union (light green) — <span>[</span>Legend<span>]</span></div> </div></div>
<div><div> <div><span></span></div> <div>Location of Sweden (dark green) – on the European continent (light green &amp; dark grey) – in the European Union (light green) — <span>[</span>Legend<span>]</span></div> </div></div>

# A Wikidata Commons

- Centralized repository
- Search and retrieval
  - Wikipedia list generation
- Fully multilingual
  - No monolingual strings
  - Support for locales
  - Bootstrap small Wikipedias
- Support for external data
- Rich APIs and exports
- Data/layout separation
  - Editable via forms
- Scales. And scales. And scales.

Will you help us build it?







LET'S TALK

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[tparscal@wikimedia.org](mailto:tparscal@wikimedia.org)