Introducing...wiki

Marco Kalz, M.A.

Educational Technology Expertise Center

Open University of the Netherlands

marco.kalz@ou.nl

Pre-Conference-Workshop “Creation and Support of Open Educational Resources with Open Source Wikis”

Edumedia-Conference “Open Educational Practices and Resources for Lifelong Learning”
Salzburg, April 16, 2007

TEN Competence
Building The European Network for Lifelong Competence Development

Overview

- A short Wiki History
- 6 Myths about wikis
- Context Matters/A model for wiki use & research
- Wikis in Education
- The technical perspective
- Wiki as authoring tools for OER

TEN Competence
Building The European Network for Lifelong Competence Development

Wiki?

TEN Competence

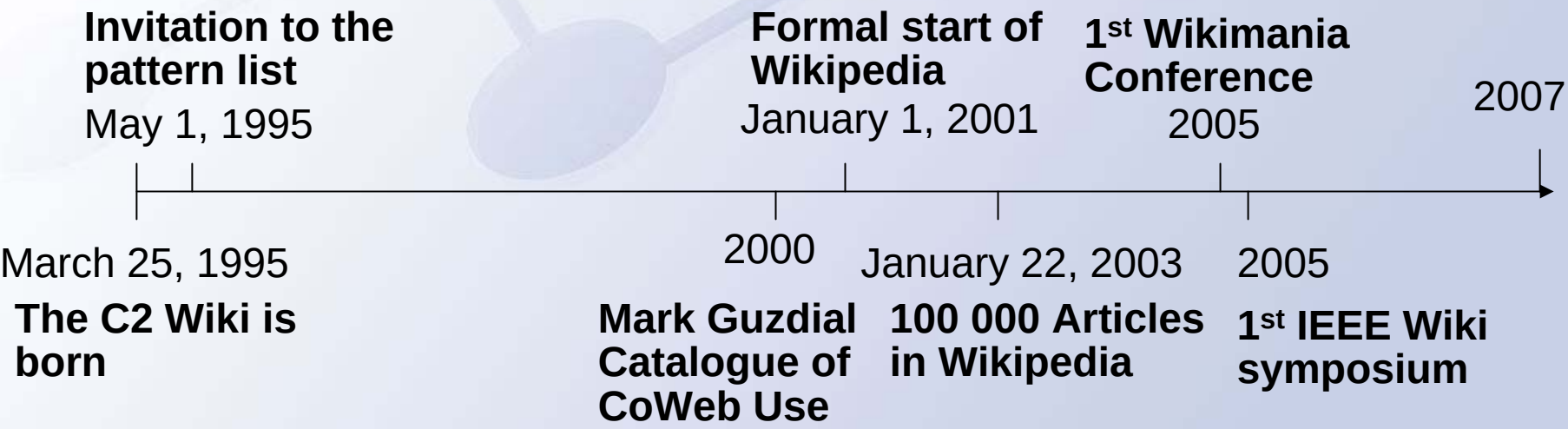
Building The European Network for Lifelong Competence Development

Wiki!

TEN Competence

Building The European Network for Lifelong Competence Development

A short wiki history



TEN Competence
Building The European Network for Lifelong Competence Development

6 Myths about Wikis

1.) All wikis work like Wikipedia

2.) A Wiki is the best software for every purpose

3.) Wikis are only used in non-commercial contexts

4.) Openness is holy

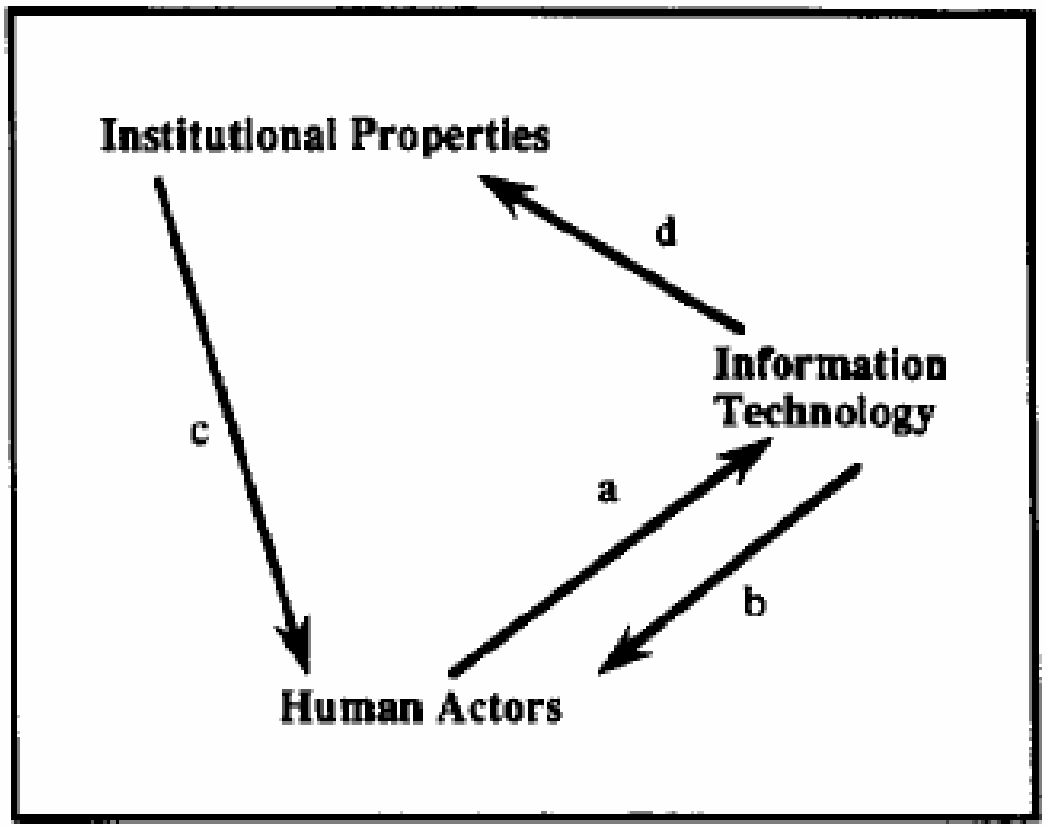
5.) WikiWords are nice

6.) Wikis provoke cooperation

TEN Competence

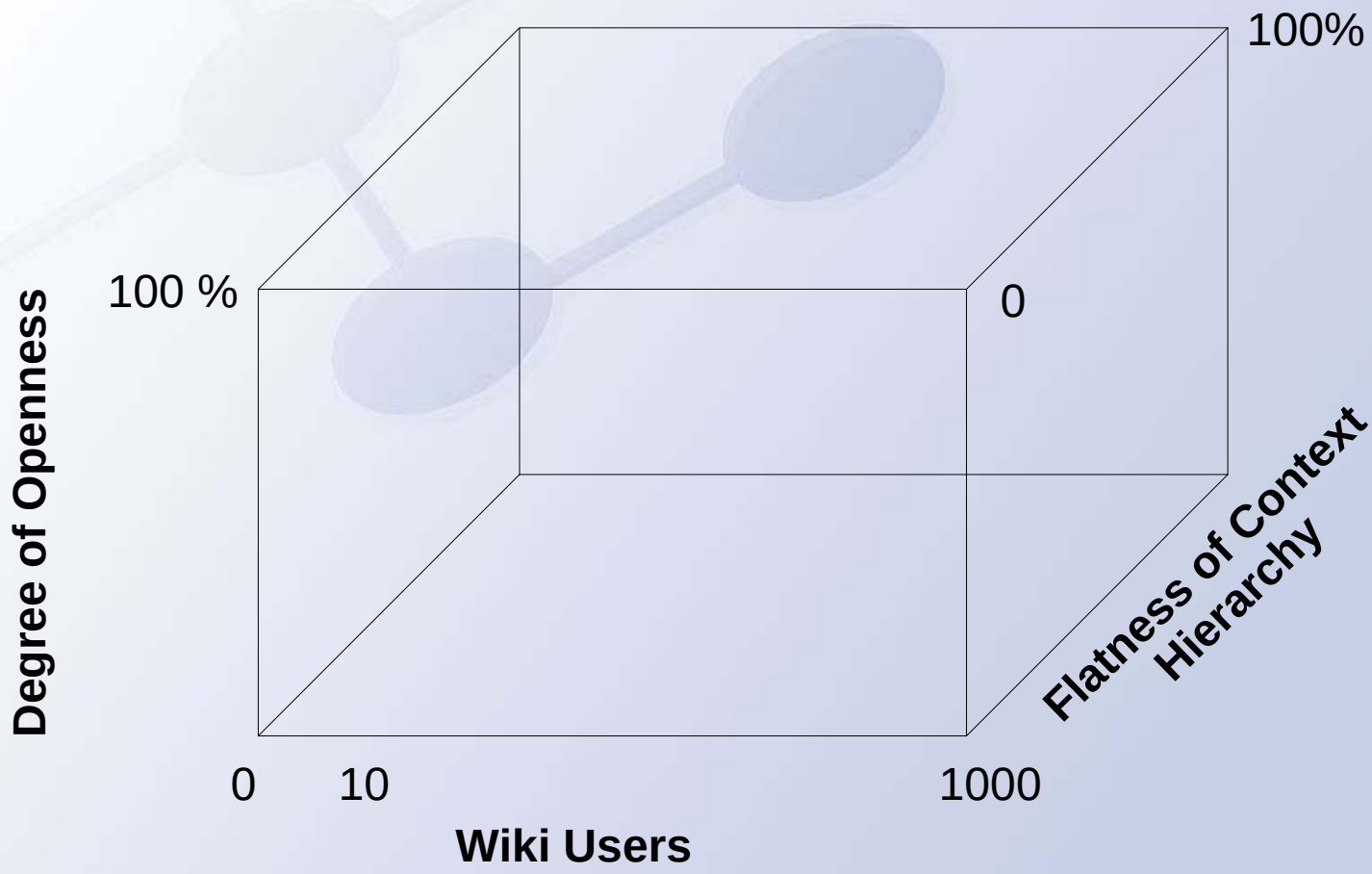
Building The European Network for Lifelong Competence Development

Context Matters



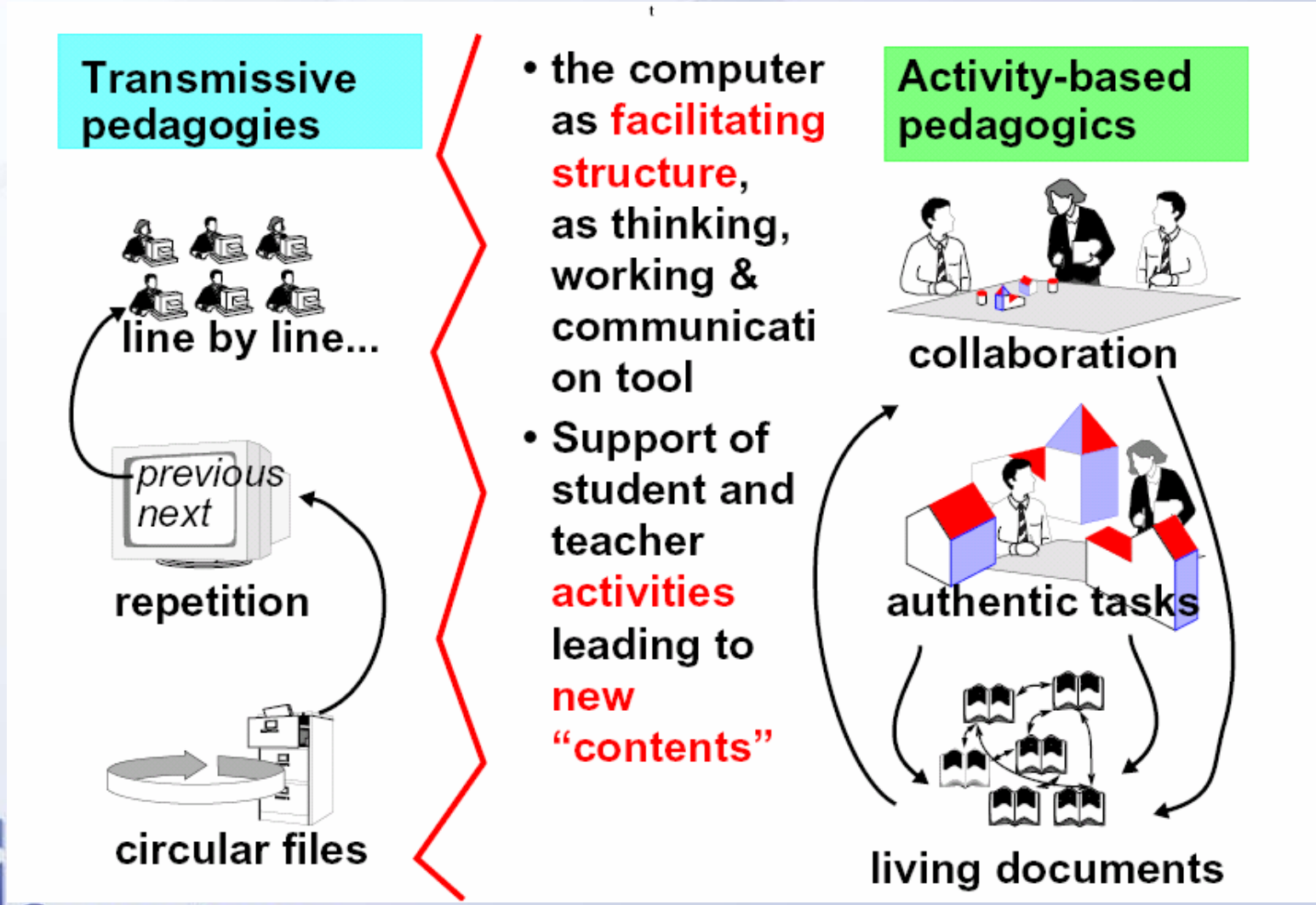
Orlikowski/Robey 1991: A Structurational Model of Information Technology (vgl. Kalz 2005)

A model for wiki use & research



TEN Competence
Building The European Network for Lifelong Competence Development

Wikis in Education (1/3)



Daniel Schneider, Uni Genf

Wikis in Education (2/3)

Educational uses and Benefits	Issues
It provides a dynamic, collaborative web publishing environment.	Content is always or never authoritative as it can be changed at any time by anyone.
Anyone can change anything so it has the potential to change the dynamic between teacher/tutor and student.	Has specialised tagging that is different to HTML so requires an additional skill set.
Practice defines how the wikis work so teachers/tutors do not need to change what they do to meet the requirements of the system.	Concepts of ownership and authorship need to be rethought and control of content ceded by teachers/tutors to their students as peers.
Wiki systems retain edited versions of a page so that a history can be reviewed.	
Wiki software is largely free and open source.	

ACT 2005

Wikis in Education (3/3)

PIM

- Personal Knowledge Management
- Vizualisation of individual kowledge structures
- Living documents with versioning

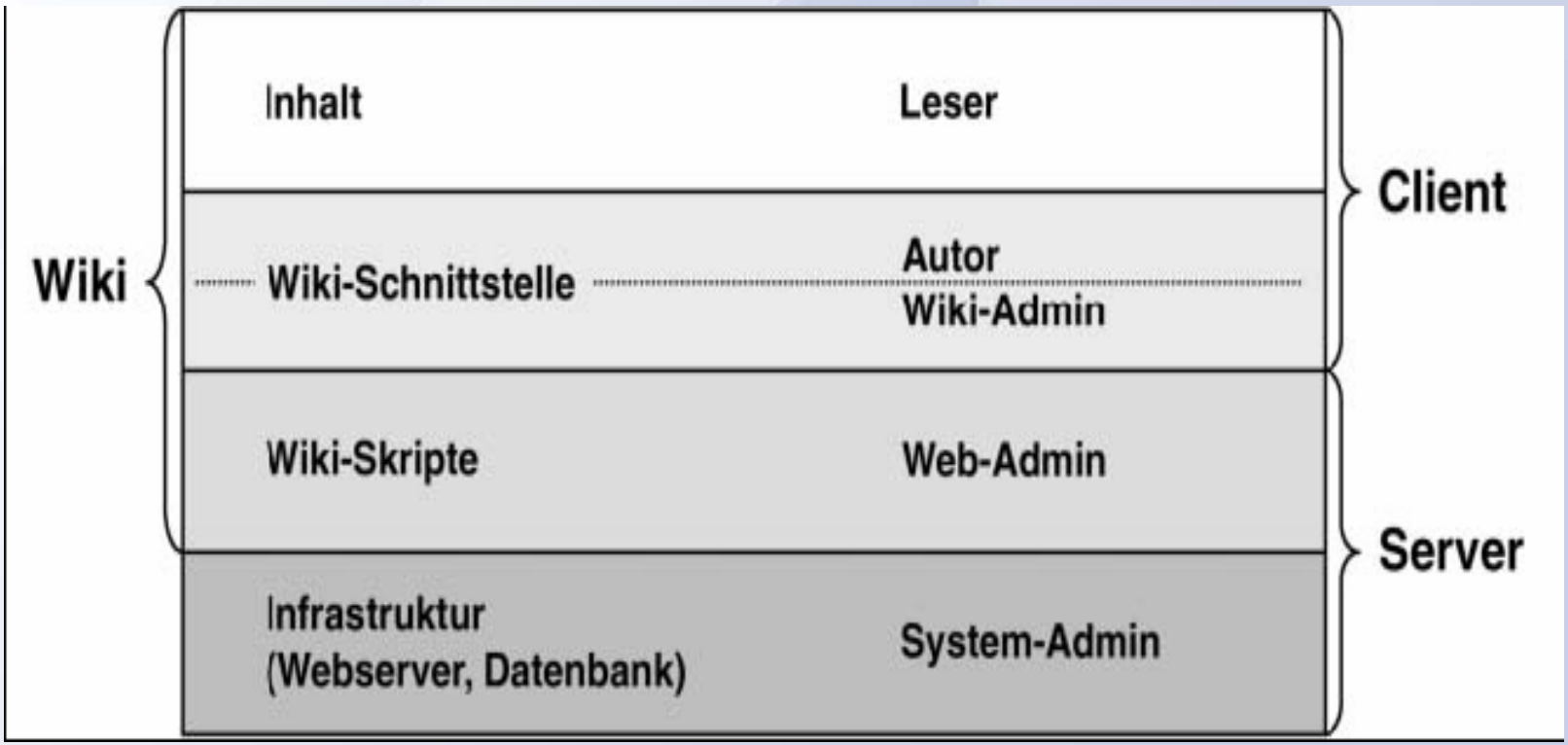
Knowledge Base

- Repository for (tacit) knowledge in a group
- KB for a study program
- KB for a course

More examples (Klampfer 2005)

- Wiki Based Brainstorming
- Projectmanagement
- WikiWeb-Quests
- Wikis as E-Portfolios

The technical perspective (1/4)



Ebersbach 2005

TEN Competence
Building The European Network for Lifelong Competence Development

The technical perspective (2/4)

Table 1 : Comparison of features of wiki implementations

	Language	Ease of Install	Version control	Access control	File attachments	Data storage
Tipiwiki	PHP	Easy	No	No	No	Flatfile, SQL
WikiAsp	ASP	Easy	No	No	No	MS Access
Kwiki	Perl/Cgi	Fair	Yes, as option	Yes, as option	Yes, as option	Filesystem
JSPWiki	JSP	Fairly easy	Yes, as option	No	Yes	Filesystem
Instiki	Ruby	Very easy	Yes	Basic	Yes, as option	Filesystem
Twiki	Perl/Cgi	Fair	Yes	Advanced	Yes	Filesystem
Perspective	.Net	Fair (XP SP2 issues)	Yes	Yes	Yes	Filesystem
MoinMoin	Python	Moderate	Yes	Yes (ACL)	Yes	Filesystem
TikiWiki	PHP	Hard	Yes	Advanced	Yes	Database

Tonkin 2005

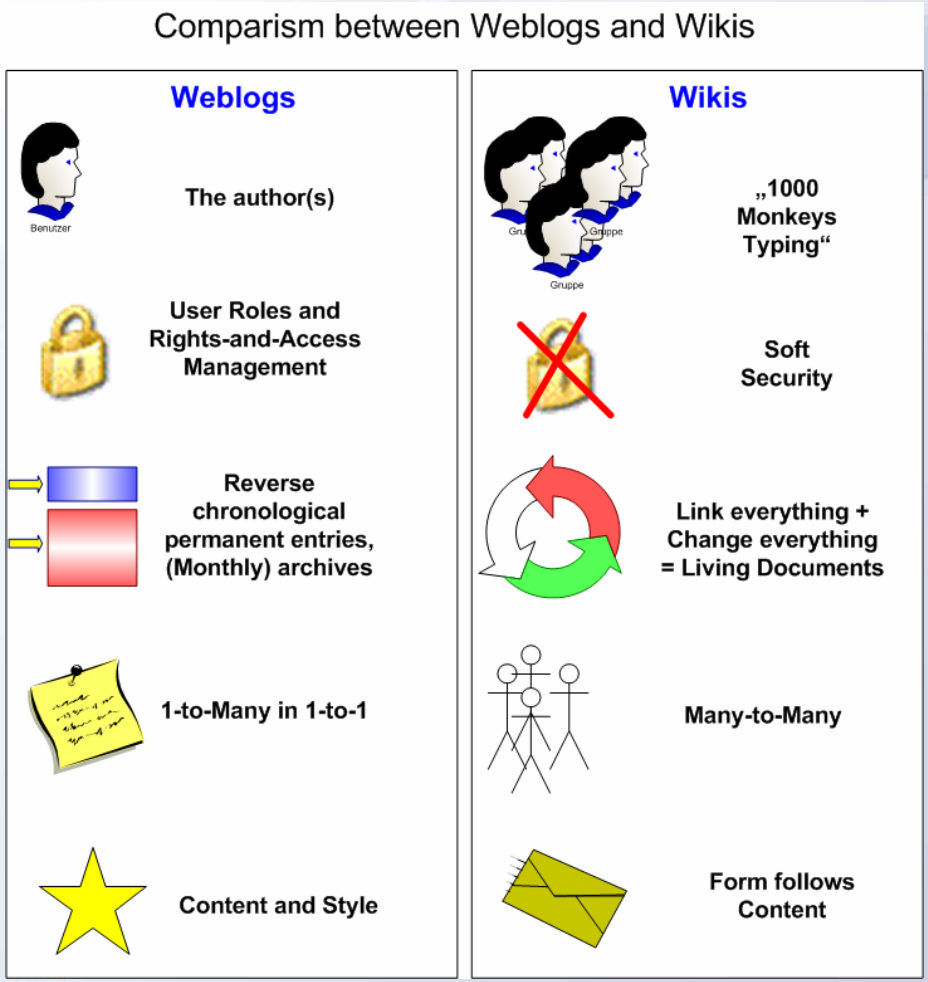
The technical perspective (3/4)

Table 2: Comparison of external features of wiki implementations

	Syndication	Data export	Search	Locking	Suggested use
Tipiwiki	No	No	Yes	No	Simple applications
WikiAsp	RSS	XML	Yes	Collision protection	Small scale sites
Kwiki	RSS option	Not default	Yes, as option	Collision protection	Midscale sites
JSPWiki	RSS	No	Yes	Yes	Small-medium scale sites
Instiki	RSS	XML, TeX, PDF	Yes	Yes	Small-medium scale sites
Twiki	Extensive	Yes, as option	Yes	Yes	Intranet/internet site
Perspective	RSS	No	Yes	Yes	Intranet (good Office integration)
MoinMoin	RSS	No	Yes	Yes	Small-medium scale sites
TikiWiki	Yes	Yes, eg PDF	Yes	Yes	Intranet CMS

Tonkin 2005

The technical perspective (4/4)

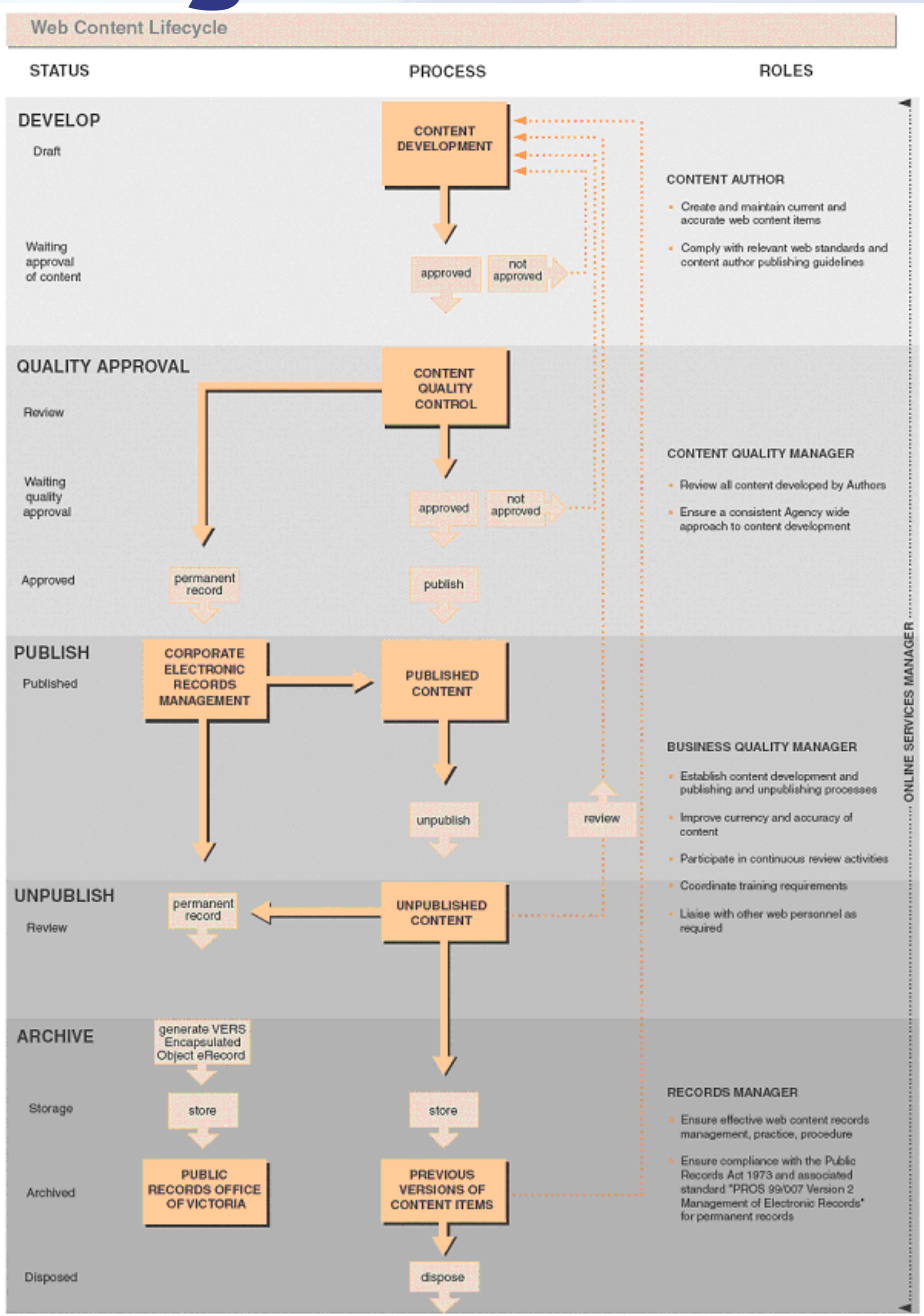


The blogosphere is the magic that happens above blogs — the blogosphere is a community that might produce a work. Whereas a wiki is a work that might produce a community.

Ward Cunningham,
Wikisym 2005,
17.10.2005

TEN Competence
Building The European Network for Lifelong Competence Development

Authoring OER with Wikis (1/2)



Government of Victoria, AUS 2003

TEN Com
Building The European Network for Lifel

Authoring OER with Wikis (2/2)

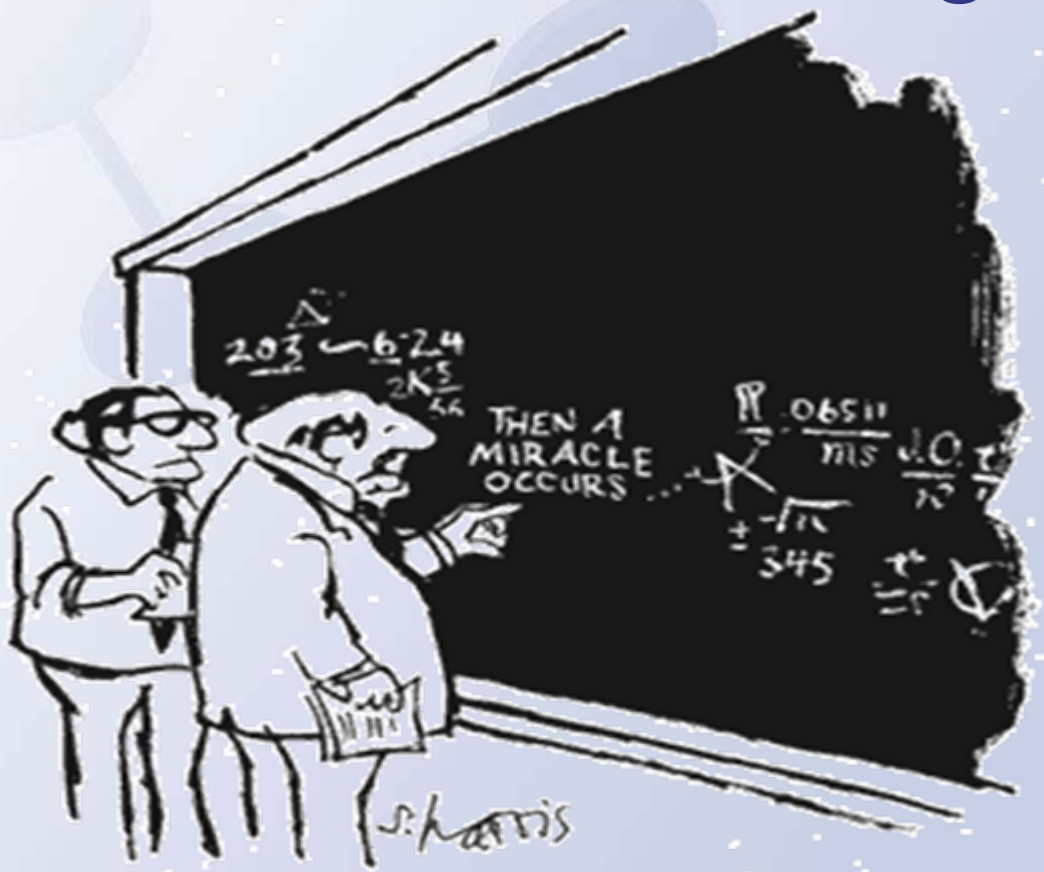
- Wikis support a special Web Content Lifecycle (different from most CMS)
- The authoring process is visible
- Wikis support individual authoring as well as group and mass authoring
- Wikis realize the read/write-web ideal that TBL had in mind when designing the WWW

Discussion

- More (experimental) research about wikis
- Convergence with other tools
- Usability
- Should wiki really replace an LMS?
- How to author OER in wiki and use them in any LMS?

TEN Competence
Building The European Network for Lifelong Competence Development

Thanks for listening!



"I THINK YOU SHOULD BE MORE EXPLICIT HERE IN STEP TWO."

TEN Competence

Building The European Network for Lifelong Competence Development