

ASEM MOOC 추진 현황

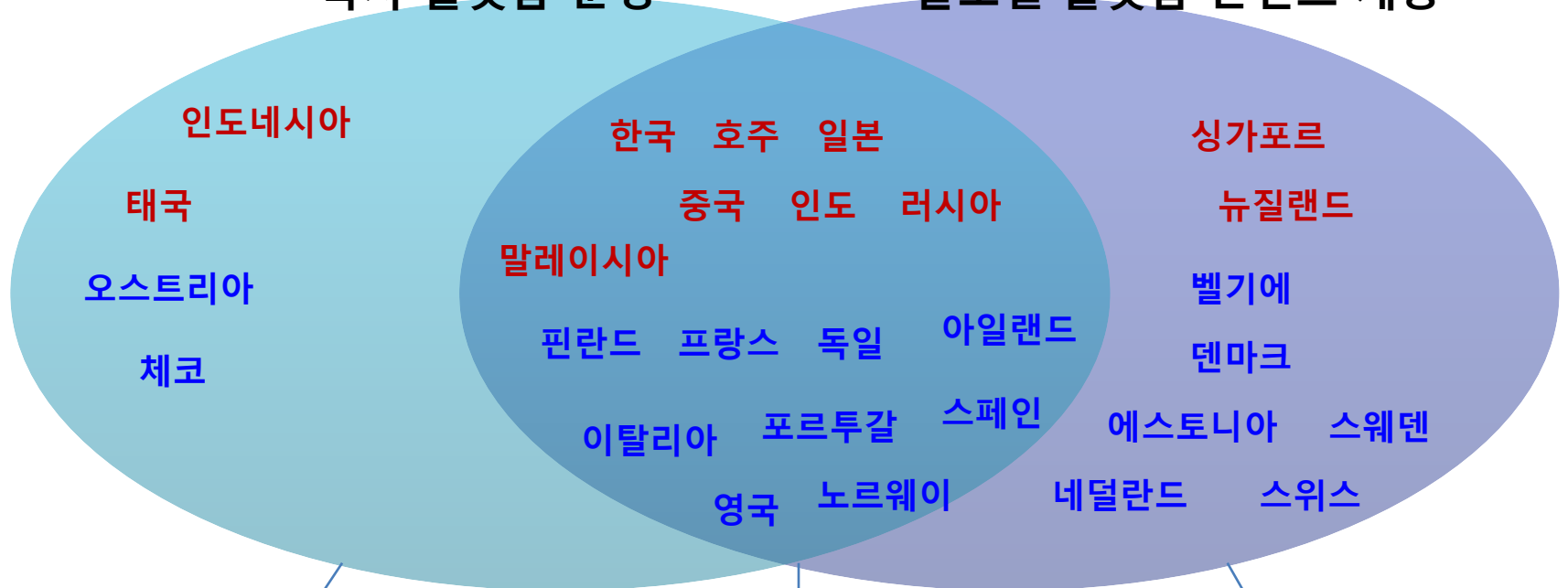
- ✓ 아시아 약 11개국, 유럽 약 18개국에서 MOOC 관련 활동(플랫폼/콘텐츠) 참여
- ✓ ASEM 내에서 운영되고 있는 MOOC 플랫폼 - 약 20여개
- ✓ 아시아의 경우 서남아시아, 유럽의 경우 동유럽 국가에서 참여 정도 낮은 편

구분	활동 국가	비활동 국가
아시아	한국, 인도네시아, 말레이시아, 싱가포르, 태국, 호주, 중국, 인도, 일본, 뉴질랜드, 러시아	브루나이, 캄보디아, 라오스, 미얀마, 필리핀, 베트남, 방글라데시, 카자흐스탄, 몽골, 파키스탄
	11개국	10개국
유럽	오스트리아, 벨기에, 크로아티아, 체코, 덴마크, 에스토니아, 핀란드, 프랑스, 독일, 아일랜드, 이탈리아, 네덜란드, 포르투갈, 스페인, 스웨덴, 영국, 노르웨이, 스위스	불가리아, 키프로스, 그리스, 헝가리, 라트비아, 리투아니아, 룩셈부르크, 몰타, 폴란드, 루마니아, 슬로바키아, 슬로베니아
	18개국	12개국

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독자 플랫폼 운영

글로벌 플랫폼 콘텐츠 제공



4개국
(아시아 2, 유럽 2)

16개국
(아시아 7, 유럽 9)

8개국
(아시아 2, 유럽 6)

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아시아

- ✓ 정부 주도형 서비스: 정부 직접 운영 또는 비영리 기관 운영 다수
- ✓ 대부분 초기 운영 단계로 학습 결과의 인증 및 활용 지원 방안 미흡
- ✓ 대학 정규 과정 관련 콘텐츠 제공에 초점

유럽

- ✓ 다수 국가가 참여하는 무크 플랫폼이 존재, 유럽 무크 플랫폼의 종합판인 "OpenUpEd", "Open Education Europa" 운영
- ✓ EC의 지원을 통한 교육자원 공유에 전 지역 참여
- ✓ 국가 단위의 서비스의 경우, 원격대학 또는 정부가 운영의 중심
- ✓ 기관 간 협력 강조 - 대학, 기업, 공공기관의 적극 참여 유도
- ✓ 대학 정규과정, 직업교육, 교양 분야의 콘텐츠 풍부
- ✓ 유료서비스 운영(독일 Iversity 등)

MOOC에 대한 높은 관심과 참여율은 동일
아시아-유럽간 서로 다른 발전 정도와 환경 존재

K-MOOC from Comparative Perspective

category	K-MOOC	edX	Cousera
Form of Establishment	<ul style="list-style-type: none"> ● Founder: NILE (as main operator, led by the government) ● Established in Oct. 14, 2015 	<ul style="list-style-type: none"> ● Ownership: Harvard, MIT ● Founder: Anent Agarwal ● Established in May 2012 ● Type: Non-Profit Organization ● Investment: \$600,000 	<ul style="list-style-type: none"> ● Ownership: Andrew Ng and Daphne Koller ● Founder : Andrew Ng and Daphne Koller ● Established in April 2012 ● Type: Non-Profit Organization → For-Profit Enterprise
Management status	<ul style="list-style-type: none"> ● Class Operation: Seoul National, KAIST, POSTECH, Korea, Yonsei, Hanyang, Sunkyunkwan, Pusan National, Kyunghee and Ewha Woman's University (10 in total) 	<ul style="list-style-type: none"> ● Class Operation: Harvard., MIT and others ● 6 universities in Asia, incl. Seoul National Univ., Beijing Univ.& Tsinghua Univ. in China, Hong Kong Univ., Hong Kong Univ.of Science & Technology, Kyoto Univ. in Japan are participating since 2013 	<ul style="list-style-type: none"> ● Class Operation: Stanford, Princeton, U. Michigan, Upenn and others
Tuition Policy	<ul style="list-style-type: none"> ● Free Lectures ● Free Evaluation (no certification available) 	<ul style="list-style-type: none"> ● Free Lectures ● Online Evaluation and certification of completion (\$30) ● Conversion of Credit Not Available 	<ul style="list-style-type: none"> ● Free Lectures (expect for some courses) ● Examination fee of \$60 - \$90 ● Conversion of Credit available for participating universities (5 courses in pilot operation)
Main Features	<ul style="list-style-type: none"> ● Under pilot operation stage. National project ● Autonomous operation of courses by the each participating university ● Operated using localized edX platform in Korea with added features (incl. online discussions) ● Video clips provided through CDN server of its own 	<ul style="list-style-type: none"> ● Self-directed learning, ● Online group discussions ● Wiki-based collaborative learning ● Focusing on offering students more changes for participation (achievement assessment available during the course, etc) 	<ul style="list-style-type: none"> ● 'With the slogan of "equal education opportunities" and "take courses from prestigious universities in the world, at your room", services are offered at no charge or with a small fee

K-MOOC from Comparative Perspective

category	K-MOOC	FutureLearn	Udacity
Form of Establishment	<ul style="list-style-type: none"> ● Founder: NILE (as main operator, led by the government) ● Established in Oct. 14, 2015 	<ul style="list-style-type: none"> ● Founder: Open University (UK) ● Established in 2013. 9 	<ul style="list-style-type: none"> ● Ownership: Sebastian Thrun and others ● Founder : Sebastian Thrun ● Established in June, 2011. ● Type: Non-Profit Organization → For-Profit Enterprise
Management status	<ul style="list-style-type: none"> ● Class Operation: Seoul National, KAIST, POSTECH, Korea, Yonsei, Hanyang, Sunkyunkwan, Pusan National, Kyunghee and Ewha Woman's University (10 in total) 	<ul style="list-style-type: none"> ● Class Operation :Bristol University in UK, Fudan University in China, Yonsei and Sungkyunkwan University in Korea, British Council and the British Museum, etc 	<ul style="list-style-type: none"> ● Class Operation: Stanford, Princeton, U. Verginia, GeorgiaTech and others
Tuition Policy	<ul style="list-style-type: none"> ● Free Lectures ● Free Evaluation (no certification available) 	<ul style="list-style-type: none"> ● Free Lecture 	<ul style="list-style-type: none"> ● Free Lectures (except for some courses) ● Certification of Completion for \$89 ● Conversion of Credit available for San Jose State Univ. beginning in 2013
Main Features	<ul style="list-style-type: none"> ● Under pilot operation stage/National project ● Autonomous operation of courses by the each participating university ● Operated using localized edX platform in Korea with added features (incl. online discussions) ● Video clips provided through CDN server of its own 	<ul style="list-style-type: none"> ● Massive-scale social learning platform developed by BBC and professional team of social media designers ● Collaboration of discussion room and learning page: Context Based learning by participating in discussions at any time 	<ul style="list-style-type: none"> ● Unlike Coursera or edX, focuses on providing courses on Computer Science (no liberal arts courses)

K-MOOC from Comparative Perspective

category	K-MOOC	Khan Academy	FUN
Form of Establishment	<ul style="list-style-type: none"> ● Founder: NILE (as main operator, led by the government) ● Established in Oct. 14, 2015 	<ul style="list-style-type: none"> ● Ownership: Salman Khan ● Founder : Salman Khan ● Established in Sept, 2006. ● Type: Non-Profit Organization 	<ul style="list-style-type: none"> ● Founder : French Government ● Established in Jan, 2014.
Management status	<ul style="list-style-type: none"> ● Class Operation: Seoul National, KAIST, POSTECH, Korea, Yonsei, Hanyang, Sunkyunkwan, Pusan National, Kyunghee and Ewha Woman's University (10 in total) 	<ul style="list-style-type: none"> ● Class Operation: Non-Profit, One-Man Teaching Organization 	<ul style="list-style-type: none"> ● Registration required ● Class Operation: University of Nice Sophia Antipolis (UNS), INSA Group (Public Schools in Lyon and Toulouse,), Ecoles de Musiques, etc.
Tuition Policy	<ul style="list-style-type: none"> ● Free Lectures ● Free Evaluation (no certification available) 	<ul style="list-style-type: none"> ● Free Lectures ● Free Evaluation (no certification available) ● 100,000 Free Problem Sets for learners 	<ul style="list-style-type: none"> ● Free Lecture
Main Features	<ul style="list-style-type: none"> ● Under pilot operation stage. National project ● Autonomous operation of courses by the each participating university ● Operated using localized edX platform in Korea with added features (incl. online discussions) ● Video clips provided through CDN server of its own 	<ul style="list-style-type: none"> ● Progressed into international e-Learning archive from what began as an effort to teach his cousin ● Free Math & Science lectures offered in 23 languages (not offered in Korean) ● Offers Video clips of 10-15 minutes length (mainly utilized for language studying purposes as well as for businessmen having no time) 	<ul style="list-style-type: none"> ● Led by Geneviève Foiraso, the Minister for Higher Education and Research ● Started with 20 lectures, expected to expand by stages

K-MOOC from Comparative Perspective

category	K-MOOC	Xuetang	Gacco
Form of Establishment	<ul style="list-style-type: none"> ● Founder: NILE (as main operator, led by the government) ● Established in Oct. 14, 2015 	<ul style="list-style-type: none"> ● Founder : Led by Tsinghua Uniiv, developed by private IT company ● Established in Oct 2013 	<ul style="list-style-type: none"> ● Founder : NTT, Knowledge Square ● Operation : Joint operation between NTT Docomo, NTT knowledge square ● Established in April 2014 ● Type: Enterprise
Management status	<ul style="list-style-type: none"> ● Class Operation: Seoul National, KAIST, POSTECH, Korea, Yonsei, Hanyang, Sunkyunkwan, Pusan National, Kyunghee and Ewha Woman's University (10 in total) 	<ul style="list-style-type: none"> ● Registration required ● Class Operation: Tsinghua University of China, National Chiao-Tung University of Taiwan, MIT, Stanford, etc 	<ul style="list-style-type: none"> ● Uses edX Platform ● Flipped Learning (run by University of Tokyo) ● Video-based ● Certification available ● Class Operation: University of Tokyo, Rikkyo University, Kyoto University, Meiji University, Osaka University, University of Yamanashi, etc
Tuition Policy	<ul style="list-style-type: none"> ● Free Lectures ● Free Evaluation (no certification available) 	<ul style="list-style-type: none"> ● Free Lecture 	<ul style="list-style-type: none"> ● Free Lecture ● For-fee Flipped learning available
Main Features	<ul style="list-style-type: none"> ● Under pilot operation stage/National project ● Autonomous operation of courses by the each participating university ● Operated using localized edX platform in Korea with added features (incl. online discussions) ● Video clips provided through CDN server of its own 	<ul style="list-style-type: none"> ● Chinese platform only, and offers foreign MOOC course and faculty information translated in Chinese 	<ul style="list-style-type: none"> ● Uses edX Platform ● PC only, no mobile platform offered