

#### e-ASEM RN1

# **Developing a portal to deliver MOOC** for distance education in Asia

3 Oct. 2015 New Delih ASEM LLL



#### Tae Rim Lee

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# In the Tsunami of MOOCs: What could Asian OUs do?



#### 15 May. 2015 AAOU Web conference















AP KNOU





#### President Welcome Remarks



As a president of the KNOU which host this 1st KMOOC for Knowledge Sharing Workshop, it is my great honor to give the welcome address to all distinguished delegates and colleagues. This KMOOC workshop was followed by the OER movement at the open and distance learning for higher education these days.

For the last ten years, information and communication technology has been growing greatly in terms of importance, sophistication, application and innovation. This remarkable growth, provide the spring board on big changes in higher education using OER and MOOC. Now these changes require us to address challenges such as quality assurance, adequate accountability, reusability and interoperability that must be addressed to ensure effective and efficient application of MOOC in higher education.

The KMOOC project initiated by KNOU was a scatfold towards developing such a partnership through MOOC cooperation in Korea and forward to Asia and Europe, Africa and Latin America by not only understanding cultural diversity but also building shared values such as openness, trust, collaboration, and knowledge sharing. Through this 1st KMOOC workshop we hope to establish the strategic foundation for the KMOOC Network including vision, scope of activity, working groups, and their activities.

Thank you very much.



Dr. Nam Chul Cho: President of KNOU



Vice president Dong Kook Lee KNOU Coordinator of KMOOC project.



Prof. Tae Rim Lee Dean of KNOU Natural Science Project manager of KMOOC

Agenda	Tuesday, 22 <sup>rd</sup> September
Opening	Chair: Prof. Tae Rim Lee (Dean of KNOU Natural Science)
09:30 ~ 10:00	<ul> <li>Welcome Remark : Nam Chul Cho (President of KNOU)</li> </ul>
	- Welcome Remark (video) :
	Sir John Daniel (Chair, International Quality Group, Former President of OU UK)
	Fred Mulder (UNESCO Chair in OER, Former President of OUNL)
10:00 ~ 10:30	- Keynote Presentations
	1. MOOCs in ODL : What are the issues and challenges?
	Dr. Kwang Jo Kim (Director of UNESCO-Bangkok.)
10:30 ~ 10:50	- Group Photo & Coffee Break
	Chair: Prof. Tae In Han(KNOU)
10:50 ~ 11:20	2. Mobile learning for MOOCs
	Prof. Mohamed Ally (Professor of Athabasca University , Canada)
11:20 ~ 11:50	3. KMOOC Agenda in Korea
	Whan Sik Kim (Ministry of Education)
12:00 - 13:00	Lunch
Afternoon Session	Chair: Dr. Jang Sang Hyun(KERIS)
13:00 ~ 13:30	4. Future of KMOOC for Knowledge Sharing Society
	Dr. Duk Hoon Kwak (Vice Chairman of Sigongmedia Company, Hon. Professor KNOU
13:30 ~ 14:00	5. JMOOC in Japan
	Prof. In Sung Jung (Professor of Christian University, Japan)
14:00 ~ 14:30	6. SNUI MOOC in Seoul National University
	Prof. So Won Jang(Professor, Director of Institute of Lifelong Learning, SNU)
14:30 ~ 14:50	Coffee Break
	Chair: Prof. In Sung Jung(ICU Japan)
14:50 ~ 15:20	7. KOCW of KERIS trans to the KMOOC
	Dr. Sang Hyun Jang (Director of the University Information, KERIS)
15:20 ~ 15:50	8. KMOOC in Korea Cyber University
	Prof. Yeon Wook Im (Hanyang Cyber University, President of KAEIM)
15:50 ~ 16:20	9. KMOOC with Credit Bank of NILE
	Dr. Jae Hyun Kwon (Director of National Project, National Institute Lifelong Educatio
16:20 ~ 16:50	10. KMOOC for ODL
	Prof. Tae Rim Lee (Dean of Natural Science KNOU)
16:50 ~ 17:00	Wrap up session Dr. Duk Hoon Kwak
18:00 ~ 20:00	Dinner : 5 <sup>th</sup> floor Terrace KNOU main building





### AAOU MOOC









Organizers:

28th Annual Conference of the Asian Association of Open Universities 28–31 October 2014 • Hong Kong, China

Conference video

High-Level Executive Workshop on MOOCs for Presidents, Rectors, Vice-Chancellors of Asian Open Universities only

Date: 27 October 2014

Time: 1:30 pm – 6:15 pm

Venue: D0309, Jubilee College, OUHK, 81 Chung Hau Street, Kowloon, Hong Kong

#### Key facilitators

Professor Fred Muld	ler UNESCO/ICDE Chair in Open Educational Resources; former Rector, OUNL; Chair, EADTU's OpenupEd MOOCs initiative		
Mr Abel Caine	UNESCO Programme Specialist, Open Educational Resources		
1:30 pm – 2:00 pm	Registration		
2:00 pm – 2:15 pm	Welcome and goals of the Workshop Prof. Yuk-Shan Wong, AAOU and OUHK President Introduction and opening remarks Dr K C Li, AAOU Secretary-General		
2:15 pm – 2:45 pm	MOOCs scenarios for OUs in a global context How to respond to OER, MOOCs, and Open(ing up) Education as global movements? Prof. Fred Mulder and Mr Abel Caine		
2:45 pm – 3:15 pm	Q&A and Discussion Moderated by Dr K C Li		
3:15 pm – 3:35 pm	OpenupEd MOOCs in Europe: Characteristics / state of play Prof. Fred Mulder		
3:35 pm – 4:05 pm	Q&A and Discussion Moderated by Dr K C Li		
4:05 pm – 4:30 pm	Coffee and tea break		
4:30 pm – 5:15 pm	Spotlight on MOOCs Initiatives of Asian OUs Presentations by invited speakers (5 minutes + Q&A time per presentation): Prof. Tsuneo Yamada, The Open University of Japan Prof. Tae-rim Lee, Korea National Open University		
5:15 pm – 5:45 pm	Globalizing OpenupEd in Asia and a role for AAOU? Discussion — moderated by Dr K C Li and Prof. Fred Mulder		
5:45 pm – 6:05 pm	From workshop to work plan? Wrap-up — moderated by Mr Abel Caine		
6:05 pm – 6:15 pm	Closing Prof. Yuk-Shan Wong and Prof. Fred Mulder		
	Dinner at Star of Canton, Tsim Sha Tsui		

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13:00-17: WORKSH	00 LESSONS FROM FUTURELEARN F Mark Lester (FutureLearn, UK) ICDE MOOC	VORLD
MOOCS4	D-II PROVIDING MOOCS FOR UNPLA	Ado Tenebe, Abel Caine, Agbu Jane-
	Frances, and Fred de Vries (National Open University of Nigeria, Nigeria)	
The poter	ntial of	
MOOCs as	s a A COMPREHENSIVE STUDY OF MOOCS IN SOUTH AFRICA	
transform	ative Lorenzo Dalvit and Sibukele Gumbo (Rhodes University, South Africa)	
lever for		
promotin	g THE CF4DEV MOOC: NEW LEARNING PATHWAYS TOWARDS UNCOVENTIONAL FINANCING	FOR DEVELOPMENT Alessia Messuti and
education	a as a Tom Wambeke (ITCILO, Italy)	
good	IDBX: MOOCS ON ECONOMIC AND SOCIAL DEVELOPMENT IN LATIN AMERICA AND THE CAP Stella CS Porto (IDB, Washington, DC)	RIBEAN
	DEVELOPING MOOCS FOR MATHEMATICS TEACHER TRAINING FOR SECONDARY SCHOOLS	
	Kristie Naidoo Durban University of Technology, South Africa	
15:0 0 - 15:3	TEA/COFFEE/SNACKS <u>ONLY FOR REGISTERED</u> WORKSHOP PARTICIPANTS AT THE RESP	PECTIVE WORKSHOP VENUES
0		

l		EXPERIENCE	ſ		
	VENUE: LETSATSI CONFERENCE	STUDENT SUCCESS AND RETENTION IN MOOCS AND BLENDED LEARNING			
	CENTRE	Ramesh G Nair and Vasudha Rao (St Francis Institute of Management and Research, Borivali, India)			
	MOOCS4D-II				
		ACHIEVING FIVE TIMES THE RETENTION IN A MOOC COURSE THROUGH INTERACTIVE LEARNING Satesh Bidaisee and			
	14:00-16:40	Glen Jacob (St George's University, Grenada)			
			, , , , , , , , , , , , , , , , , , , ,		
		A NEW WOR	A NEW WORLD, DEMANDING NEW SKILLS: EXPLORING DIGITAL LITERACIES THROUGH FULLY ONLINE		
	VENUE: LETSATSI CONFERENCE CENT	RE	STUDENT SUCCESS AND RETENTION IN MOOCS AND BLENDED LEARNING		
	MOOCS4D-II		Ramesh G Nair and Vasudha Rao (St Francis Institute of Management and Research, Borivali, India)		
	14:00-16:40		ACHIEVING FIVE TIMES THE RETENTION IN A MOOC COURSE THROUGH INTERACTIVE LEARNING Satesh		
			Bidaisee and Glen Jacob (St George's University, Grenada)		
			A NEW WORLD, DEMANDING NEW SKILLS: EXPLORING DIGITAL LITERACIES THROUGH FULLY ONLINE		
			ENGAGEMENTLiesI Scheepers (Varsity College, South Africa		
			A MOOC IN BLENDED LEARNING CONTEXT TO ACHIEVE ACTIVE LEARNING: A FLIPPED CLASSROOM		
			MODEL		
			Stephan Oeyen and Luk Indesteege (University College Leuven-Limburg, Belgium)		
			INNOVATIVE ANDRAGOGICAL APPROACH THROUGH BLENDED LEARNING (MOOCS AND MOBILE BUS		
			LEARNING) FOR INDIAN ONLINE AND DISTANCE EDUCATION LEARNERS		
			Ajit Chauhan, Nishant Rai and Chitesh Bhat. Amity University, Uttar Pradesh.		
			FROM OCW TO MOOCS: PRACTICES AND OPTIONS OF THE OPEN UNIVERSITY OF CHINA Du Ruo, Zhang		
			Tong, Zhou Xiang (Open University of China, China)		
			MOOCS' CONTRIBUTION TO STAFF DEVELOPMENT AND CAPACITY BUILDING: AUSTRALIAN UNIVERSITY		





# **European MOOC**



WOW! EUROPI	E EMBRACE	S MOOCS		
30 November : HOME Conference	Preliminary	y programme		
	09:00 - 09:30	Registration / coffee		
WOW! Europe embraces MOOCs	09:30 - 09:45	Opening ceremony		
Date: 30 November 2015 09:00-18:00	-	Welcome speech by Maria Amata Garito (Re UNINETTUNO).	ector	
Venue: Multimedia Classroom of the International Telematic Universit UNINETTUNO. The full address: <u>Piazza Grazioli 17, 00186 Rom</u>	ty 09:45- 10:15 - -	MOOC strategies Europe chaired by António Invited key note presentation Results of survey 2015 by Darco Jansen	Teixeira	
Programme Committee:	10:15 - 11:15	Pedagogical approaches in European MOO( Fred de Vries	Rome, Italy	30 November 2015
riogramme committee.	-	Short summary Status report		100
- Darco Jansen (EADTU) - Chair	-	Case studies by invited experts and HOME (		h par
<ul> <li>Nicola Paravati (UNINETTUNO)</li> <li>Maria Amata Garito (UNINETTUNO)</li> </ul>	-	Discussion and summary as input for Rome		
Mark Brown (DCU)     Antonio Teixeira (Uab)	11:15 - 11:45	Coffee break		III
- Cengiz Hakan Aydin (Anadolu)	11:45 - 12:45	Shared services in European MOOC context		A
- Lourdes Pérez Sánchez (UNED)		Lourdes Pérez Sánchez	and	Latter Bulling
- Fred de Vries (OUNL) - Arne Kjær (DAOU)	-	Short summary survey results on outsourcir Jansen	-	
	-	Case studies by invited experts and HOME <b></b>		
	-	Discussion and summary as input for Rome	UNINETTUNO	s Multimedia Classroom
Participation only on invitation (limited to 60 attendees)	12:45 - 14:00	Lunch	Full address: P	azza Grazioli 17, 00186 Roma
(EADTU)	UNIVERSITÀ TELEMATICA INTERNAZIONALE UNIVETTUNO		Lifelong Learning Programme	













## **Motivation**

- Variety of Educational Demand
- Change of Paradigm in Distance
   Education
- Increase of Access to MOOC
- Enlargement of Educational Space
- Explore Various Levels in a Teaching – Learning MOOC System
- Standardization of MOOC for Open & Distance Education







# **KNOU MOOC**









### Correspondence by Post mail



6 有 (발는 사람) 中国生水平理 주소: 부산 시 명도구 教2동 57-1 번지(46 통 3 반) 도 군 면 리 번지 성명:김 은 자 (時世 月20日1 - 53487 ) (보내는 사람) 10 서울특별시 종로구 동숭동 169 번지 한국방송통신대 학





### Marking on Post mail Report



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***: 韓國服飾 ***(*)		» <u> </u>
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### Marking on Post mail Report



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![](_page_13_Picture_1.jpeg)

### KNOU MOOC by Cable TV

![](_page_13_Picture_3.jpeg)

![](_page_13_Picture_4.jpeg)

![](_page_13_Picture_5.jpeg)

🔶 KNOU

![](_page_14_Picture_0.jpeg)

![](_page_14_Picture_2.jpeg)

![](_page_15_Picture_0.jpeg)

![](_page_15_Figure_2.jpeg)

![](_page_16_Picture_0.jpeg)

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#### From Firenze – to Seoul- 10 city at Korea

![](_page_16_Figure_4.jpeg)

![](_page_17_Picture_0.jpeg)

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#### KNOU Tele conferencing class configuration

![](_page_17_Picture_3.jpeg)

#### KNOU Tele conferencing class configuration

![](_page_18_Picture_1.jpeg)

![](_page_18_Picture_2.jpeg)

![](_page_19_Picture_0.jpeg)

![](_page_19_Picture_1.jpeg)

![](_page_19_Figure_2.jpeg)

KMOOC Background in Korea

![](_page_19_Picture_4.jpeg)

![](_page_20_Picture_0.jpeg)

![](_page_20_Picture_1.jpeg)

# **Education 3.0 Class: "a" Flipped Learning**

Flipped

![](_page_20_Figure_3.jpeg)

![](_page_20_Figure_4.jpeg)

Team Learning + TA Support

Online Sel	f-Learning
Lecture Video	Lecture Slides New order investment value by Merr vessel type (in Billion Euro)
<section-header></section-header>	Quiz & HwImage: constraint of the second seco
Online In	teraction
Query SearchInteractive WatchingQ&AInform Sharing	b Discussion Authentifi- cation Evaluation
MOOC or (	e-Learning

![](_page_21_Picture_0.jpeg)

![](_page_21_Picture_1.jpeg)

## **MOOC for Offline Classes**

![](_page_21_Figure_3.jpeg)

#### **Off-line Classes with No Lecturing**

![](_page_22_Picture_0.jpeg)

![](_page_22_Picture_1.jpeg)

![](_page_22_Figure_2.jpeg)

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![](_page_23_Picture_0.jpeg)

![](_page_23_Picture_1.jpeg)

# **MOOC Ecosystem**

![](_page_23_Figure_3.jpeg)

![](_page_24_Picture_0.jpeg)

![](_page_24_Picture_1.jpeg)

# KOOC (KAIST Open Online Course)

- 30~40 courses in 2015
- Sharing knowledge with people in industries, research institutes, venture companies, universities, high schools, etc.
- > Innovation for KAIST students, faculty, staff and alumni
- Collaboration with existing MOOCs and IT businesses.

![](_page_24_Picture_7.jpeg)

![](_page_25_Picture_0.jpeg)

# **KAIST at Coursera**

![](_page_25_Picture_2.jpeg)

Course	Session	Instructor	Enrollment	Passed
Introduction to	5/12~6/15	Y.H. Kim	10,921	
Acoustics	Acoustics $(5 \text{ weeks})$ (ME)		145 countries (emerging countries 34%)	5%
		Y.G. Park(Physics), C.H. Choi(Bio &Brain	7,835	
Introduction to Light, Color & Life	5/26~7/13 (6 weeks)	Eng.), H.J. Seok (Industrial Design)	141 countries (emerging countries 39%)	6%
Supply Chain			20,352	
Management:	6/16~8/11	B.W. Kim	175	6%
A Learning Perspective	(8 weeks)	(Business School)	(emerging countries 47%)	070

Joined in Oct. 2013, First in Korea

![](_page_25_Picture_5.jpeg)

![](_page_25_Figure_6.jpeg)

![](_page_26_Picture_0.jpeg)

![](_page_26_Picture_1.jpeg)

![](_page_26_Picture_2.jpeg)

![](_page_26_Picture_3.jpeg)

![](_page_26_Picture_4.jpeg)

![](_page_27_Picture_0.jpeg)

Asia-Europe Meeting ASEM Education and Research Hut for Ulfelong Learning

MOOC Environment in Korea

#### High-speed Internet services

- World's highest Broadband diffusion rate (World Economic Forum, Feb. 2011)
- Broadband coverage is over 98% of small and medium cities and rural areas
- Number of Broadband Users : 11.6M

(MOIC,Sept. 2010)

- Population using Internet
- Number of Internet Users: 28.6M (KRNIC, June

2010) about 64% of the national population over

six years of age are using the Internet

90% of Koreans in their 20s have Internet access

![](_page_28_Picture_0.jpeg)

![](_page_28_Picture_1.jpeg)

### **Progress of Adapting ICT in Education in Korea**

Initial Infra. Stage	ICT Utilization Stage	e-Learning Stage	u-Learning Stage
1996 ~ <mark>2</mark> 000	2001 ~ 2003	2004 ~ 2005	2006 ~
<ul> <li>National Teaching- Learning Center - EDUNET</li> </ul>	• Education Resources Sharing System Strategic Point	HRD for knowledge based society • e-Learning Project	u-Korea Lifelong Learning Society • u-Learning Project
1PC per 25 Students	1 PC per 7 Students	1 PC per 5.5 Students	Personal Mobile Device Tablet PC

![](_page_29_Picture_0.jpeg)

![](_page_29_Picture_1.jpeg)

## Increasing Availability of Computer at School

Number of computer per student as reported by schools, in PISA 2000, 2003 and 2006

![](_page_29_Figure_4.jpeg)

Source: OECD (2000,2003 and 2006), Programme for International Student Assessment (database).

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![](_page_30_Picture_0.jpeg)

![](_page_30_Picture_1.jpeg)

# MOOC History at KNOU

1998	- Starting e-Learning operating program
	- Starting Korea Virtual Campus(KVC)

2001	<ul> <li>Establishment of e-Learning center</li> <li>Start of Graduate School Program</li> <li>(4 Departments)</li> </ul>
	(4 Departments)

![](_page_30_Picture_5.jpeg)

2002	<ul> <li>Building of e-Learning hub site</li> <li>`E-Campus'</li> <li>Chairman Univ. of KVC</li> </ul>		
2008	- Building of m-Learning hub site 'U-Campus' 17 departments of online graduate school		

![](_page_31_Picture_0.jpeg)

![](_page_31_Picture_1.jpeg)

### MOOC History at KNOU

- Extension of two departments in Graduate School
- 2004 e-Learning contents development Funded by Ministry of Education & Human Resources Development (US \$340,000, 13 subjects)

2011	- OER for ODL Prime college for 40-50 age group
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2015	- KNOU MOOC for LLL
	Prime college Hub Campus

![](_page_31_Picture_7.jpeg)

![](_page_32_Picture_0.jpeg)

![](_page_32_Picture_1.jpeg)

### KNOU MOOC Campus

Sknou e-Campus	G Home   Sitemap        E Contact us        E English	
e-Campus / 한 과정안내	Vledge Networking & Learning Opportunity for Upgrading 같 교수지원 전 학습지원	비스트 이러닝 문화 이러닝 아침 비스에서 추천하는 최고의 강죄를 미리 체험해 보실 수 있습니다.
이러닝강좌	<b>인터넷방송강의</b>	웹기반 영어학습콘텐츠 Phelp Desk 학생 교수 Learner Faculty
Notice              штопе           • 시스템 정기점검 안내           2004,6,16           • 시스템 정기점검 안내           2004,5,21           • 제2차 미러닝 위           2004,5,7           • 시스템 정기점검 안내           2004,4,30	<ul> <li>News</li> <li>EBS특별기획에 본교   2004.7.13</li> <li>17개 사이버大 '맞춤   2004.7.5</li> <li>해외 유명 대학들. 이   2004.7.5</li> <li>석사 학위도 사이버대학   2004.7.5</li> </ul>	이러닝 강좌 가이드           학생         교수           (학습)         (운영)             제 2차 e-Learning Workshop           이러닝 강좌, 운영이 열쇠다!
e-Campus Life 한생 양 교수 FACUTY 한 대하지 않 AUT TUTOR 양 스럽 STAFF Copyright © 2004	<ul> <li>한국방송통신대학교</li> <li>중앙도서관</li> <li>교육매체개발원</li> <li>원격교육연구소</li> <li>KNOU e-Campus, All rights reserved,</li> <li>중승도 180번지 하군방송 특시대학교</li> </ul>	평생대학원 2004년 컨텐츠 개발

![](_page_32_Picture_4.jpeg)

Knowledge Networking & Opportunity for Upgrading

#### KNOU MOOC-Campus.

![](_page_33_Figure_2.jpeg)

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![](_page_34_Picture_0.jpeg)

\*Lifelong Study f

### KNOU Global MOOC Campus

#### KNOU Global MOOC

![](_page_34_Figure_4.jpeg)

![](_page_35_Picture_0.jpeg)

![](_page_35_Picture_1.jpeg)

# **ICT** adaptation in ODL

![](_page_35_Picture_3.jpeg)

![](_page_35_Picture_4.jpeg)


#### •] UOC

# **Definition of ICT in Education**

Comprehensive approach to innovate education systems, methods, and management through Information Communications Technology

- Restructuring education system
- Diversifying teaching-learning methods & practices
- Engaging all stakeholders of education and adapting rapid to changes in society and the environment
- Enhancing education efficiency, effectiveness, and productivity

ICTs refer to all technologies which can transmit, store, create, share or exchange information, including radio, television, video, DVD, telephone, mobile phone, satellite systems, computer and Internet



# **Scope of ICT in Education**

- ICT as a subject (i.e. computer studies)
- ICT as a tool to innovate teaching-learning practice (i.e. digital content, multimedia, teaching-learning methods, learning environment)
- ICT as an administrative tool (i.e. education management information systems (EMIS)
- ICT as an expanding learning opportunity (i.e. distance learning, e-Learning)
- ICT as a facilitator of higher-order thinking skills (i.e. learner-centered, self-directed learning, tailored learning)



#### •] UOC

#### Availability/use of computer and student achievement in math







## **Does ICT promote student learning?**

#### Access to ICT and Student Achievement





# **Does ICT promote student learning?** Results of Intel "Learn Programme"



•] UOC

KNOU



• ] UOC



## **Components of MOOC**





## Construction of MOOC contents







 $\Rightarrow$  Just in Time  $\Rightarrow$  Just For Me





# **Smart Learning for KNOU MOOC**



A conductive & effective IT-based, learner oriented learning for learner's different learning style & abilities with mobile devices

- S: Social, Self-directed, Speed
- M : Module, Mobility, Micro-learning
- A : Autonomy, Active, Assessment
- **R** : Relationship, Reflection, Remix
- T : Transfer, Time-saving, Trendy

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# **Smart Learning Characteristics**





Intellectual, adaptive, customized learning

Social interaction & cooperative learning

Formal/non formal blended learning





Learning for ability to thinking & solving problem





## Smart Learning model for HE



#### **Smart Learning model for HE**





## **Smart Learning model for HE**





#### **Smart Learning model for HE**

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# **Agenda for Smart learning for HE**





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# Layout for smart learning of HE



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# **Smart learning system for HE**

Personal currier base flexible coursework system

Availability of exchange with prerequisite learning

Flexible and keep standard for hub university



Construction of scenarios of smart learning and system configuration and design







# Layout for Smart Learning System for HE



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# m-Learning at KNOU



KNOU









•] UOC

# m-Learning at KNOU



eLC UOC



### System Configuration for Mobile Learning

#### Provide Composite Solution of On and Off line Direct Connection between the LMS for KNOU U-Campus and KT Mobile Solution

•] UOC







#### Support for the student's Mobile Learning for degree









# **ASIA MOOC for LLL**

KMOOC for Knowledge Sharing













### The OER University concept















ASEM Education and Hesearch for Lifelong Learning

## **OER Map**



http://www4.clustrmaps.com/counter/maps.php?url=http ://www.oerasia.org









# **ASIA MOOC Agenda**

KMOOC for Knowledge Sharing











## AAOU MOOCs Platform/Portal

**Objectives of Stage 1** 

To establish a hub of Asian open education networks by developing the AAOU MOOCs platform/portal

1. To conduct a comprehensive need assessment: Assessing the multiple levels of needs for the AAOU MOOCs platform/portal

2. To identify effective a model/format of the AAOU MOOCs platform/portal in terms of contents, designs, and delivery methods







## AAOU MOOCs Platform/Portal



Level 2: Institutions

Level 3: Nation

Level 4: Region/Globe









Level 1: Learners

- ► Who may be <u>major users</u> of this platform/portal?
- How would this platform/portal meet <u>heterogeneous</u> <u>needs</u> of diverse populations?
- Why would the users utilize this platform/portal over other open educational options?







## AAOU MOOCs Platform/Portal

## Level 2: Institutions

- ► What are MOOCs being provided as of now?
- How does each institution evaluate <u>outcomes and/or problems</u> of her MOOCs thus far?



- How would AAOU MOOCs <u>serve educational needs</u> in each participating country?
- How may the AAOU MOOCs initiative be <u>incorporated</u> into each country's higher education system?
- What would be governmental supports/reactions in each country?





### AAOU MOOCs Platform/Portal

Level 4: Region/Globe

- How would this initiative contribute to the <u>realization of open</u> <u>education in Asia</u>?
- What would be contributions of this initiative to the global MOOCs movement?
- How much attention/support would be paid to this initiative by prominent global NGOs?







2. To identify effective a model/format of the AAOU MOOCs platform/portal in terms of contents, designs, and delivery methods

- ✓ What would be the range of inclusion/exclusion of MOOCs?
- What would be specific fields or subjects of MOOCs to be delivered?
- ✓ How could the MOOCs be grouped in the platform/portal?
- What would be the most effective design for the AAOU MOOCs platform/portal?
- What would be considerations for tailoring the delivery interface?

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- 3. To examine the useful development/management system for the AAOU MOOCs platform/portal
- Who will be in charge of the management of the AAOU MOOCs system?
- What would be the available resources for the management of the system?
- What would be fair and efficient regulations for the development and management of the AAOU MOOCs?






## **KNOU MOOC Project Team**



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KNOU









## **ASIA MOOC Contents model**

• Design of ASIA MOOC Learning process based on contents model and components

#### **ASIA MOOC Learning**









## **ASIA MOOC Service model**

#### 1) Layout of homepage

• Construction of community intelligence donation, searching, support of learning, help desk, my page

KNOU OER					
Thesis	Institution	Field	Community	Intelligence donation	
제2인생 이해하기	한국방송통신대학교	인문	커뮤니티 현황	재능공유 안내	
인문교양 쌓기	KOCW	사회	커뮤니티 등록	재능기부	
취미/여가 즐기기	SNOW	과학		<ul> <li>신청하기</li> <li>현황보기</li> </ul>	
귀농/귀촌 도전하기	HOWL	교육		재능릴레이	
창업/취업 준비하기	YouTube	문화		<ul> <li>신청하기</li> <li>현황보기</li> </ul>	_
사회적경제 참여하기	TED			재능요청	
자원봉사 참여하기				<ul> <li>요청하기</li> <li>현황보기</li> </ul>	_
		OER OT	Support of learning	Help desk	Mypage
		방송대OER 소개	학습가이드	뉴스레터	내가 본 강의
search		방송대OER 운영현황	학습도구	공지사항	내가 남긴 글
인비·거새			관련사이트	자주 묻는 질문	나의 커뮤니티
2만감~ 자네거새			CC가이드	묻고 답하기	재능참여 현황
<u> </u>					

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# QA of ASIA MOOC





## 1. ASIA MOOC Contents R & D Agenda

#### Hub University of OER

#### Blended Learning OER

- old contents and new contents
- Theory and field practice
- individual learning & group learning
- credit & non credit course

#### Hub University

- \* Connection with related institute
- multi center activity & interaction
- research & education applied to fieldwork
- integrated support for information program and service

#### Role of OER for Blended Learning Hub University

Providing OER continents Support specific service

nationwode service & higher international reputation of HE International

collaboration

promote LLL through

**OER** service







# **3. Strategy for construction of network**

#### **Cooperation strategy with institutions**

#### a. Public Institute

- Contents share under the MOU
- Supply OER resources for public institute
- Cooperation with professionals at public institute

#### **b.** Private institute

- Contents sharing of public based contents in private sector
- Easy access with OER through portal and get the effect of PR
- Connection with easy access with dynamic contents of Hub university
- Cooperation with licence, women's job opportunity

#### c. University

- Sharing the contents
- Sharing the course syllabus, basic information, script
- Cohost the conference which we can share the knowledge









### **QA for ASIA MOOC**

Common interesting field for QA of KNOU MOOC

**Objectives, planning, strategy of institute** 

## Interesting item for QA of ASIA MOOC

**Construction of educational curriculum** 

Supporting system for human resources, management, administration, physical resources

**Performance index for input vs. output** 





## QA task agenda











# **BITEC MOOC Project**

KMOOC for Knowledge Sharing







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## **BITEC MOOC**















- The initial investment for production of high quality contents and delivery service for free and open MOOC should be supported by the official fund.
- 2. Quality Assurance should be kept for keeping the characteristics of open and free of MOOC
- 3. The future of ASIA MOOC will show the new paradigm and be a basis for LLL.







# SMARTCLOUD CONFERENCE

Sept. 3rd(Wed)~4th(Thu) The SHILLA SEOUL Dynasty Hall



#### **Keynote Speech I**

Reinventing Education Anant Agarwal, President, edX

#### **Keynote Speech II**

**Storming the Cloud** Jason Merkoski, Former Technology Evangelist of Amazon Kindle

#### **Keynote Speech III**

Beyond MOOCs Simon Nelson, CEO of Future Learn

#### **Keynote Speech IV**

KAIST's Perspectives on MOOC Sung Mo Steve Kang, President, KAIST



## KMOOC Workshop Program



# KMOOC for Knowledge Sharing

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Venue: KNOU, 3<sup>rd</sup> floor Auditorium Date: 22 September, 2014

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KNOU



#### KMOOC for Knowledge Sharing Workshop

Venue: KNOU, 3<sup>ra</sup> floor Auditorium.

Date: 22 September, 2014

Agenda.	Monday, 22 <sup>nd</sup> September.				
Opening	Chair: Prof. Tae Rim Lee (Dean of KNOU Natural Science).				
09:30 ~ 10:00.,	Welcome Remark : Nam Chul Cho (President of KNOU)     Welcome Remark(video) :     Sir. John Daniel (Chair, International Quality Group, Former President of OU UK)     Professor Fred Mulder (UNESCO Chair in OER, Former President of OUNL)				
	- Keynote Presentations.				
10.00 ~ 10.30	1. MOOCs in the $\ensuremath{\text{QDL}}_{\ensuremath{\text{ch}}}$ What are the issues and challenges? .				
10.00	Dr. Gwang Jo Kim (Director of UNESCO-Bangkok).				
10:30 ~ 10:50.	- Group Photo & Coffee Break.				
10:50 ~ 11:20.	2. Mobile learning for MOOCs Chair: Prof. Tae In Han(KNOU).				
 11:20 ~ 11:50	Prof. Mohamed Ally (Professor of Athabasca University, Canada) 3. Pedagogical model for MOOCs in the Asian context Prof. In Sung Jung (ICU Japan)				
11:50 ~ 12:00.	4. Discussion Director Mr. Chon Hong Kim				
.1	(Office of the University Financial Support, Ministry of Education in Korea) .1				
12:00 ~ 13:00.	- Lunch.,				
Afternoon Session	Chair: Prof. Bo Won Kim (e-ASEM Coordinator, KNOU)				
13:00 ~ 13:30.	5. JMOOC in Japan.				
 13:30 ~ 14:00	Prof. Tsuneo YAMADA (Professor of Open University Japan)., 6. MMOOC in Malaysia.,				
له. ا	Prof. Mansor Fadzil (Professor of Malaysia Open University)				
14:00 ~ 14:30.	7. ThaiMOOC in Thailand.				
.1	Prof. Anuchai Theeraroungchaisri, (Deputy of TCU, Office of the Higher.)				
14:30 ~ 14:50.	8. KMOOC for Knowledge Sharing.				
a.	Prof. Tae Rim Lee (Dean of Natural Science KNOU).				
14:50 ~ 15:10.	Q & A.;				
15:10 ~ 15:30 a	- Coffee Break Chair: Dr. Sang Hyun Jang (KERIS).				
15:30 ~ 15:50.	9. Several Types of e-Learning Contents for MOOCs.				
	Prof. So Won Chang (Professor, Director of Extension College, SNU).				
15:50 ~ 16:10.	10. KOCW of KERIS trans to the KMOOC Dr. Sang Hyun, Jang (Director of the University Information, KERIS)				
16:10 ~ 16:30.	11. KMOOC in Korea Cyber University				
له	Prof. Yeon Wook Im (Hanyang Cyber University, President of KAEIM) .				
16:30 ~ 16:50.1	12. KMOOC with Credit Bank of NILE.				
	Dr. Jae Hyun Kwon (Director of National Project, NILE).				
16:50 ~ 17:20.	13. Future of KMOOC Dr. Duk Hoon, Kwak (Vice Chairman of SIGONGmedia Comp.)				
17:20 ~ 17:40.1	14. Wrap up Discussion Prof. (ju Rha (SNU)				
18:00 ~ 20:00 at	- Dinner : 5 <sup>th</sup> floor Terrace KNOU main building:				





Asia-Europe Meeting ASEM Eduction and Research Hut for Utelong Learning

## Construction of AMOOC network for ODL

### e-ASEM Network

To overcome the license of resources of ODL To promote the initiate the movement of OER for ODL

### How we could do...

Collection of online contents Collection of mobile contents













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