

# Mediawikis for research, teaching and learning

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<http://tecfa.unige.ch/tecfa/talks/schneide/edmedia11/>



# No significant difference

(Nettles et al. 2000, Johnson et al, 2000, Russel 2001).

Some difference

Structured designs  
(Kirschner et al. 2006)

Teacher quality (many factors)

Projects controlled by 1-7 teachers  
(many EdMedia papers)

Infrastructure  
(affordances)

# Affordances ....the bottom line

(Clark, Kozma, etc.).

Anything goes  
(¬ media hyp.)

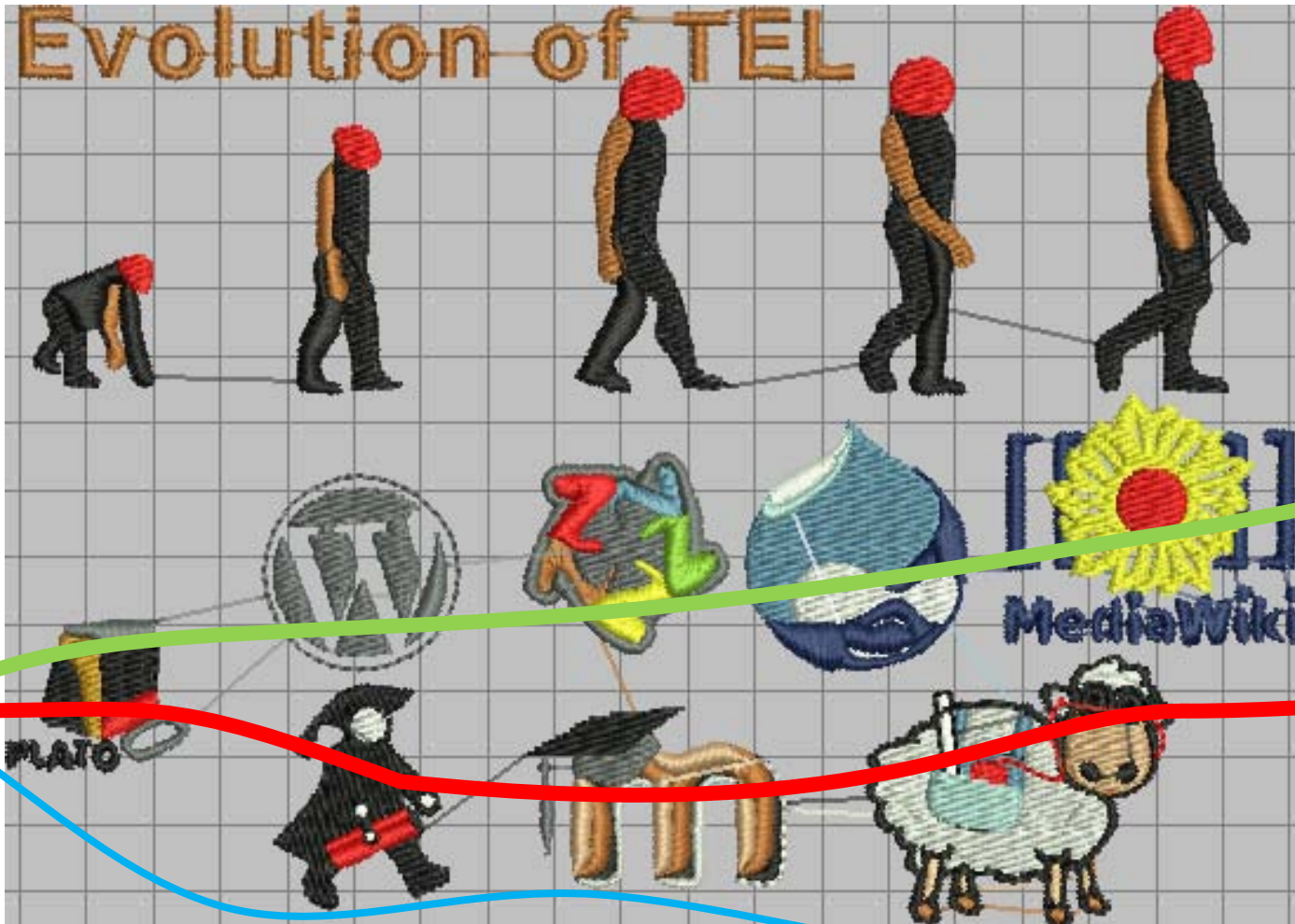
Slower/ cumbersome:  
e-learning systems,  
workflow systems

Faster / easier  
Street technology

→ Wikis

→ Mediawikis  
(Wikipedia tech)

# Evolution of (my) technology-enhanced teaching infrastructure



focus on production & sharing

focus on control

tied to research...

# Mediawiki case studies

<b>Name</b>	<b>Teachers</b>	<b>Students</b>	<b>Other</b>	<b>Purpose</b>	<b>Duration</b>
Edutechwiki/en	1 + guests	edutech/CS	some	multi	2005 -
Edutechwiki/fr	3	edutech	-	multi	2005 -
DeWiki	1 + guests	education	-	teaching	2006 -
Apaches	-	education	some	community	1 yr
Iris	-	-	some	community	2010-
Biorouso	2	highschool	-	teaching	2006
Chimiorouso	2	highschool	-	teaching	2011

...a set of design experiments, over a longer time span allowing to test where using a Mediawiki makes sense and how these should be configured



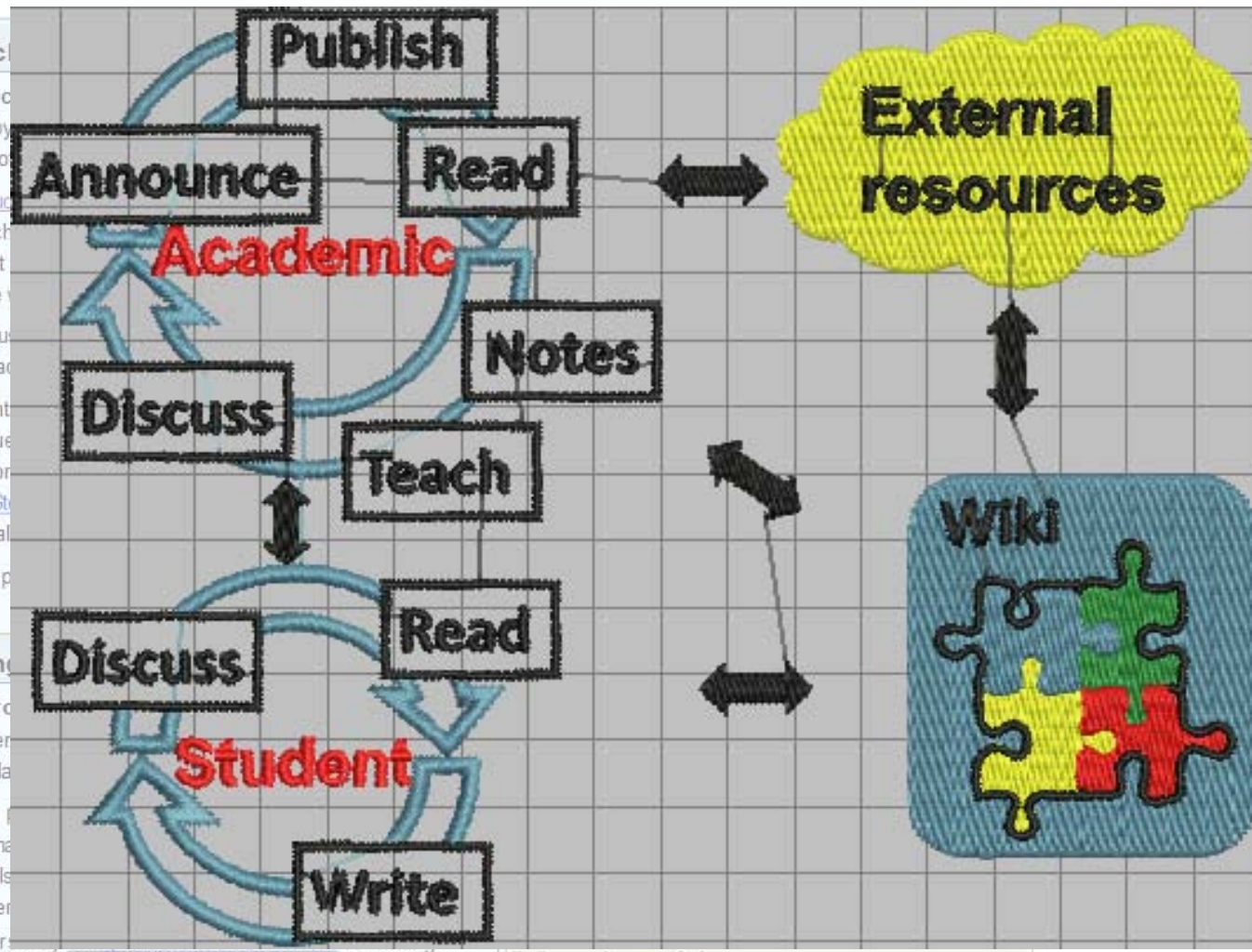
How it started: <http://edutechwiki.unige.ch/en/>

- A shared note taking, literature review and writing-to-learn environment

The screenshot shows the EduTechWiki website interface. At the top left is the logo "EduTech Wiki". Below it is a search bar with the text "via google" and a "slow search" button. There are "Go" and "Search" buttons. A navigation and help section lists links like "Main Page", "Recent changes", "About", "Random page", "Help", "Editing rules", and "Blog/DKS". A categories section lists various topics like "Design and research methods", "Education and instruction", "Educational technologies", "Educational technology - the field", "Psychology and learning", "Socio-political and organization", "Special contents", "Technologies", and "Tutorials". At the bottom, there is a "print/view" section with "Create", "Do", and "Print" options, and a "toolbox" section.

1 Welcome to Edu Tec  
EduTechWiki is about Educ  
related fields. It is hosted by  
teaching unit at University of  
It is a resource kit for educ  
note taking tool for research  
environment for students. It  
used in classes around the  
Many articles also can be u  
e-learning consultants. Rea  
EduTechWiki currently cont  
different contents. Send que  
and is to blame for most cor  
Benetos, Marielle Lange, St  
cyberspace, thanx to you al  
If you find this wiki useful, p  
required).

2 Status and authoring  
This wiki is a long term pro  
authority or all four together  
the wiki as an e-learning pla  
• Anybody is welcome to p  
copyright notice. You ma  
is not Wikipedia. We als  
(spelling, grammar, refer  
• Other university teacher



Knowledge communities (Bereiter and Scardamaglia)  
Integrated scholarship (Boyer, Gardner)

# Case study 1: EdutechWiki/en+fr: **Several-in-one integrated scholarship**

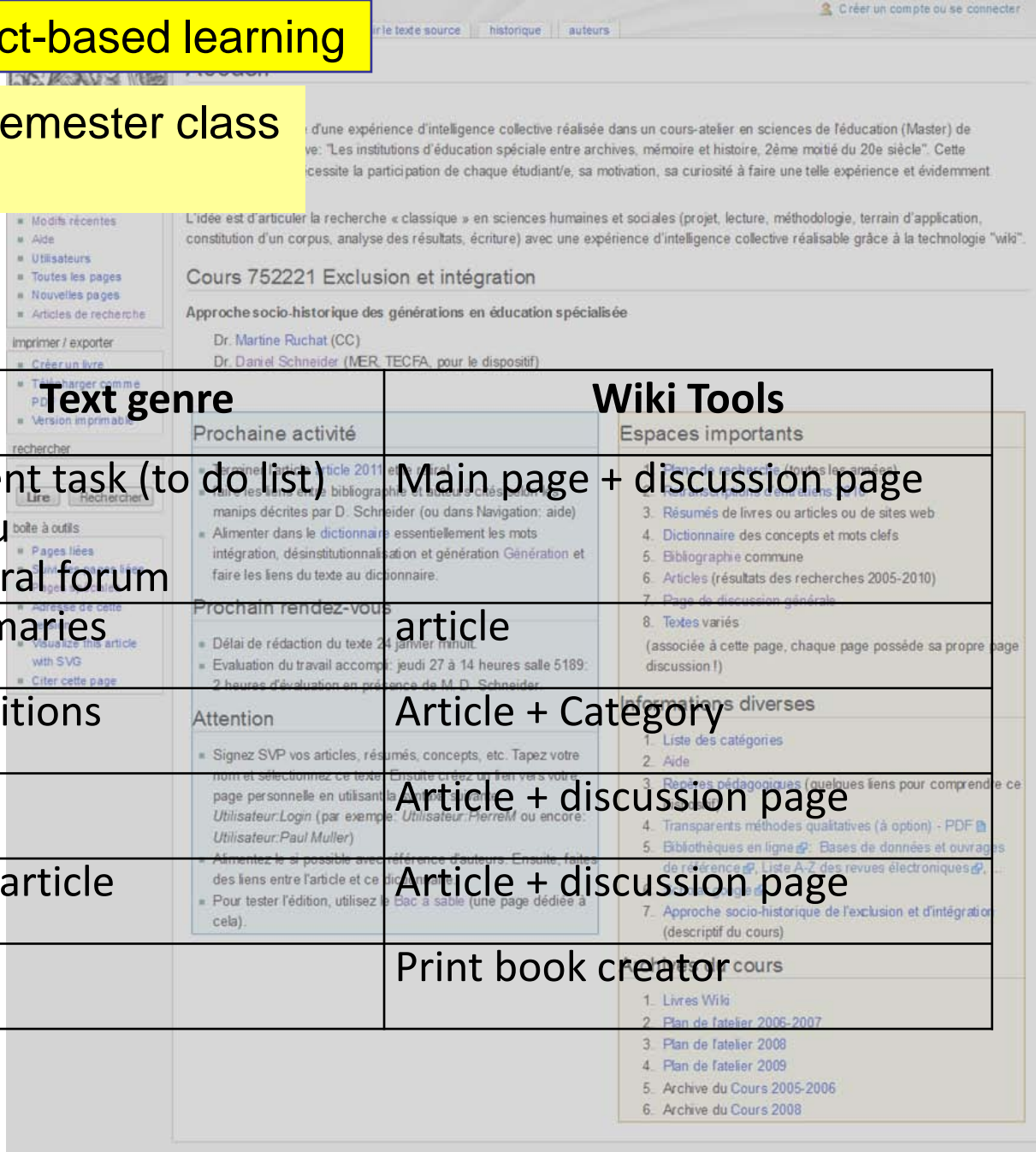
Population: various small classes

Organization: most blended, one presential

<b>Teaching purposes</b>	<b>Text genres</b>	<b>Wiki Tools</b>
<b>Writing-to-learn activities</b>	Student-created overview/essays	Pages, discussion pages and categories
<b>Writing about cases, e.g. edu. games</b>	Structured, somewhat standardized “files”	Pages, discussion pages, categories
<b>Direct instruction e.g. intro. to XML</b>	Syllabus, weekly programs, tutorials, overview pages	Categories, navigation menus, code display
<b>Mini-projects based instruction e.g. intro. to Flash</b>	Syllabus, exercise programs, tutorials, overview/link pages, discussion	Navigation menus, wiki books, code formatting, discussion pages
<b>Workshop support</b>	Program page with links	None
<b>Other purposes</b>		
<b>Note taking, knowledge integration and linking</b>	Overviews, links and references	Articles, category trees, graphs
<b>News</b>	Blog	Wikilog
<b>EduTech resource kit</b>	All sorts	All

# Case study 2: Dewiki – project-based learning

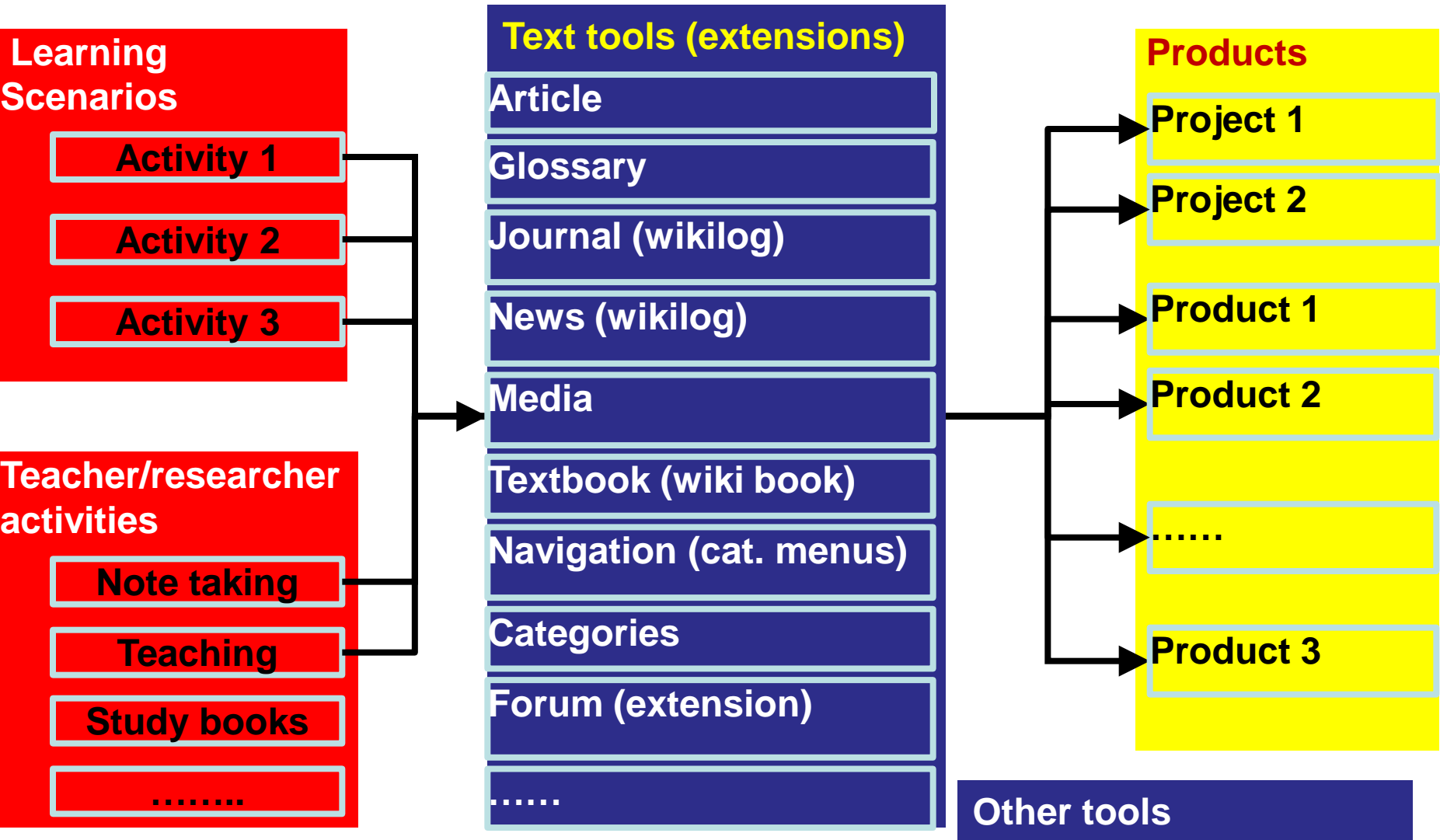
- Population: a single small semester class
- Organization: blended



Purpose	Text genre	Wiki Tools
Management	Current task (to do list) Menu General forum	Main page + discussion page
Literature review	Summaries	article
Dictionary of terms	Definitions	Article + Category
Research plan		Article + discussion page
Articles (outcome)	Long article	Article + discussion page
Valorization	book	Print book creator

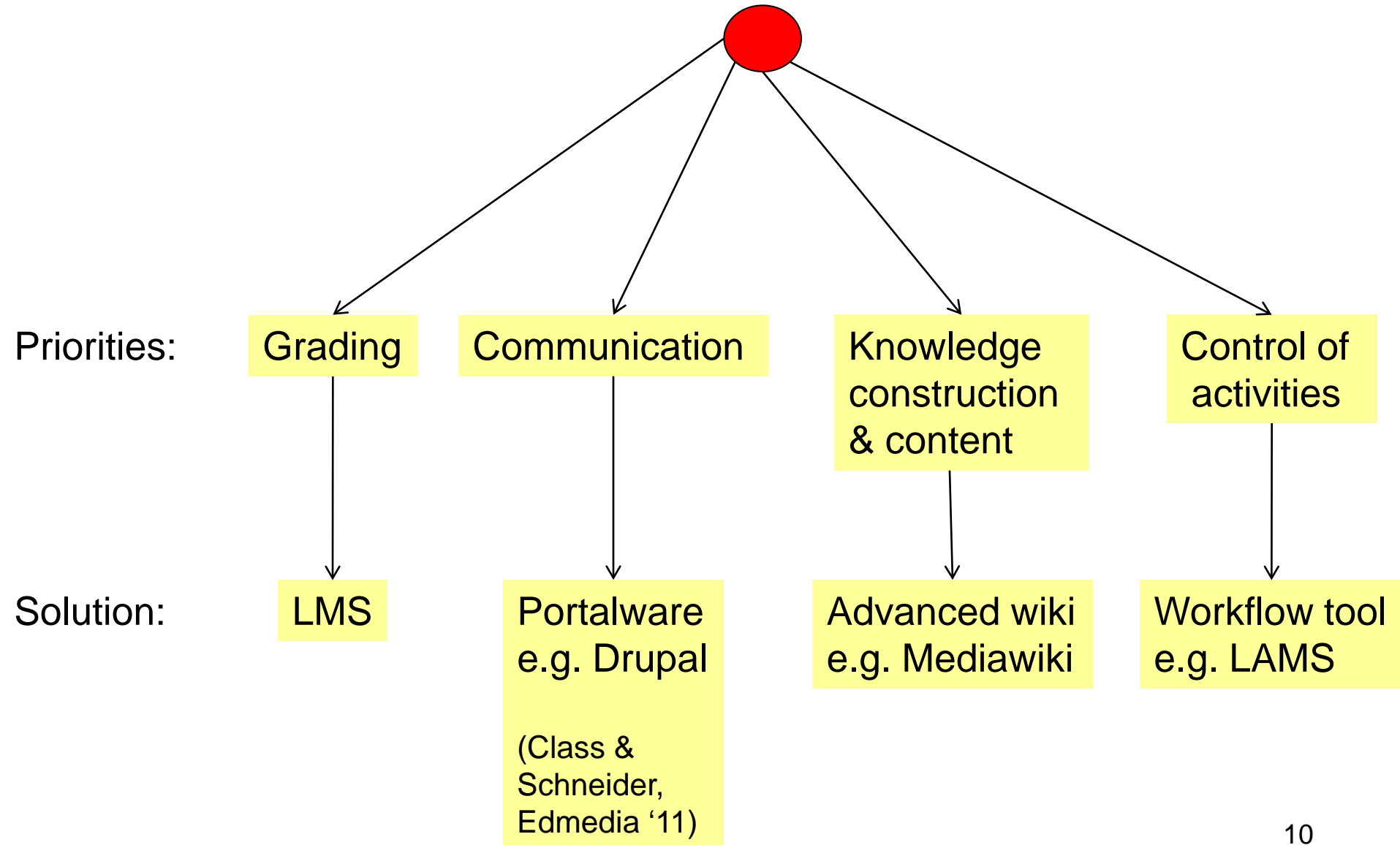


# Conclusion (1): Supported text genres in a MediaWiki



Support for **wide range of text genres and learning activities**, if you install the right extensions !

## Conclusion 2: Which tool ?



<http://edutechwiki.unige.ch/en>

Used MediaWiki extensions:

<http://edutechwiki.unige.ch/en/Mediawiki>

Questions ?

Demos ?