

California's Community Colleges

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Education Technology

Catherine M. Casserly
Marshall S. Smith
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UNESCO's Deputy Asst Director General for Communication and Information



⌘ *“Knowledge has become a principal force of social transformation. Knowledge-based and -led development holds the promise that many of the problems confronting human societies could be significantly alleviated if only the requisite information and expertise were systematically and equitably employed and shared.”*

Problems with Using Academic Content on the Web

⌘ Lack of Access

- ☑ Technical -- Reliability, Bandwidth, Search Engines, Interoperability

- ☑ Cost

⌘ Lack of Quality

- ☑ Not Harnessing Power of Technology

- ☑ Little Quality Control

- ☑ Few Mechanisms to Evaluate, little evidence of value added

Basic Strategy

- ⌘ Focus on high quality exemplars to enhance teaching and learning
 - ☑ Courseware, full courses, modules, learning objects, library collections, journal related data, etc.
- ⌘ Make free, accessible and reusable
- ⌘ Examine and address problems in use
- ⌘ Develop sustainable models

Operating Hypothesis

- ⌘ Establish standards of practice
- ⌘ Stimulate other institutions to freely share
- ⌘ Materials are intended to support the improvement of teaching, learning and research
- ⌘ Help to equalize access

Challenges to Open Knowledge

- ⌘ Intellectual Property
- ⌘ Cultural - Adaptations, translations
- ⌘ Academic - Institutional Incentives
- ⌘ Understanding Use
- ⌘ Technological - interoperability, search strategies, structure of knowledge
- ⌘ Financial - initial capital, sustainability

Funding Examples

- ⌘ MIT OpenCourseWare, ocw.mit.edu
- ⌘ Carnegie Mellon, Open Learning Initiative
cmu.edu/cmoli
 - ⊗ Causal Reasoning, Chemistry, Economics, Logic, Statistics
- ⌘ Rice U, Connexions, cnx.rice.edu
- ⌘ Harvard, Open Collections,
Women, Enterprise, and Society
- ⌘ UC Berkeley, Digital Chem 1A,
cchem.berkeley.edu/~chem1a/spring03

Funding Examples

- ⌘ Meetings - national and international implications, learning objects and intellectual property.
- ⌘ Use Studies - OECD, UNESCO, UC Berkeley, IAS
- ⌘ Meetings on the Horizon - Repositories Community Building and Sharing

Possible Community College Models

⌘ Content Model

- ☑ Course materials from core subject areas, top 15 courses?

- ☑ Full courses in modular form

⌘ Process Models for Building/Using

- ☑ Community model, highly collaborative, communication embedded

- ☑ Expert model