

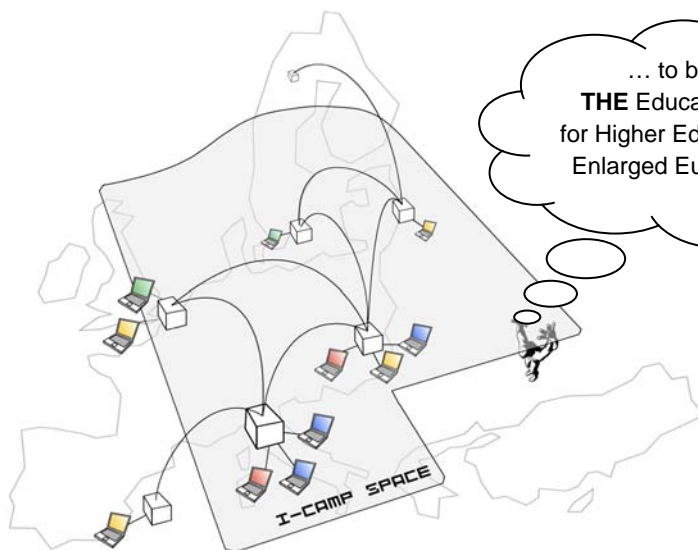
**Collaborative Knowledge building
and Sharing for Reshaping
European Educational Landscapes**

Margit Hofer (ZSI), Fridolin Wild (WUW)

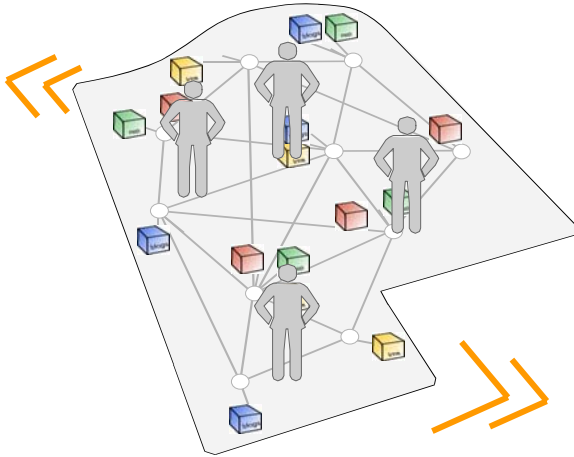


Co-financed by the European Union

Project Vision ...



Research Overview



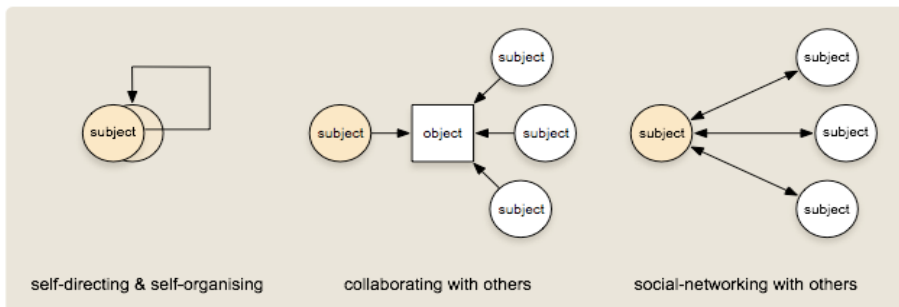
- Pedagogical Models
- Tools portfolio
- Interoperability
- Validation Trials
- Dissemination & Exploitation



Areas of challenge...



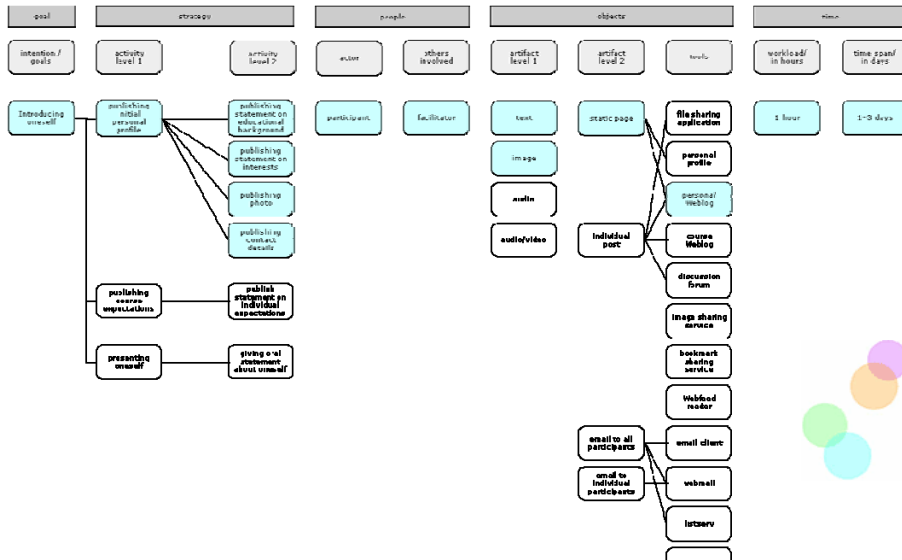
...for the pedagogical model



Subject - object relationships



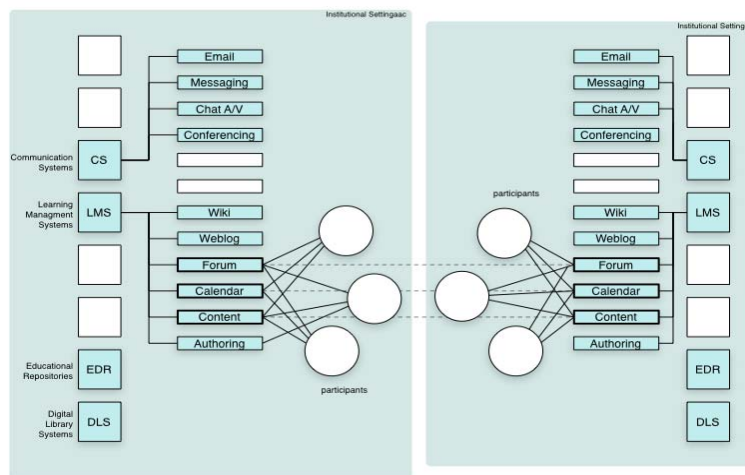
Building conceptual tools for performance support



Institutional Landscapes



- domination of (Learning) Management Systems
- only some are open source
- low degrees of interoperability and many closed systems
- all necessary tools are provided by institution
- actors appear as residents



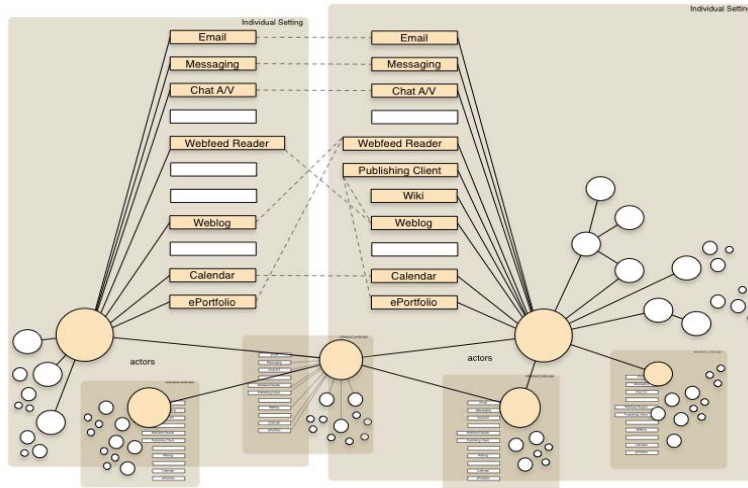
Personal Landscapes



avant-garde
creates mediated
personal (learning)
environments

use a landscape of
preferred
tools and services

actors appear as
nomads



Augmented Landscapes



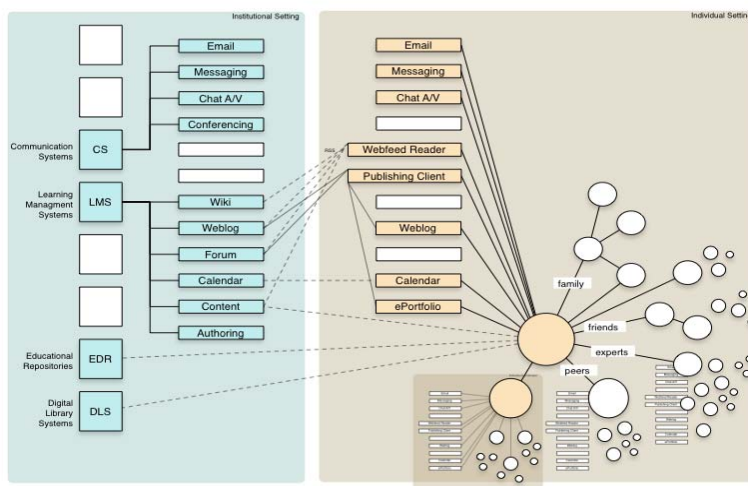
individuals
use subsets of
tools and services
provided
by institution

actors can choose
from a growing
variety of options

gradually transcend
institutional landscape

actors appear as
*emigrants or
immigrants*

leave and join
institutional landscape
for particular purposes



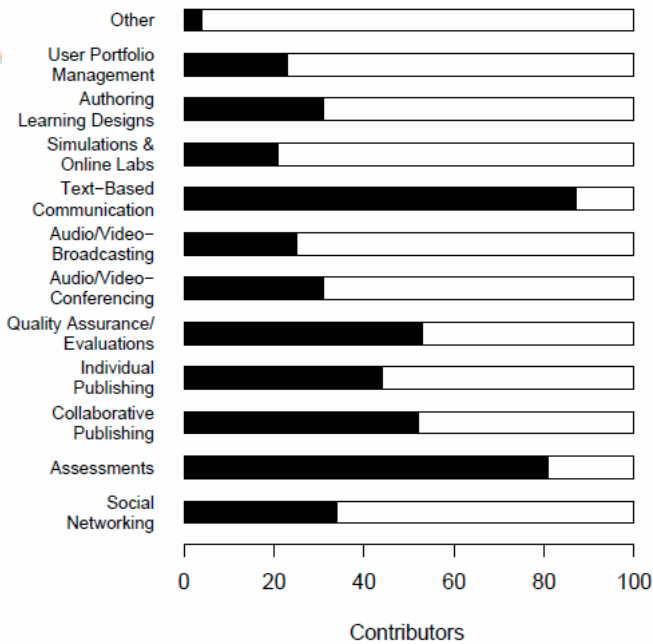
Heterogeneity of Learning Tools



	No.	Occ.	Tool	Occ.
L(C)MS	71	146	Open-Source L(C)MS	47
Pure CMS	15	20	Self-Developed L(C)MS	44
Pure Administrative	18	19	Commercial L(C)MS	42
Pure Authoring	22	26	Moodle	44
Pure LOR	14	18	Moodle + Other	29
Pure Assessment	10	10	Moodle + Commercial	15
Pure Collaboration	32	51		
Sum	182	290		



by Fridolin Wild and Stefan Sobernig, VUE



Tools Portfolio



- Self-Directed Learning
 - iLogue: Personal Journal, Learning Contract, & Reflection Tool
 - ObjectSpot, the iCamp Federated Search
 - xoWiki
 - Videowiki
- Social Networking
 - Scuttle: Social Bookmarking
 - Network Analysis: myDENTITY
 - Sip.iCamp.eu: Voice over ip
- Cross-Cultural Collaboration
 - Doodle: Organising Meetings
 - WordPress with FeedBack: Blogging
 - Feed on Feeds & FeedMoot: Feed Aggregators

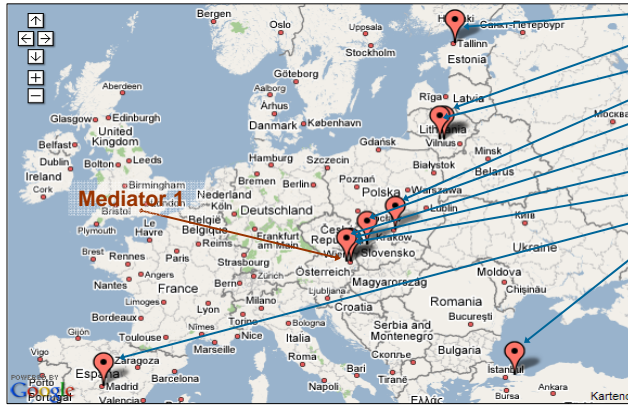


Information Retrieval

The screenshot shows the ObjectSpot search interface. At the top, there is a search bar with the text "meet your favorite learning object." and a "GO..." button. Below the search bar, there is a "show status" checkbox and a "search status (7)" indicator. The search results are displayed in a list format. The first result is "A Methodology for Evaluating Frameworks" with a URL "http://www.aei.pitt.edu/442/". The second result is "Religious Culture and European Integration: Theory and Hypotheses" with a URL "http://aei.pitt.edu/442/". The third result is "The Welfare States in a United Europe" with a URL "http://aei.pitt.edu/630/". A blue arrow points from the search bar to the results, and another blue arrow points from the results to a detailed view of the "Religious Culture and European Integration" article. The detailed view shows the title, author information, and a summary of the article's content.



Network



- IVA
- ViPS
- Moodle KTU (Artefacts)
- Moodle AGH (Persons)
- OALster
- CiteBase
- DOAJ
- .LRN
- EducaNext
- Course Online

In preparation:
(CiteSeer)
(EBSCO)
(ProQuest?)
(...)

All together significantly more than 10,000,000 artefacts!

Bloggging to Share Knowledge?



- Blogosphere shows a **bursty evolution** (Kumar et al., 2003): in scale, community structures, and connectedness
- 57.5% of authors are **pupils & students** (Herring et al., 2004)
- 70.4% **personal journals**, clearly less for filtering & knowledge sharing
- Schmidt & Mayer (2007): **k-loggers are workers**, rarely pupils & students
- Key Motivations: **community building** and **social networking** (Nardi et al., 2005; Schiano et al., 2004)

Blogging to Share Knowledge



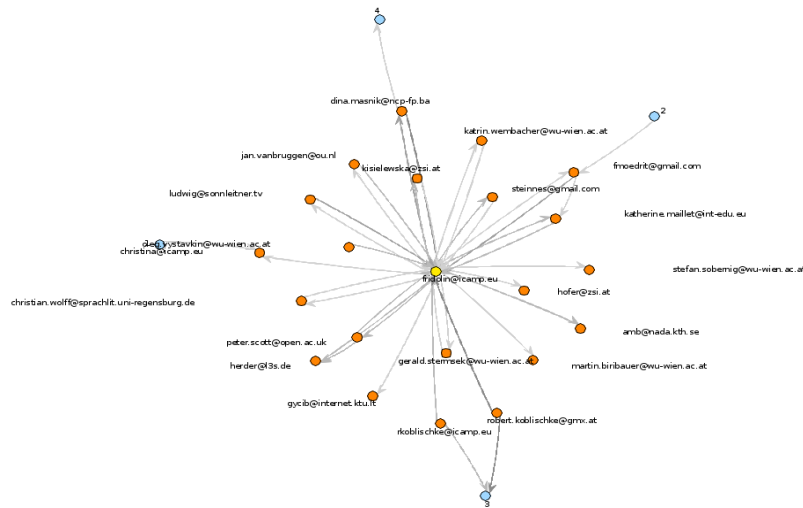
The screenshot shows a WordPress blog interface. At the top, there's a navigation menu with 'Dashboard', 'Write', 'Manage', 'Comments', 'Blogroll', 'Presentation', 'Plugins', 'Users', 'Options', and 'Read'. Below this is a sub-menu with 'Read', 'Manage Subscriptions (1)', and 'My Readers'. A notification bar says 'You have 1 pending offers!'. The main content area shows a post from 'Fri, 3 Aug, 2007 from Ahmet's Blog' titled 'Ten Years ago'. The text of the post describes a crack commando unit and includes a 'Reply' link. A 'Channels' sidebar on the right lists 'Ahmet's Blog'. A large red watermark 'Now: Feedback enabled!' is overlaid diagonally across the post content.

iLogue: Record, Contract, Reflect

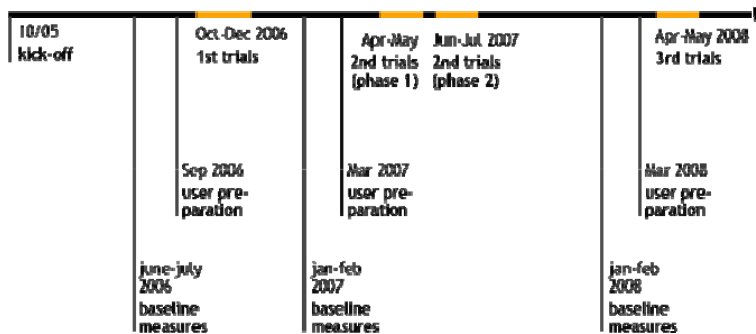


The screenshot displays the iLogue interface. On the left, a form titled 'My iLogue' contains four sections: 'What is the topic of my study project?', 'What is my purpose/are our purposes for this study project?' (with a paragraph of text and 'testing' below), 'What actions will I take?' (with 'Will read more, will be working harder, try to avoid sleeping.'), and 'What resources do I intend to use?' (with a paragraph of text). On the right, a sidebar lists 'MY RECORDS', 'MY CONTRACT', and 'MY BIRDEYE'. The interface is styled with blue and grey tones and includes a vertical bar with colored circles on the right side.

Myidentity: Managing Informal Infloows



Validation



Contextual constraints:

- accreditation, time schedule, curriculum...
- language, cultural differences...
- facilitator's performance...



1st trials



- Semi-structured interviews with facilitators and students
- Student and facilitator online survey
- Communication diary
- Student assesement schema
- Analysis of communication archives (Blogs, emails, MSN chat and videorecording)



Results



- Careful selection of the ,right‘ student participants (heterogenous in level of knowledge, motivation and committment)
- Equal access to selected tools
- Systematic training of tool use
- Moderately stuctured setting with concise instructions supports SDL approach
- Inter-cultural vs. Interdisciplinary



Some research issues for the future



- Second trials with different users – not connected with iCamp
- Economical research (gain high enough to justify complex and expensive OLE)
- Technical solution for equal access to tools



Thank you



www.icamp.eu

