



**WEBINAR: OPEN EDUCATION FOR LIFELONG LEARNING:
IDEAS, APPROACHES AND PRACTICES**

KOCW(Korea Open Courseware) :
Supporting individual learners' needs

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**Korea Education and Research Information Service
(Visiting Researcher Scholar of GeorgiaTech)**

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Introduction



ICT in Education: Overview



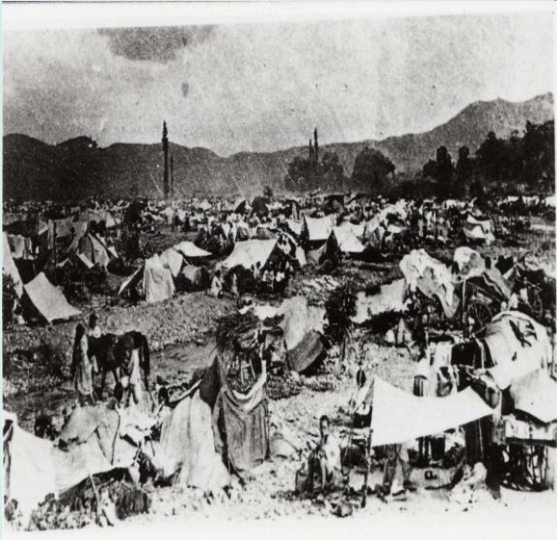
OER : KOCW



Conclusion

I. Introduction

Rapid Growth of Education of Korea



67\$, 1953, 1 per GDP



541 times
(70 years)

* Education



36,239\$, 2024 1 per GDP

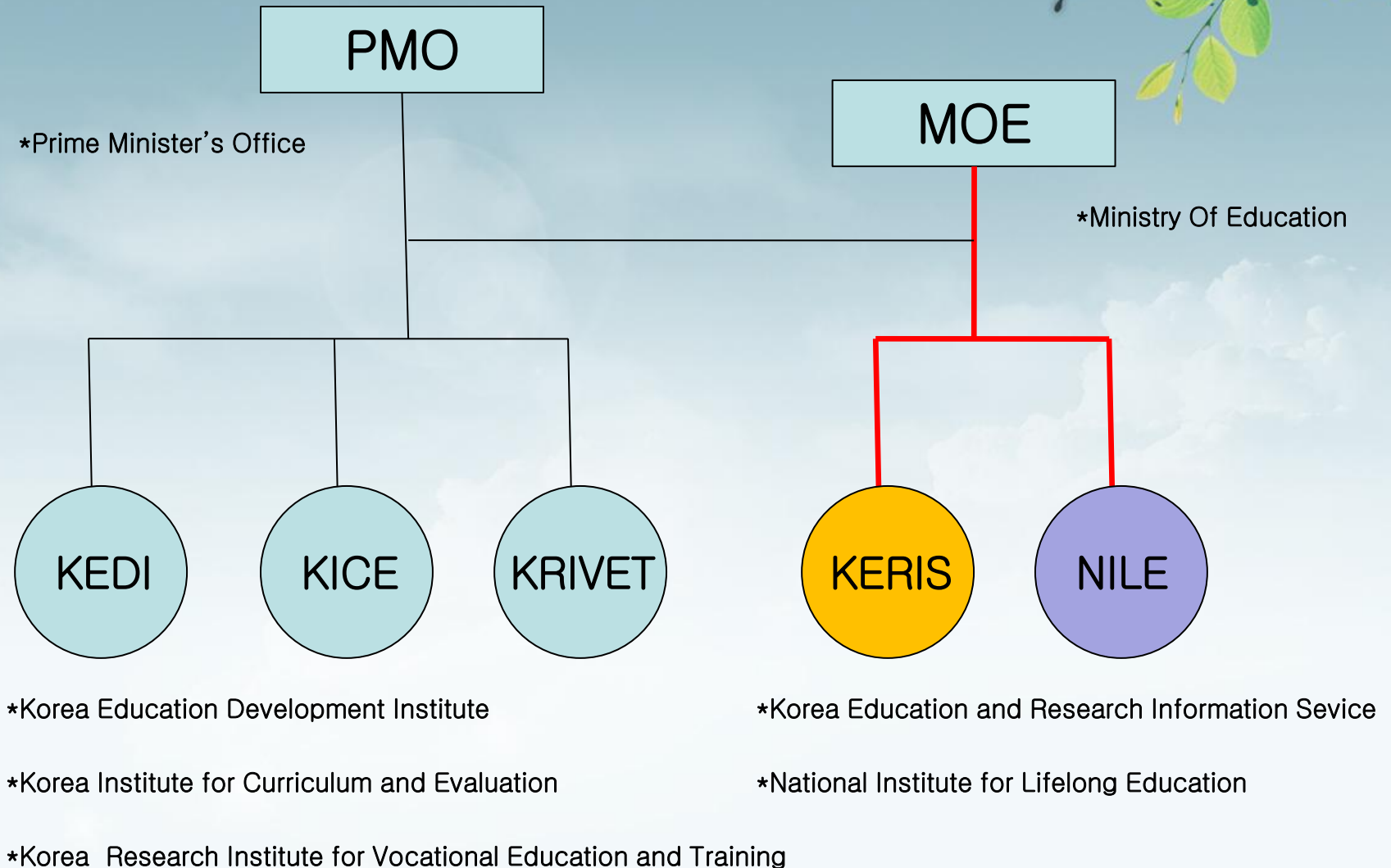
1	us United States
2	DE Germany
3	GB United Kingdom
4	FR France
5	IT Italy
6	JP Japan
7	KR South Korea
8	RU Russia
9	MX Mexico
10	TR Türkiye



* 1 GDP(Over 50million People)

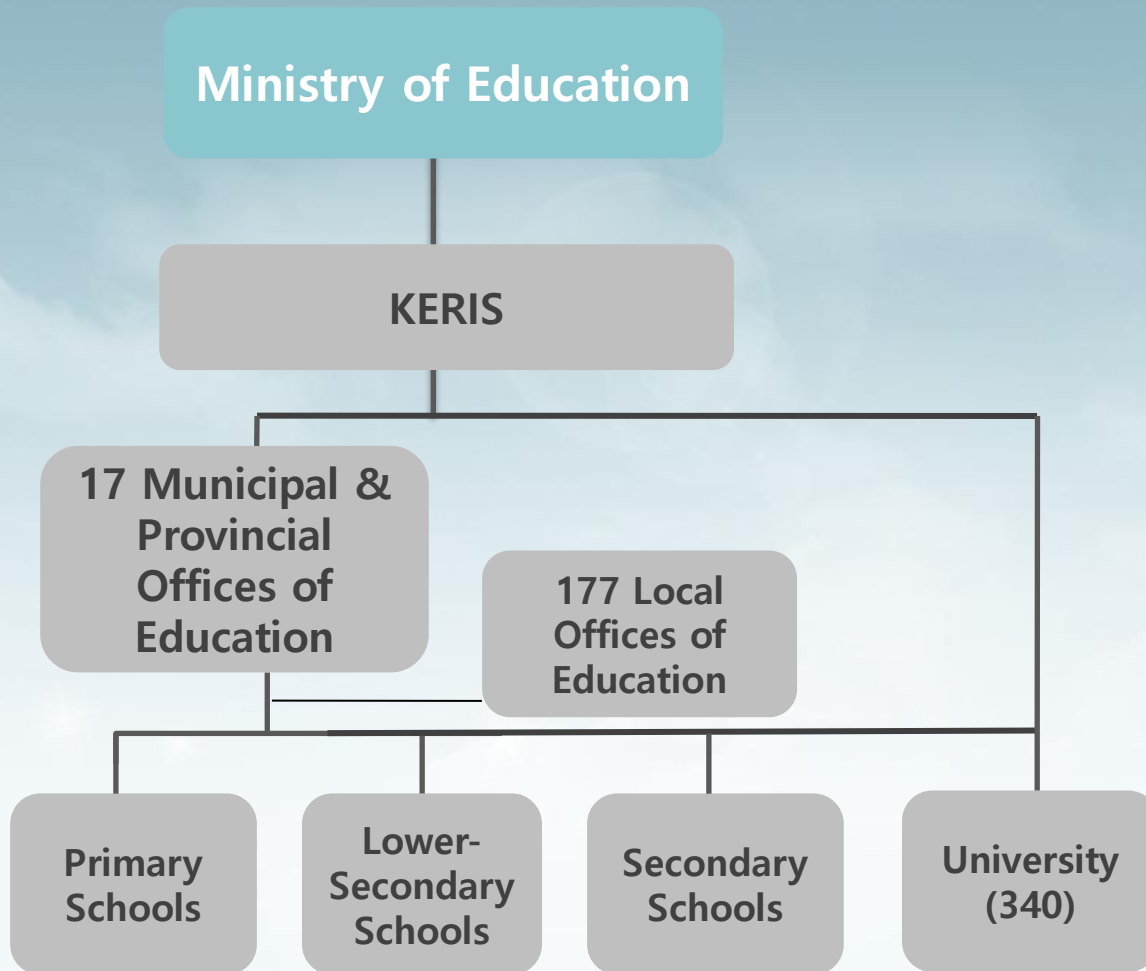
I. Introduction

Education Organization in Korea



I. Introduction

Role of KERIS



Roles

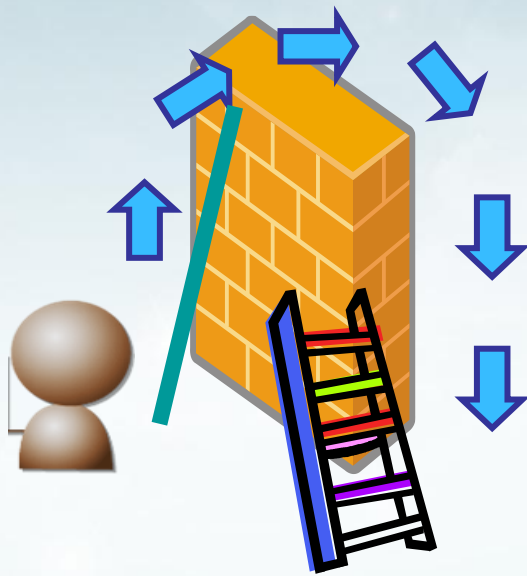
- Advisor for policy development
- Coordinator for policy implementation
- Think-tank for R/D
- Center for service operation

K-12:www.edunet.net, HE and LL:www.kocw.net, Researcher:www.riss.kr

Why use ICT in Education?



Overcome **Limitation**
= **ladder of hope**



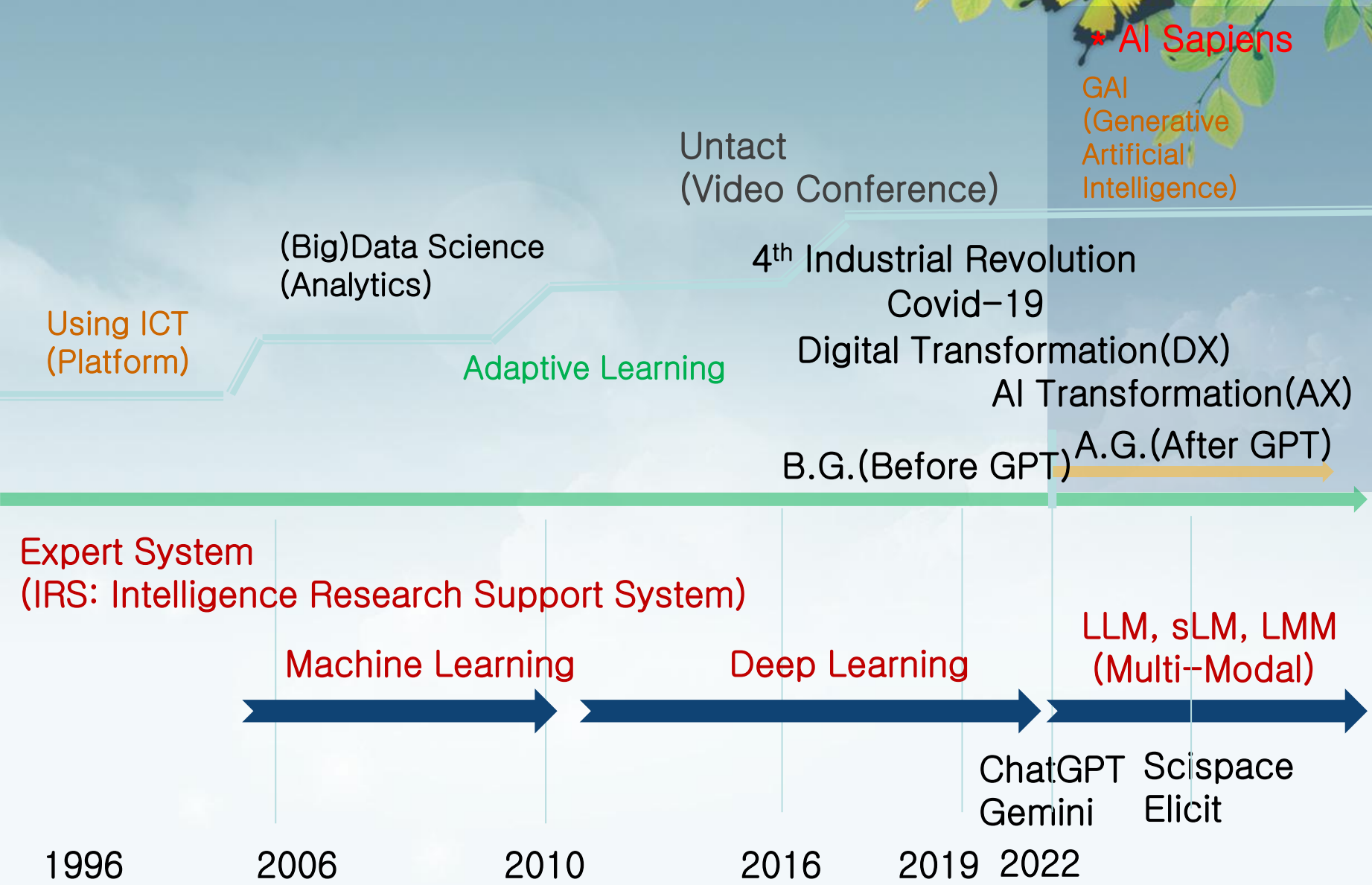
Economy

Distance

Lifetime

I. Introduction

Progress using ICT in Education?



Why use ICT in Education?



Explosion of
Data

(recently 1year>past 100year)

Development
of
Algorithm

(Machine learning and
Deep Learning)

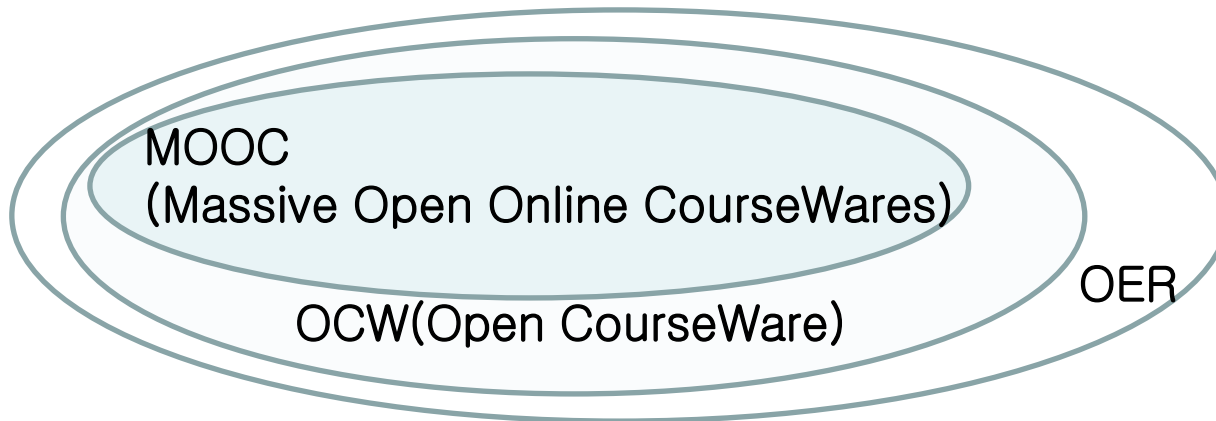
Improvement
Of Computing
Performance

(GPU, Cloud, IoT, Storage)

OER/OCW/MOOC

WikiEducator

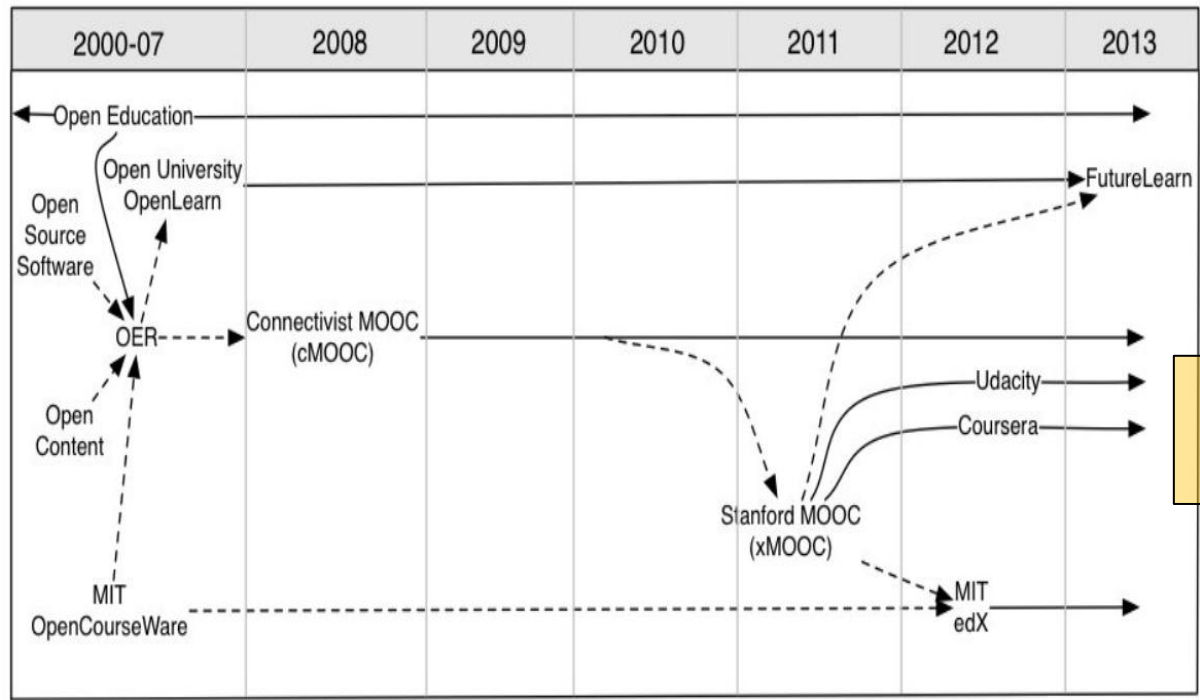
“(OER refers) to educational resources (lesson plans, quizzes, syllabi, instructional modules, simulations, etc.) that are freely available for use, reuse, adaptation, and sharing”



UNESCO Forum (2002)

“Teaching, learning and research materials in any medium, digital or otherwise, that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation and redistribution by others with no or limited restrictions. Open licensing is built within the existing framework of intellectual property rights as defined by relevant international conventions and respects the authorship of the work”

History of OER



- Alison(Spain)
- Fun(France)
- Iiversity(Germany)
- Open2Study(Australia)
- JMOOC(Japan)
- XuetangX(China)

KOCW/KMOOC(Korea)

- OOO(Thailand)
- OOO(Malaysia)...

-----> An influence
 —————> Directly related

Yuan, Li, and Stephen Powell, MOOC and Open Education(2013)

KOCW, Korea Open Course Ware

Korea Open Course Ware (KOCW)

Open & Share Online Lecture
Contents of Korean Universities



III. ICT in Education: Case

KOCW, Korea Open Course Ware

Free and open online lecture contents service for higher education (since 2008)



Domestic Universities	<ul style="list-style-type: none"> ▪ Online lecture contents and the related course materials opened by universities ▪ Humanities, social Sciences, natural sciences, engineering, pharmacy, education
Universities overseas	<ul style="list-style-type: none"> ▪ Lectures from MIT OCW, Stanford Engineering Everywhere, Open Yale, TED, YouTube/EDU
Noble Laureates series	<ul style="list-style-type: none"> ▪ Lectures by Nobel Prize winners of the their special series
Special pages	<ul style="list-style-type: none"> ▪ Let's learn Korean ▪ KOCW learning languages ▪ Pre-taking university introduction courses



<www.kocw.net>

III. ICT in Education: Case

KOCW, Korea Open Course Ware

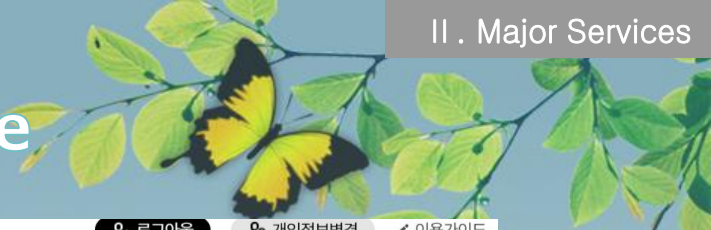
KOCW Statistics




	2010	2011	2012	2013	2014	2015	2025
Courses	1,922	2,911	4,992	7,156	9,970	11,006	20,000
Materials	133,663	153,821	185,553	221,488	255,378	272,570	350,000
Participating institutions	110	131	164	182	194	198	240

III. ICT in Education: Case

KOCW, Korea Open Course Ware





Korea Open CourseWare

강의분류 공지사항 KOCW소개 내강의실

로그아웃 개인정보변경 이용가이드

전공분야

HOME > 강의분류 > 전공분야

강의명이나 교수명을 검색해보세요

상세검색

Humanities

Sociology

Engineering


Natural Sciences

Education


Medicine

Arts and Physical


과학 >




영어 통사론
경북대학교 하승완




세계의 축제와 공연문화
대구대학교 박진태



성격심리학
우석대학교 김주연




영어프레젠테이션
영남대학교 길혜령




한국어인증실습
건국대학교 박혜란

과학 >



아이돌보기 A부터 Z까지
부산디지털대학교 엄세진



Korea Open CourseWare

강의분류 공지사항 KOCW소개 내강의실

강의리스트

HOME > 내강의실 > 강의리스트

내 강의실

최근 학습일: 2026-03-29

강의 리스트

전체

High School, AI Teaching and Learning Understandin(1)

수강확인중 강의

사용자 의견

내 강의 클립


강의 리스트

검색어를 입력하세요

검색

강의리스트 만들기 +

High School, AI Teaching and Learning Understandin [1강의]



고등학교 인공지능 기초 ...
한국교육학술정보원 정승...

Recommend Curriculum and OER Using AI for Lifelong learning

<http://www.cures.kr>

맞춤배움길

교육과정 찾기

배움이력

교육정보 검색

나의 메뉴

서비스 소개

고객센터

맞춤 추천받기
학습 성향 검사

학과정보 검색
자격증정보 검색

나의 메뉴
나의 학습 프로필

맞춤배움길이란?
이용안내

공지사항
자주 찾는 질문

홈 > 교육과정 찾기 > 맞춤 추천 받기

똑똑한 인공지능이 학습목적에 맞는 맞춤형 교육과정을 추천해드립니다.



학습자 프로필 불러오기

직장인 ▾

자격증 취득 ▾

평생교육사

추천

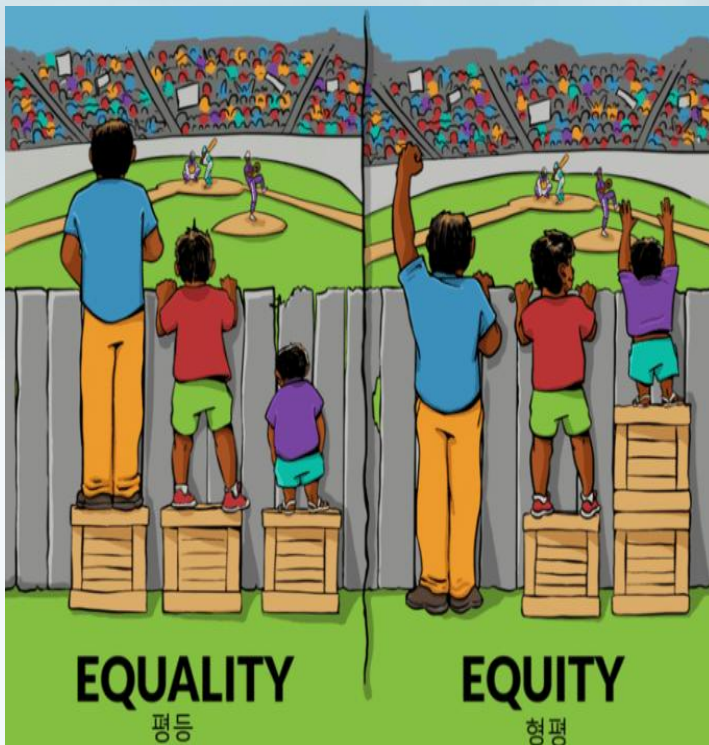
상세추천

V. Conclusion

Why AX in Education ?

ECCEDE the Limits !!

(excedere: "to go beyond" from Latier)



More **E**quitable
More **C**reative
More **C**ooperative
More **D**emocratic
More **C**ustomized
More **E**ffective



Thank You

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