The Current Trend of Open Learning: Prospects and Issues in OER and ESD

SOKEN-OER
1st Open Workshop
(Opening Remarks)
August 13, 2010
Toshio Kobayashi
The Center for the Promotion of Integrated Sciences
The Graduate University for Advanced Studies (SOKENDAI)
Hayama, Kanagawa
Background of The Project

Stemmed out of Research Activities at NIME

- Advancement of International Distance Education – AIDE
- Promotion of cross-border collaborative project via VC based on “Linguapolitical” concept (Kobayashi-Deguchi Project)
- Collaboration with OECD/CERI in OER Research
- Membership in Japanese National Commission for UNESCO
- Engagement in OER Project by UNESCO Institute for Information Technologies in Education (IITE)
ICT-based education inevitably makes the learning:

- Borderless
- Culture bound
- Open
- Transnational
- Multicultural
Cross border educational exchange via multidirectional videoconferencing

Promotion of network-building among HUBs
Learning and Research Activities

Lecture Series
• Special topics
• Supplement to classes
• Discussions
• Team Teaching

Research Exchange
• Data exchange
• Mini-workshop
• Forum
• symposium

Education Exchange
• Graduate students
• Undergraduate students
• Joint classes by e-Learning
• Collaborative learning
• Peer Evaluations
Multi-point VC sessions

The 1st trial session by the use of IP-based Polycom VC (Nov. 2007)

Series of educational exchange networking experiments with 3 universities in Europe (Austria, Russia and Turkey)
Multi-point VC Workshops 2
(Asia and Oceania)

Series of trial sessions conducted by the use of IP-based Polycom VC (Jan. 2009)

- Multilateral workshops initiated by NIME team and jointly organized with Multimedia University (MMU), Malaysia and Edith Cowan University (ECU), Australia
- A Primary VC workshop focusing on international education and student mobility held at MMU on March 11, 2009,
Joint Classes focusing on Language Learning Between Japan and Austria

A preparatory discussions by the use of IP-based Polycom VC (Jan. 2009)

- Launched as a sub-project to the multi lateral VC workshops with European Partner universities.
- Organized between Japanese language learning students at University of Innsbruck (UIBK) and students majoring international communication at Kanda University of International Studies (KUIS), Chiba.
- Series of joint classes planned and implemented between KUIS and UIBK.
e-movement & o-movement

- **1990’s e-decade**
  e-business, e-mail, e-government, e-learning

- **2000’s o-decade**
  open sources, open systems, open standards, open archives, open everything

(Materu, 2004)
open initiatives

- OSS (Open Source Software)
- OER (Open Educational Resources)
- OCW (Open Course Ware)
- Open Access Publishing
- Open Standards
- Open License, etc
Open Educational Resources - OER

1. Openness

- **In the social domain**
  - freedom to use
  - freedom to contribute
  - freedom to share

- **In the technical domain**
  - functional (use of open standards)
  - developmental (use of open source software)

- **As a characteristic of the resource**
  - public goods
  - open fountain of goods

(OECD, 2007)
2. Educational

- Formal education
- Non-formal education
- Informal education
3. Resources

- learning contents
- Learning Courseware: MIT OCW, Paris Tech, JOCW
- Learning Objects: MERLOT, Connexions, ARIADNE
- Reference: Internat Archive, Google Scholar, LC, Wikis

- **Tools (OSS)**
  - CMS: EduCommons
  - LMS: Moodle, Sakai
  - Development Tools: Connexions
  - Social software: Wikis, H20, OSLO research

- **Implementation resources**
  - Licensing Tools: Creative Commons, GNU Free Documentation
  - Best Practices: CMU (design principles)
  - Interoperability: IMS, SCORM, OII

(Margulies, 2005)
School of Cultural and Social Studies
- Department of Regional Studies
- Department of Comparative Studies
- Department of Japanese Studies
- Department of Japanese History
- Department of Cyber Society and Culture
- Department of Japanese Literature

School of Physical Sciences
- Department of structural Molecular Science
- Department of Functional Molecular Science
- Department of Astronomical Science
- Department of Fusion Science
- Department of Space and Astronautical Science

School of High Energy Accelerator Science
- Department of Accelerator Science
- Department of Materials Structure Science
- Department of Particle and Nuclear Physics

School of Multidisciplinary Sciences
- Department of Statistical Science
- Department of Polar Science
- Department of Informatics

School of Life Science Department of Genetics
- Department of Basic Biology
- Department of Physiological Sciences

School of Advanced Sciences
- Department of Evolutionary Studies of Biosystems
- Department of Biosystems Science
- Department of Photoscience

SOKENDAI with High Potentials in contributing to Open Learning Communities
SOKENDAI - Areas of Studies

- Physical Sciences
- Social Sciences
- Natural Sciences
- Arts and Humanities
- Life Sciences

ICT
Future prospects

- Expanding potentials for inter-departmental collaboration and joint acquisition of grants within Sokendai
- Increasing international profile and visibility of Sokendai and participants
- Promoting further collaboration with institutions in other parts of the world
- Building up global learning networks
Global Collaborative Networks

All partners use “Englishes” as interactive communication tools