Open Sharing: Vision, Actions and Sustainability — Perspective from China

Purpose: Information
Submitted by: China

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Open Sharing: Vision, Actions and Sustainability

------ Perspective from China

Reporter: Dr. & Prof. Liu Meifeng and Mr. Wang Dali

Overview

1. **Background of Open Sharing and Its Significance**

2. **Global Actions of Open Sharing**

3. **Actions of Open Sharing in China**

4. **Sustainability of Open Sharing**

5. **Vision of Open Sharing**

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1. Background of Open Sharing and its Significance

• **Society transition**

Main characteristics of Information Society :

- Cycle of knowledge upgrade
- Knowledge divide
- Knowledge creation

Necessity of Open sharing of knowledge for society progress

Possibility for open sharing provided by technology development

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2. Global Actions of Open Sharing

• **There are many kinds of actions of Open Sharing in the world**

(1) Developing their own OCW and Open Sharing

- **Around 70 institutions in 19 countries with live OCW materials**

  Such as: United States, United Kingdom, China, Austria, France, Japan, Vietnam, Hungary, Netherlands, Peru, Spain and Portugal, Venezuela, South Africa, etc.

- **Over 100 institutions and organizations collaborating with 9 languages**

Slide 1

OpenCourseWares — From MIT, Anne Margulies, Sept. 2006

Austria
- University of Klagenfurt

China
- China Open Resources for Education
  - Beijing Jiao Tong University
  - Beijing Normal University
  - Central Radio and TV University
  - Central South University
  - Dalian University of Technology
  - Peking University
  - Sichuan University
  - Tsinghua University
  - Xi'an Jiao Tong University
  - Zhejiang University
  - Plus 150 others

France
- ParisTech OCW
  - Agronomie
  - Arts et Métiers
  - Chimie Paris
  - Eaux et Forets
  - Ecole des Mines de Paris
  - Ecole Polytechnique
  - Physique-Chimie France
  - Ponts et Chausse
  - Statistiques et Economie
  - Techniques Avance
  - Telecom Paris

Hungary
- Eotvos Lorand University

Japan
- Japan OCW Consortium
  - Hokkaido University
  - Keio University
  - Kyoto University
  - Kyushu University
  - Nagoya University
  - Osaka University
  - Tokyo Institute of Technology
  - University of Tokyo
  - Waseda University
- United Nations University

Netherlands
- Open Universiteit Nederland

Spain and Portugal
- Universia Spanish and Portuguese Translations
- Universia OCW
  - Universidad Alicante
  - Universidad Aveiro
  - Universidad Barcelona
  - Universidad Carlos III de Madrid
  - Universidad Islas Baleares
  - Universidad Jaume I
  - Universidad Murcia
  - Universidad Oviedo
  - Univ. Politécnica de Madrid
  - Univ. Politécnica de Valencia
  - Universidad Rovira i Virgili
  - Univ. Santiago de Compostela
  - Universidad Sevilla

South Africa
- University of the Western Cape

Peru
- Universidad Nacional Mayor de San Marcos

United Kingdom
- Fahamu
- Open University

United States
- Defense Acquisition University
- Harvard Law School, Berkman Center for Internet and Society
- Johns Hopkins School of Public Health
- Massachusetts Institute of Technology
- Michigan State University
- Tufts University
- University of Michigan School of Information
- University of Notre Dame
- Utah State University
- Utah Valley State College
- Weber State University
- Wheelock College

Venezuela
- Universidad Central de Venezuela

Vietnam
- Fulbright Economics Teaching Program
- Vietnam Open International Courseware Education (VOICE)

Affiliates
- African Virtual University
- Opensource Opencourseware Prototype System
- WiderNet Project eGranary Digital Library

Slide 2

People's Republic of China

2. Global Actions of Open Sharing

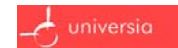**•There are many kinds of actions of Open Sharing in the world**

(1) Developing their own OCW and Open Sharing

(2) Translation and localization of OCW and Open Sharing

CORE — China Open Resources for Education — Translation into Simplified Chinese

universia — Translation into Spanish and Portuguese

OOPS — Opensource Opencourseware Prototype System — Translation into traditional Chinese

Chulalongkorn University — Translation in to Thai

Slide 3

People's Republic of China

2. Global Actions of Open Sharing

•There are many kinds of actions of Open Sharing in the world

(1) Developing their own OCW and Open Sharing
(2) Translation and localization of OCW and Open Sharing
(3) Utilization of Quality OCW and Making Comparative Study

CORE (China Open Resources for Education) organized her ten lead universities to integrate MIT OCW into their classroom teaching and write comparative study report.

Slide 4

People's Republic of China

2. Global Actions of Open Sharing

•There are many kinds of actions of Open Sharing in the world

(1) Developing their own OCW and Open Sharing
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(3) Utilization of Quality OCW and Making Comparative Study
(4) Developing Course Management System for OCW (including other educational tools) and Open Sharing

Such as:
TUSK (Tufts University Sciences Knowledgebase) from **Tufts University**
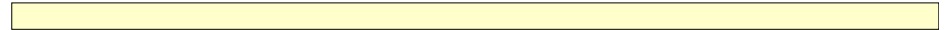**eduCommons** from **Utah State University**

2. Global Actions of Open Sharing

• **There are many kinds of actions of Open Sharing in the world**

- **(1) Developing their own OCW and Open Sharing**
- **(2) Translation and localization of OCW and Open Sharing**
- **(3) Utilization of Quality OCW and Making Comparative Study**
- **(4) Developing Course Management System for OCW (including other tools) and Open Sharing**
- **(5) Community Mutually Developing Open Source Software and Open Sharing**
  - **Such as: Sakai Project, Community model, and user-tailored**

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2. Global Actions of Open Sharing

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- **(5) Community Mutually Developing Open Source Software, and Open Sharing**
- **(6) Providing Technology/Infrastructure, working with Content Owners/Creators, collecting various types of content and Open Sharing**
  - **Such as: Internet Archive**

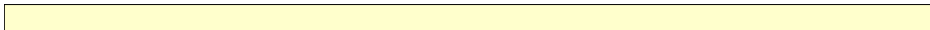## 2. Global Actions of Open Sharing ---- Internet Archive

The Role of Internet Archive:

If you contribute open content…, and if you agree to sharing, use, and reuse, We will provide you with:

Unlimited Storage, Unlimited Bandwidth, Forever, For Free

Its Mission: Global Access to All Intellectual and Creative Works

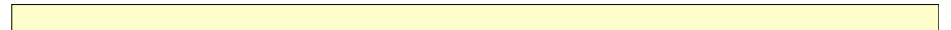**It is an unique model of open sharing**

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- **(7) ......**

2. Global Actions of Open Sharing

•There are many kinds of actions of Open Sharing in the world

•There are different levels of Open Sharing according to our experience

(1) Open Sharing to the world
   Mainly funded by foundations, or national government,
   Also by University Consortium, even by universities themselves
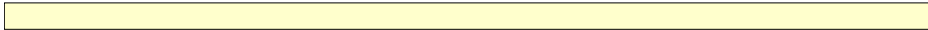
(2) Open Sharing to defined Schools
   Government project, funded by government

(3) Open Sharing between universities or districts
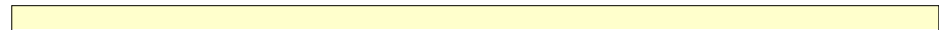   Funded by those universities; belongs to area cooperation or university cooperation

(4) Open Sharing to all students and teachers in a university or a district
   Funded by the university
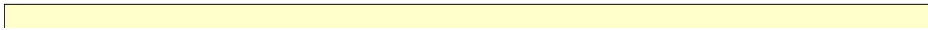
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3. Actions of Open Sharing in China

• Top priority on applying information technology into education since the later of 1980s.

• Invested a lot on the infrastructure for schools and universities.

• Educational resources development and open sharing came into being the focus in China from the end of last century

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3. Actions of Open Sharing in China

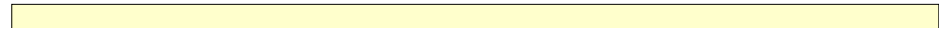National Level – Promote utilization of educational resources and open sharing

• May 2000，MoE launched *New Century Web-based Courses Project*
   300 good quality web-based courses with many other learning
   resources open sharing to the world. 30 million RMB invested
   (http://col.njtu.edu.cn/zskj/)

• 2003-2007 MoE *Action Plan for Application Information Technology into Education*
   Quality Courses and Educational Renovation Project in Higher Education, there will be
   1500 quality courses published on the web, open sharing to the world. Around 1110
   Quality courses published by now. There is corresponding provincial level quality courses
   chosen, open sharing to the world. CORE supported writing of Quality Courses into English.
   (http://www.core.org.cn/cn/jpkc/index_lei.html)

• Oct. 2003，Department of Higher Education in MoE, '*National Modern Distance
   Education Resources Database Project*', it will be a distributed multiple instructional
   resources management platform, most of them are open sharing
   (http://www.mder.com.cn/WebCenter/)

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3. Actions of Open Sharing in China

National Level – Promote utilization of educational resources and open sharing

• May 2002，MoE entitled *National Basic Educational Resources Database(website)*
   Open Sharing, Grade 1-12   (http://www.cbern.gov.cn)

• 2003, MoE launched *Modern Distance Education Project for School Education in Countryside*
   One of the three model, Model II (Satellite) is open and free to all schools in
   countryside in China

3. Actions of Open Sharing in China

Area Level --- Universities Cooperation, Open Sharing to Each Other

- *Tai Lake Proclaim--- Ten Universities in Shanghai, Jiangsu and Zhejiang'*
- *Western Area Universities Open Sharing System of Quality Educational Resources*
- *Beijing Five Universities Open Sharing of Educational Resources Discussion*

Provincial Level --- For school education

- Integrating educational resources and open sharing to the Province, mostly for school education.

University Level

- University collects and produces educational resources and open sharing to all students and faculty in the University

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3. Actions of Open Sharing in China
-- CORE (China Open Resources for Education)

Established in 2004, funded by Hewlett Foundation and IET (International Engineering Technology) Foundation

Mission: Provide Quality and Opportunity in Education for China

Objectives

- Adopt World-Quality Courses for translation and utilization in China

  So far, there is 183 MIT OCW translated into Chinese and published on the web, 245 MIT OCW applied into class in CORE's Lead Universities, there are 87 comparative study reports finished.

- Translate Quality Chinese Courses into English to Share Globally

  12 Quality Courses written into English and will be published by the end of 2006

- Attract Large Membership and Users

  10 Lead Universities, more than 70 member universities, 1035 volunteers

- Promote utilization by Institutions and Individuals

  annual Conference, seminars, comparative study, etc.

Http://www.core.org.cn

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4. Sustainability of Open Sharing

- Participation of content owner/ creator

- Copy right --- Creative Common

- Technology Issue --- Easy access, easy made, Interoperation, unified

- Utilization –-- from learners' perspectives

- Quality

- Funding

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5. Vision of Open Sharing

- Equalize access to knowledge, provide more educational opportunities
  --- Shorten knowledge divide

- Advance education quality for both sides:
  --- Knowledge absorber and Knowledge creator

- Preserve cultural works and promote cultural communication

- Promote society progress for the benefit of all people around the world

- Need regional and global cooperation, and need wide participation

Overview

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5. Vision of Open Sharing

Thank you for your attention, and welcome to China in 2008

Reporter: Dr. & Prof. Liu Meifeng and Mr. Wang Da