

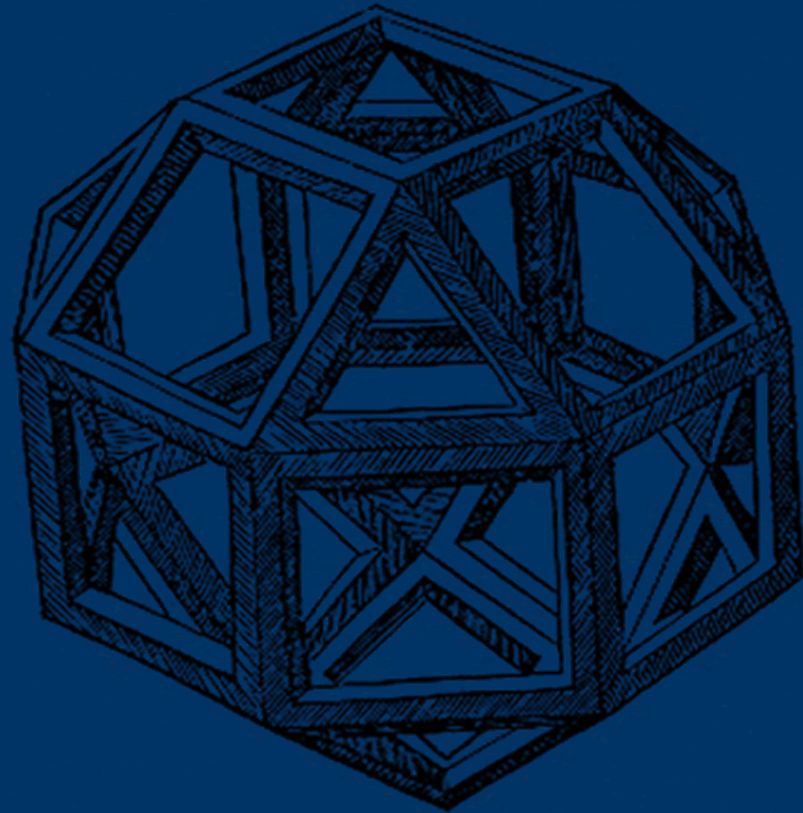
# *Wiki*

## *Technology and Community Culture*

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*Released under GFDL*



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# *Introduction – concept*



A wiki is

- web pages
- anyone who accesses it can contribute or modify content
- a simplified markup language

# Introduction – history

- World Wide
  - 1994:
    - Ward Cunningham, WikiWikiWeb
    - (1994?) Patrick Mueller, the first WikiWikiClone
  - 2000:
    - Sunir Shah, MeatballWiki
  - 2001:
    - January 15, Jimmy Wales, Wikipedia



# Introduction – history cont.

## • Mainland China



- 2001-12-27:
  - Softme Studio / 索秘软件工作室
  - jWiki as a sub-project of WebPM
- 2002 / 5:
  - 中鳞大杂院
- 2002 / 10
  - Chinese Wikipedia
- 2002 / 11
  - 贸大 Wiki

## • Taiwan



- Schee / 徐子涵
- hlb / 薛良斌
- Newzilla

## • Early Blogosphere



- Cnblog.org
- Chinese Blogger Conference / 中文网志年会

# Introduction – jargons

- Basics

- Sandbox
- CamelCase
- Wikify
- RecentChanges
- DocumentMode /  
TheadMode
- Namespace: Article / Talk /  
User / Category
- Signature
- BackLinks
- InterWiki

- Community

- EditWar
- AGF
- NPOV
- Consensus / Vote
- Deletionist / Inclusionism

- Copyright / Copyleft

- PD
- GFDL / Free
- CC family
- Fair use



# *Introduction – a simple classification*

- Tech related sites
  - c2.com / wikiwikiweb
  - meatball / usemode
- Travel related sites
  - wikitravel
  - wikiMapia
- Other sites
  - wikiHow
  - etc. ...
- Wikimedia Family
  - wikiversity
  - wiktionary
  - wikibooks
  - wikinews
  - wikiquote
  - wikisource
  - wikispecies
  - commons



# *Introduction – a simple classification cont.*

- wiki farms
    - wikia.com
    - jotspot.com
    - pbwiki.com
    - wetpaint.com
    - wikidot.com
    - wikispace.com
  - Personal wiki
    - connectedText
    - didiWiki
    - tiddlyWiki
    - tomboy
    - wikidPad
    - etc. ...
- 
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# *Introduction – organizations, companies*

- Organizations
  - Wikimedia Foundation
  - All Its Local Chapters
- Companies:
  - Wikia.com
  - Jotspot (Google)
  - SocialText
  - Etc. ...



# Introduction – conferences

- Wikimania
  - 2005 : Frankfurt, Germany
  - 2006 : Cambridge, Massachusetts, US
  - 2007 : Taipei, Taiwan
  - 2008 : Alexandria, Egypt
  - 2009 : Buenos Aires, Argentina
- WikiSym
  - 2005 : San Diego, CA, US
  - 2006 : Odense, Denmark
  - 2007 : Montreal, Canada
  - 2008 : Porto, Portugal
- RecentChangesCamp
  - 2006 : Portland, OR, US
  - 2007 : Portland, OR, US
  - 2008 : Palo Alto, CA, US



# *Technology – implementations*

- Java :
  - clearspace / confluence / jamwiki / jspwiki / snipsnap / xwiki
- Javascript :
  - tiddlywiki
- Perl :
  - ikiwiki / socialtext / twiki / usemod
- Php :
  - mediawiki / dokuwiki / wakkawiki / pmwiki
- Python :
  - moinmoin / trac
- Ruby :
  - instiki
- Smalltalk :
  - swiki

*Add your own implementation here .....*

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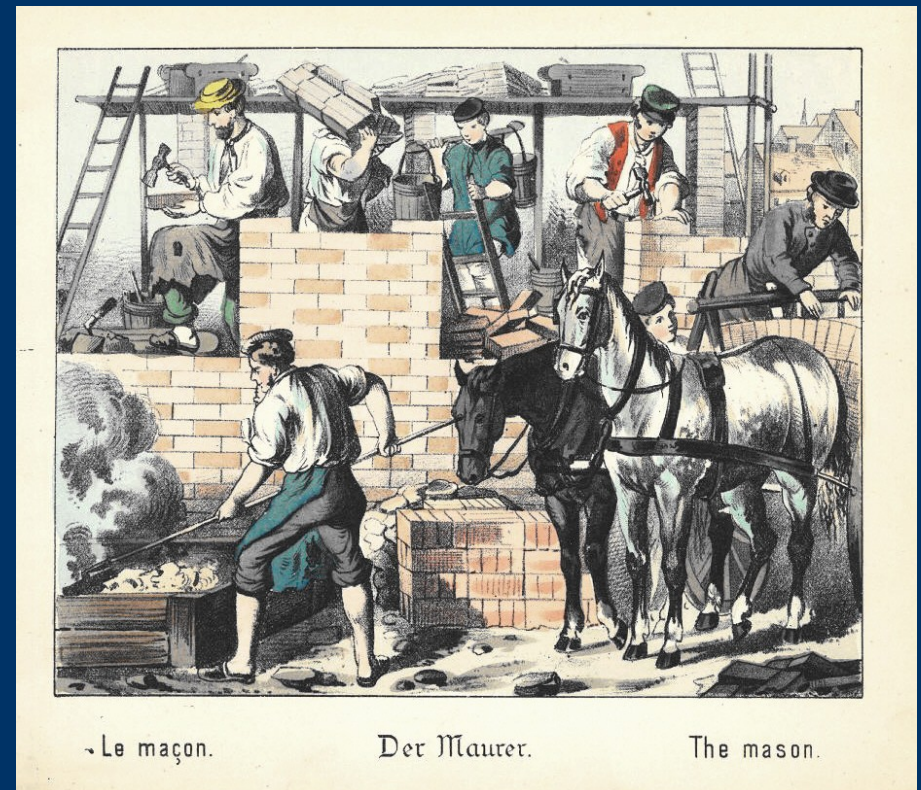
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# *Technology – features*

- Architectural choices :
    - Wiki syntax
    - Web-server
    - Data backend
    - Version control
  - Basic features :
    - RecentChanges
    - BackLinks
    - Interwiki
    - Diff
    - Edit Conflict Resolution
  - Other features :
    - Images / File uploading
    - Namespace
    - Category
    - Template
    - Page access control
    - Spam prevention
    - WYSIWYG editing
    - Extensibility
    - Etc. ...
- 
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# Technology – principles

- open: almost editable
  - just click “edit”
- generative
  - click red link on any page to create a new page
- self-organized
  - hyper links / category tree
- observable
  - time-based
  - space-based



# *Technology – easy at first glance*



- A unified and simple data model
  - page have links;
  - page have revisions;
  - no other structure above pages.
- Basic operations
  - view : raw to html
  - edit : load raw text
  - save : save raw text
  - delete

# *Technology – syntax & parser*

- Lightweight markup
    - Textile
    - Markdown
    - reStructuredText
    - Etc. ...
  - Mediawiki markup
    - Powerful
    - Complex
    - Very hard to parse
  - WikiCreole
    - WikiSym 2006
    - As an endeavor for markup standardization
  - Wiki Model
    - Wiki Event Model
      - SAX-like
    - Wiki Object Model
      - DOM-like
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# *Technology – version control*

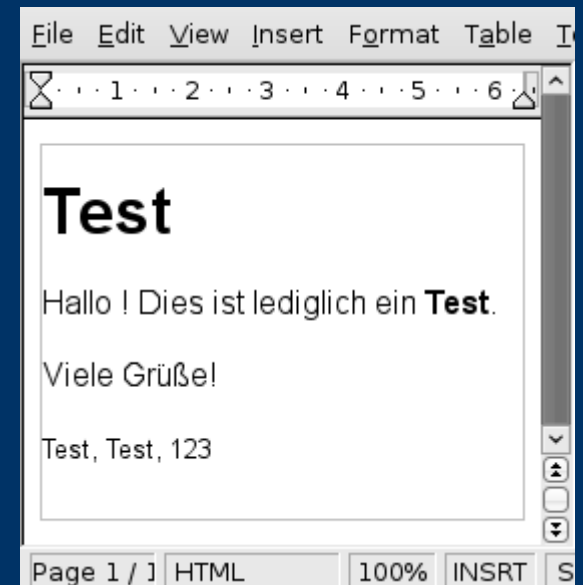
- Develop this feature :
  - Storage Model
  - Editing Conflict Resolution
  - Diff
  - Merge
- Leverage it
  - CVS
  - SVN
  - Mercury
  - Git





# Technology – wysiwyg

- Many small wiki implements this feature
- The Wysiwyg Editor for Mediawiki is still in vapour.
- Two approaches
  - Editor → Wikitext
  - Editor → HTML → Wikitext



# *Technology – adventure of ideas*



- Semantic Wiki
- Git Wiki / Mercury Wiki
- Jabber Wiki
- P2P Wiki
- Another wildest idea from you? Try it!
- Question
  - How people cooperate together?

# *Community culture – openness & assume good faith*

- Openness
    - Ability of anyone to edit articles without registering
  - “It is impossible!”
    - The first reply when people get to know the idea of wiki
    - But the existence and growth of wikipedia prove that most people are in good faith.
  - Conflict resolution
    - AGF is an good advice for both side
    - Humor: Assume the assumption of good faith
- 
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# Community culture – npov

- A nature question:
  - how to handle controversial topics?
    - Creation-evolution controversy
    - Abortion
- Neutral point of view
  - Multiple or conflicting perspectives exist within a topic each should be presented fairly.
  - Let the facts speak for themselves.
  - Describing points of view.
  - Freedom of expression.
- A dialog open for every parts which is never finished



# *Community culture – consensus*

- Wiki process
  - Before consensus
  - Loop: edit / revert / discuss
  - Reach consensus
- Consensus is Wikipedia's fundamental model for editorial decision-making.



# *Community culture – deletionism / inclusionism*

- Please keep a sense of humor
  - Deletionism :
    - a philosophy held by some Wikipedians that favors clear and relatively rigorous standards for accepting articles to the encyclopedia.
  - Inclusionism :
    - a philosophy that information should be liberally added and retained on Wikipedia.
  - Notability criteria for articles to be accepted
  - Examples :
    - Small villages
    - Books / Films / Songs
- 
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# *Community culture – controversy*

- 2007
    - Essay controversy
    - Microsoft OOXML controversy
    - Wikiscanner
  - All the controversy focus on creditability, trust, and neutrality.
  - People should learn how to use Wikipedia and contribute to it properly.
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*Thanks*

