

# Innovation as distributed, collaborative knowledge generation

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Edumedia 2009: e-creativity and e-innovation

May 4-5, 2009, Salzburg, Austria

**Centre for Learning Sciences and Technologies**

[celstec.org](http://celstec.org)



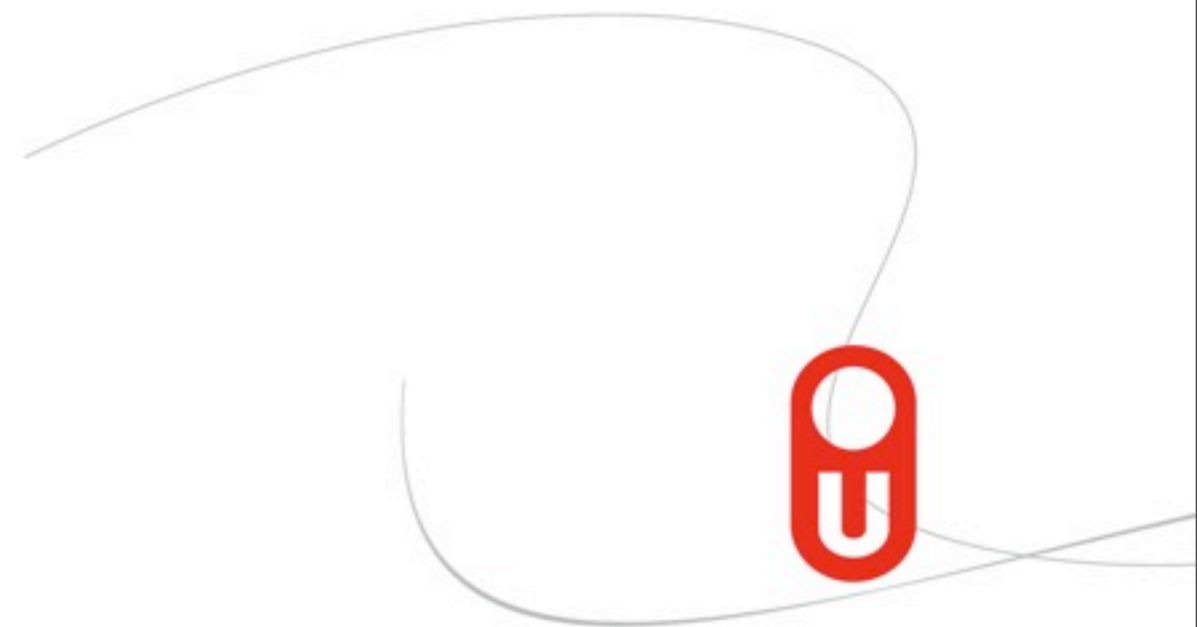
# Overview

- the 'open movement'
- modern variant of received view of open learning (*Learning Network*)
- its relevance to open innovation (*idSpace*)



# The 'Open Movement'

- Open Standards
- Open Source & Resources
- Open Learning
- Open Innovation



# Open Standards

- perhaps oldest member
- about interoperability
- creates a level playing field for vendors, contra monopolies, a moral, regulatory stance
- but: also economic benefits for consumers, more competition, no vendor lock-in



# THE SUCCESS OF OPEN SOURCE

## Open Source

- a moral stance
- Richard Stallman's Free Software Foundation
- later on, also a pragmatic choice
- make money through services, not code
- maintain code jointly

Steven Weber



# Open Learning

- started in the 1970s and 80s, OU, OUNL, ...
- a moral stance: access to education for all
- now also a pragmatic choice
  - catering for the knowledge economy's needs
  - fighting the rising cost of education



# How about Open Innovation?

- 2001 Henry Chesbrough
- Buy the IP you don't want or cannot develop yourselves
- So a pragmatic stance only ...
- How about the moral aspect here?




# My argument

- There is also a moral stance to open innovation
- It is worth pursuing
- It can best be pursued through a networked approach
- And I have a suggestion for how ...



# Learning Networks



- Learning Networks, new bid for open learning
  - addressing both moral & pragmatic stance
  - *distributed*: online networks of partially overlapping communities
  - *collaborative*: peers support each other
  - *AHTCS*: for community formation
- 


# Learning Networks (2)

A background network diagram consisting of several red circular nodes of varying sizes, each containing a smaller grey network structure. These nodes are interconnected by thin grey lines, forming a complex web. In the bottom right corner, there is a red icon resembling a paperclip or a stylized 'U' shape, connected to the network lines.

- using web 2.0 technologies
- using any resource available, but thriving on open (educational) resources
- using open source-like business model: make money through additional services

# Networks for Open Innovation



- by analogy:
  - open innovation should be able to profit from a similar networked approach
  - *distributed*, making use of existing and newly developed networks
  - *collaborating* on advancing the state of the art
  - *AHTCS*: for community formation
- 

# Networks for Open Innovation (2)

A background network diagram consisting of several red circular nodes of varying sizes, interconnected by thin grey lines. Some nodes contain smaller grey network icons. A red paperclip icon is located in the bottom right corner, connected to the network lines.

- using existing open resources
- making its resources widely and freely available (no patents on software)
- business models, to be developed
- in the pre-competitive phases only



# idSpace

- FP7 funded STREP, 2 years, ends early 2010
- develops tooling for distributed, collaborative product innovation
- stores ideas as topic maps (open standard!)
- uses a pluggable, portal approach

# In conclusion

- As in other instantiations of the open movement, there is a moral argument that demands new knowledge to flow freely
- Chesbrough pointed to some benefits
- As in the other instantiations, time will teach us there are more unanticipated benefits



The idSpace project is partially supported by the European Union under the Information and Communication Technologies (ICT) theme of the 7th Framework Programme for R&D.

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