

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

SOKEN-OER

1st Open Workshop

(Opening Remarks)

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# Background of The Project

## Stemmed out of Research Activities at NIME

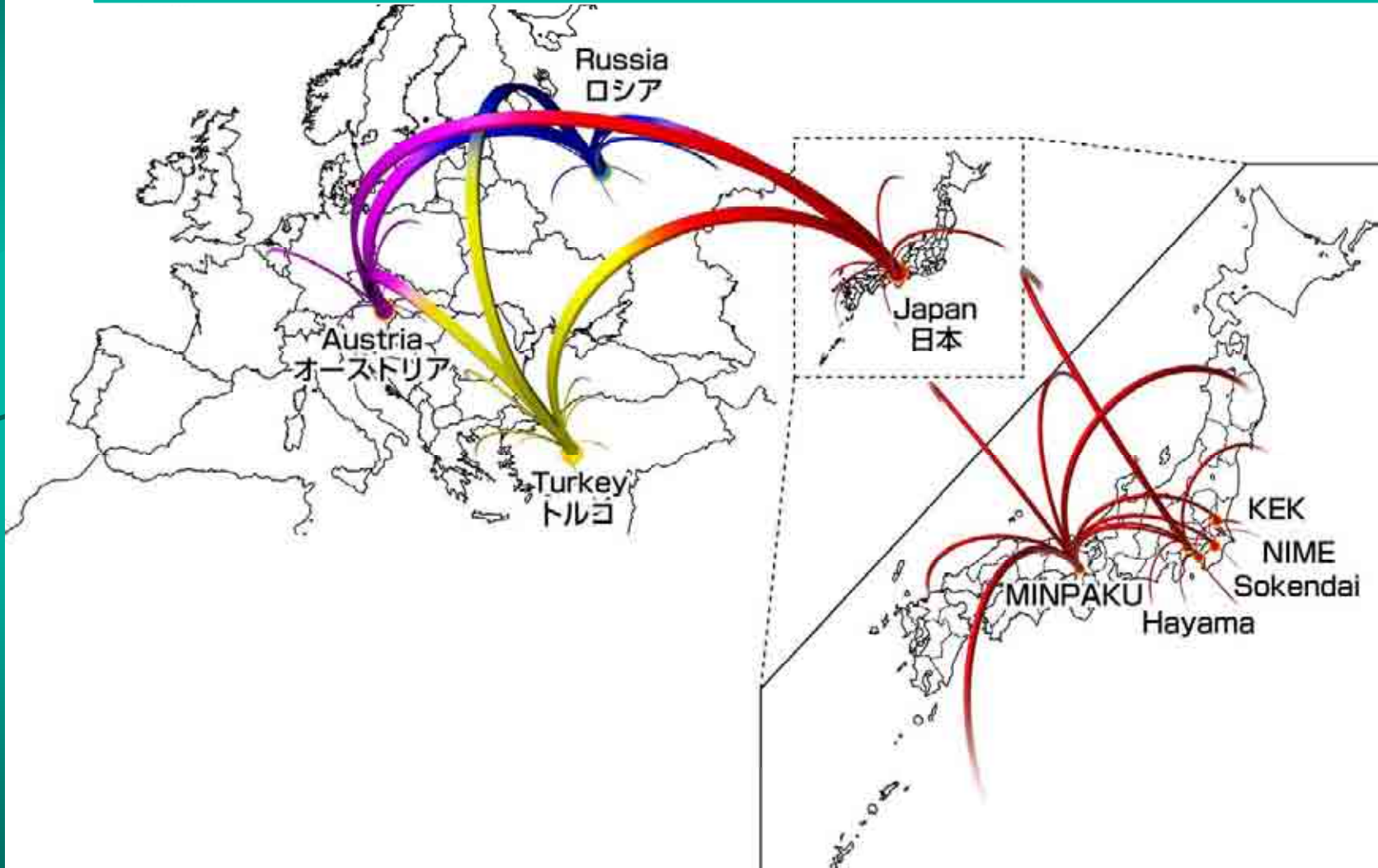
- Advancement of International Distance Education – AIDE
- Promotion of cross-border collaborative project via VC based on “Linguapolitical” concept (Kobayashi-Deguchi Project)
- Collaboration with OECD/CERI in OER Research
- Membership in Japanese National Commission for UNESCO
- Engagement in OER Project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

# ICT-based education inevitably makes the learning:



- Borderless
- Culture bound
- Open
- Transnational
- Multicultural

## 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 1<sup>st</sup> 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, H2O, OSLO research
- Implementation resources
  - Licensing Tools: Creative Commons, GNU Free Documentation
  - Best Practices: CMU (design principles)
  - Interoperability: IMS, SCORM, OKI

(Margulies, 2005)

# SOKENDAI with High Potentials in contributing to Open Learning Communities



## 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

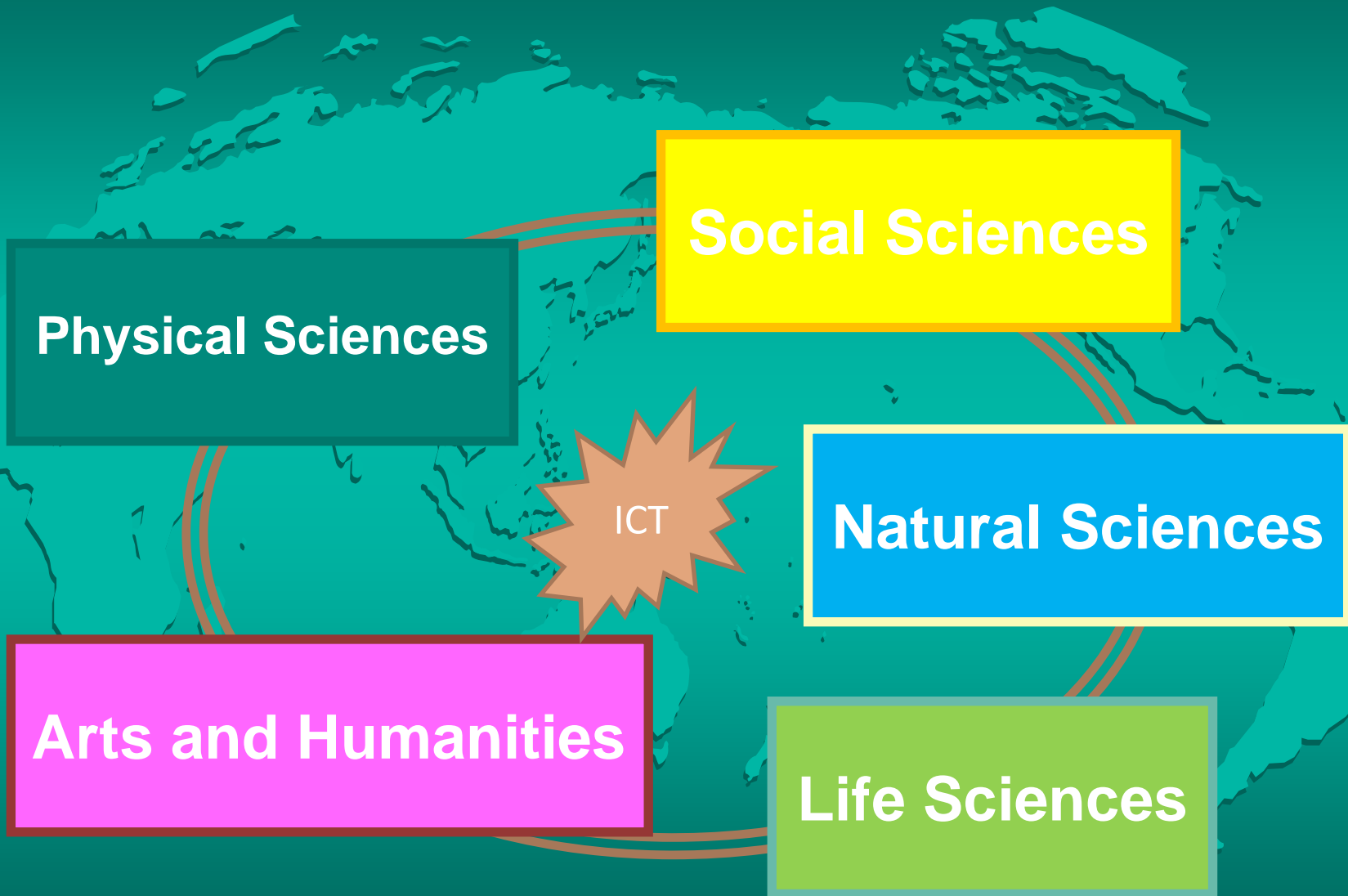
- Department of Basic Biology
- Department of Physiological Sciences

## School of Advanced Sciences

- Department of Evolutionary Studies of Biosystems
- Department of Biosystems Science
- Department of Photoscience



# SOKENDAI - Areas of Studies



# Future prospects

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

# Global Collaborative Networks

## Europe



SPbSPU



UIBK



ANADOLU



## East Asia



OUJ/SOKENDAI



## South Asia



## Oceania



## South America



All partners use “Englishes” as interactive communication tools