



筑波大学
University of Tsukuba



Reaching Everyone in Education Towards Societal Transformation

By: R Alpha Amirrachman, M. Phil, Ph.D
Director of SEAMEO SEAMOLEC

SEAMEO - The University of Tsukuba
Symposium VIII
13-14 February 2020
Tokyo Campus, University of Tsukuba
Japan



Society 5.0



Definition:

- a future and smart society where technology blended into every and across all social segments.



Expectation:

- solve current impossible problems, making everyday life more comfortable and sustainable.



Challenge:

- the faster growth of technology the bigger of equality gap in society arises



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



SEAMEO SEAMOLEC



SEAMEO SEAMOLEC: VISION AND MISSION



Vision:

To be the Centre of expertise
in Open and Distance Learning

Mission:

To assist SEAMEO Member Countries in
identifying educational problems and
finding alternative solutions for sustainable
human resource development through the
dissemination and effective use of open
and distance learning



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

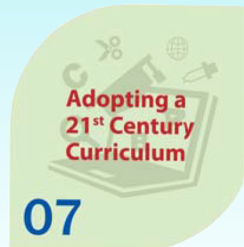
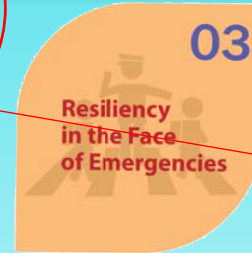
7 PRIORITY AREAS



SEAMEO



Priority Areas 2015-2035



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba





SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Research and Development in Distance Learning



- SEAMOLEC provides research grants annually
- Objective: to support, promote and motivate teachers, lecturers, educators from primary to higher education level to pursue their enthusiasm in areas of distance learning and ICT for education in Southeast Asia

SEAMOLEC Online Journal,
“<https://journal.seamolec.org/index.php/journal>”



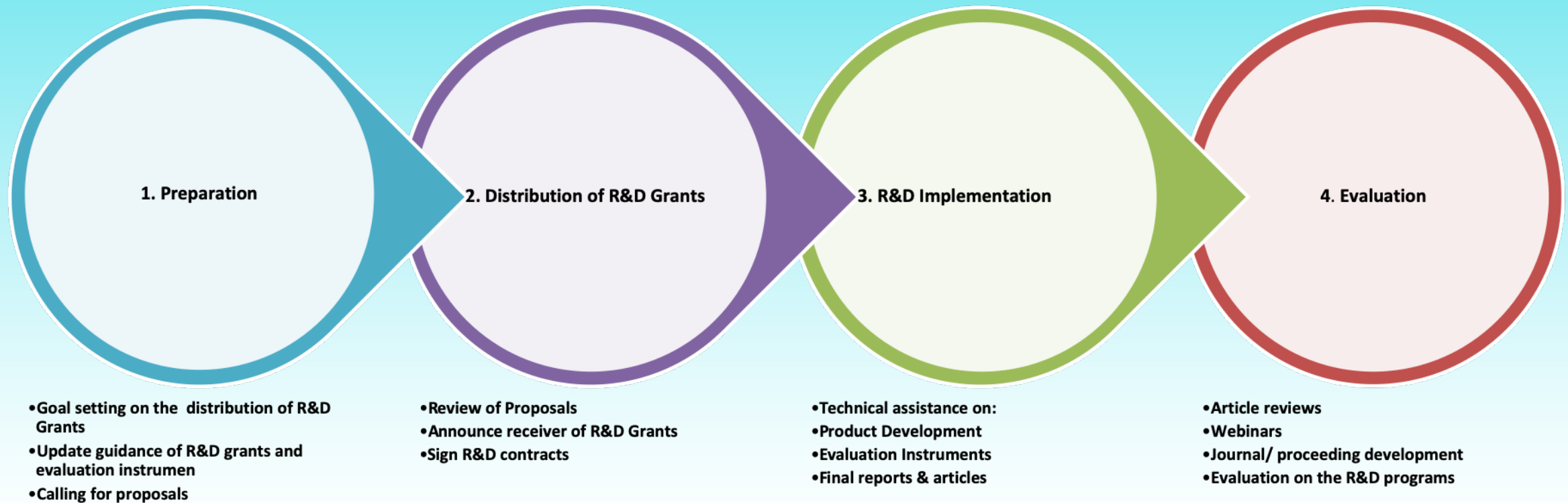
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Workflow of Research Grant Program



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Open and Distance Learning Model



- Distance learning: a way of learning remotely to provide access to education while keeping the quality without being in regular face-to-face classroom setting

Opportunities:

1. time flexible
 2. reducing geographical barriers
 3. competitive cost/value
 4. learner centred
- It has been considerably demonstrated its ability to meet a **wide range of learning needs** and **different types of learners**



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba





筑波大学
University of Tsukuba



Open and Distance Learning in West Java Province, Indonesia

SEAMEO - The University of Tsukuba
Symposium VIII
13-14 February 2020
Tokyo Campus, University of Tsukuba
Japan



SEAMOLEC Best Practice in ODL Model



Open and Distance Learning in West Java Province, Indonesia (2016-now)

- Background: To improve access, quality, and relevance of secondary education, as well as in supporting the access for dropouts and primary school graduates who are unable to continue their education due to economic, geographical, time, social and cultural constraints.



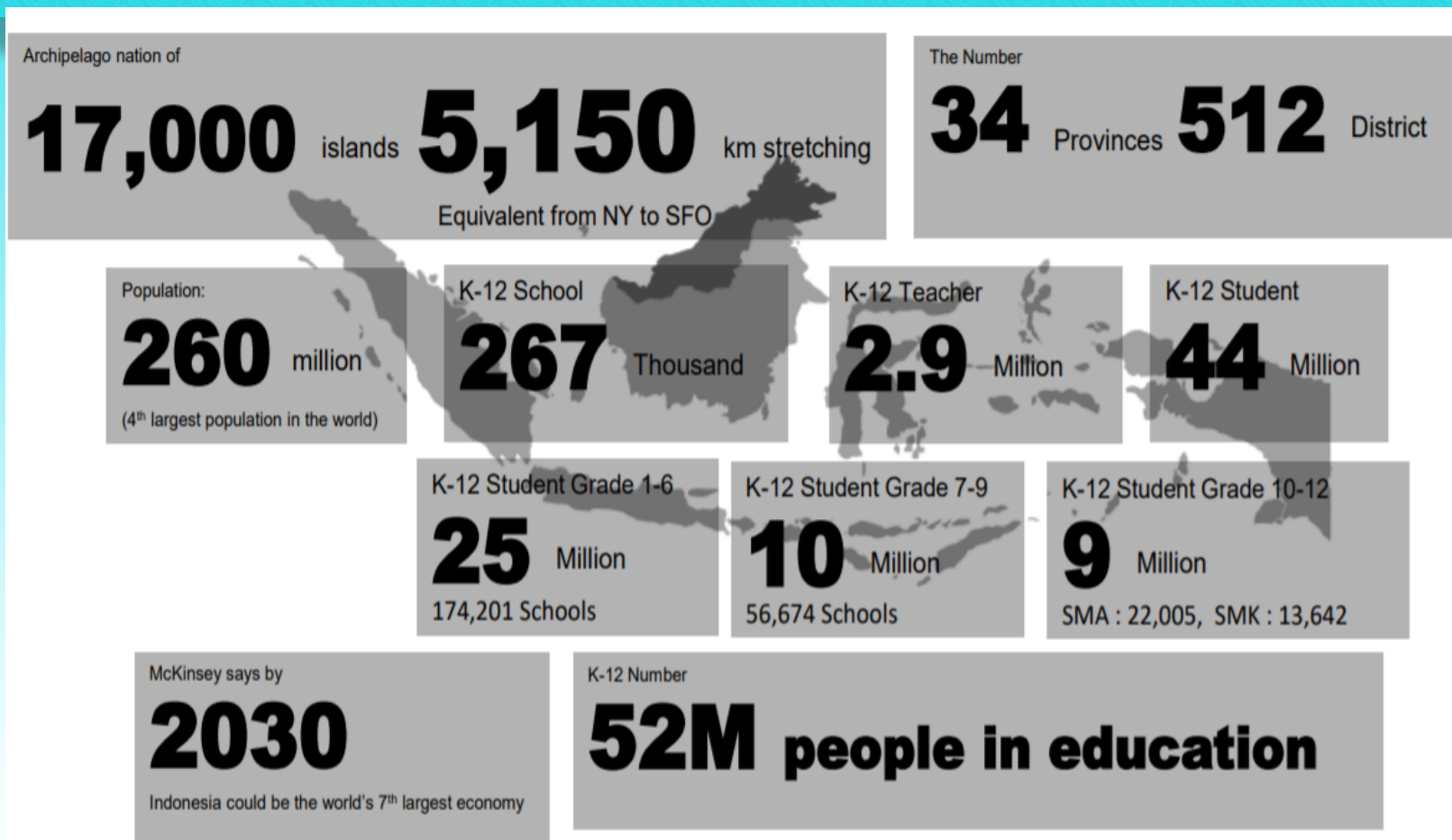
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Education Landscape in Indonesia



Source: ICT Center of Ministry of education and culture – presentation at Bangkok 10-11-28



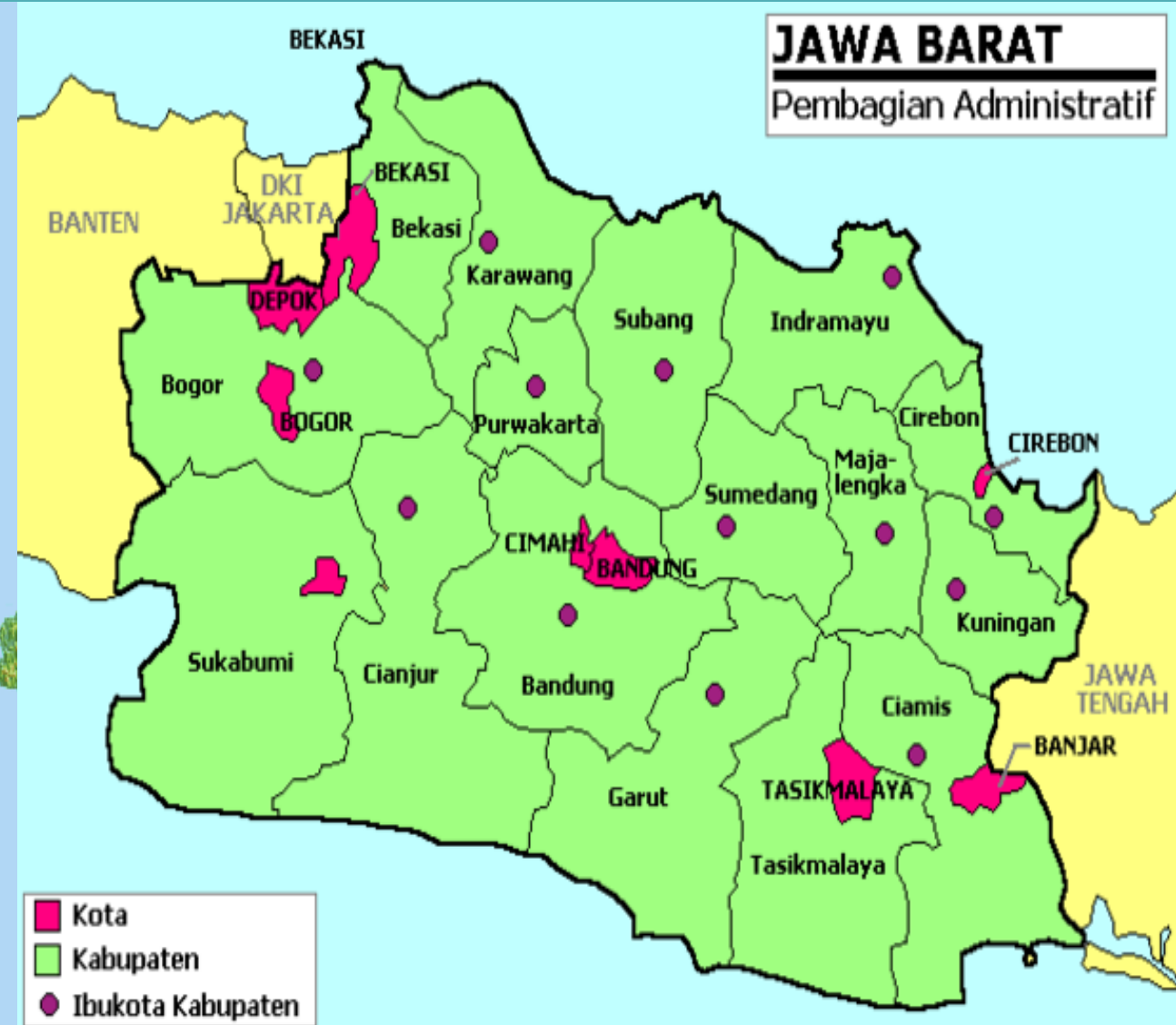
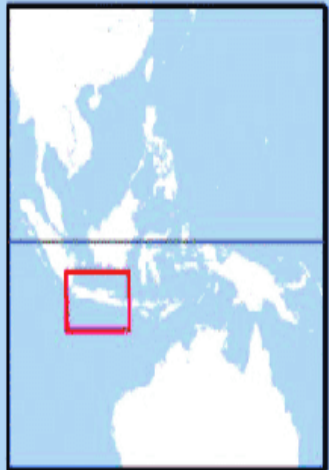
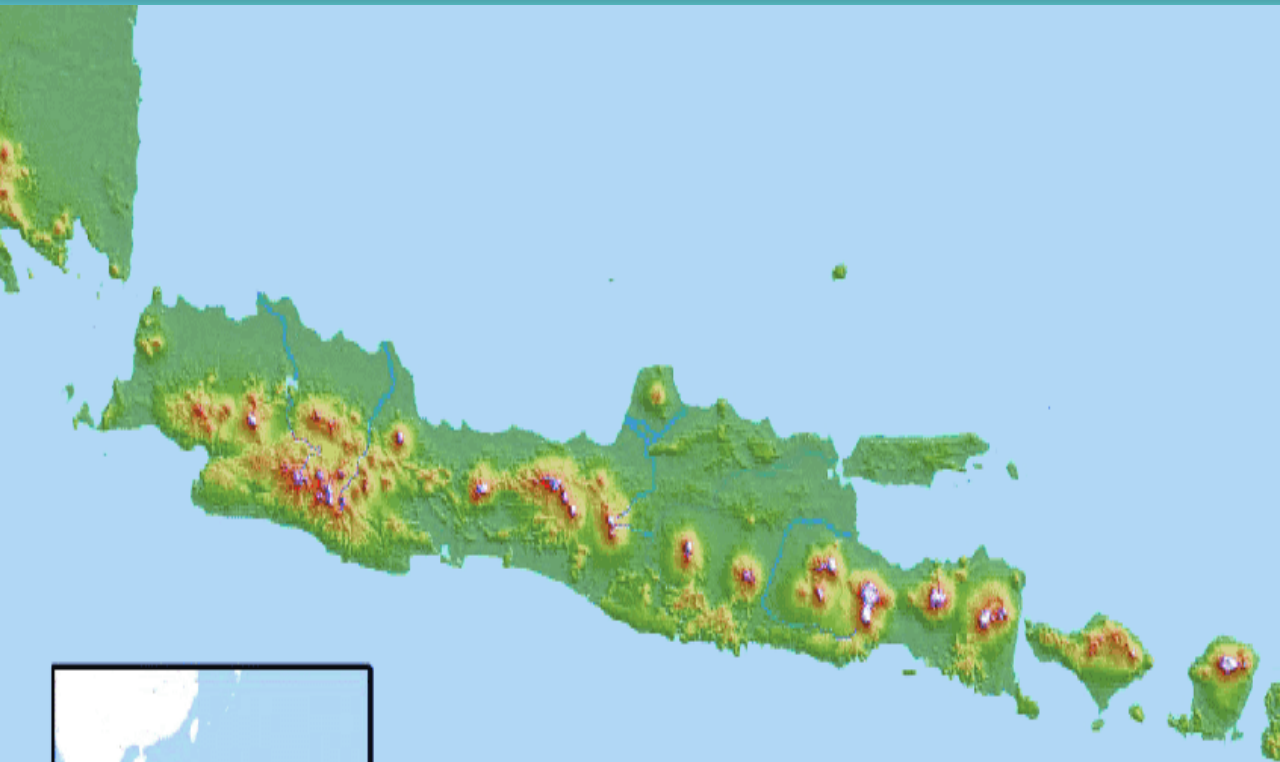
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



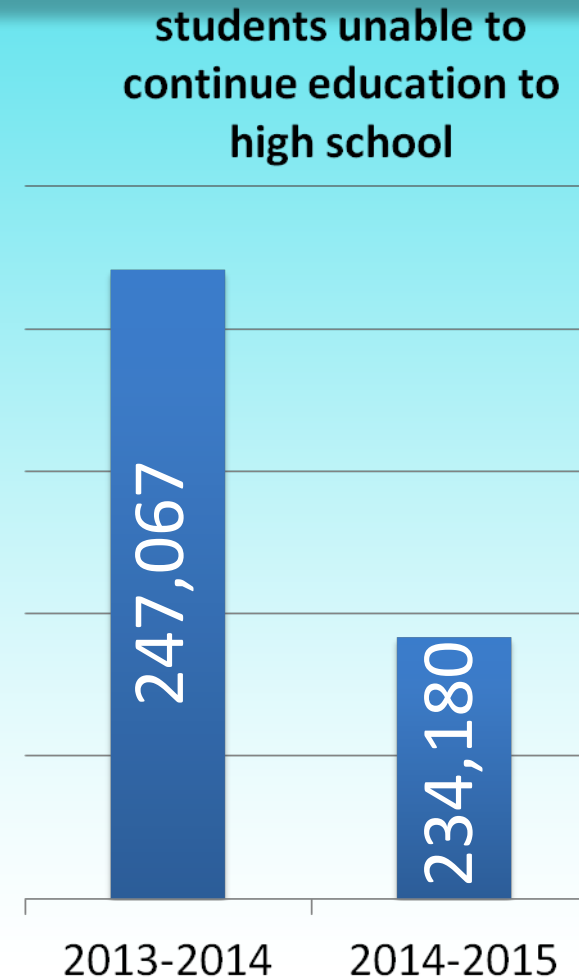
West Java Province, Indonesia



Problems of West Java



- enrolment rate of students was very low
- disparity in school capacity
- the low economic status of parents or community
- the remoteness of student residence
- social and geographical difficulties to reach regular education services



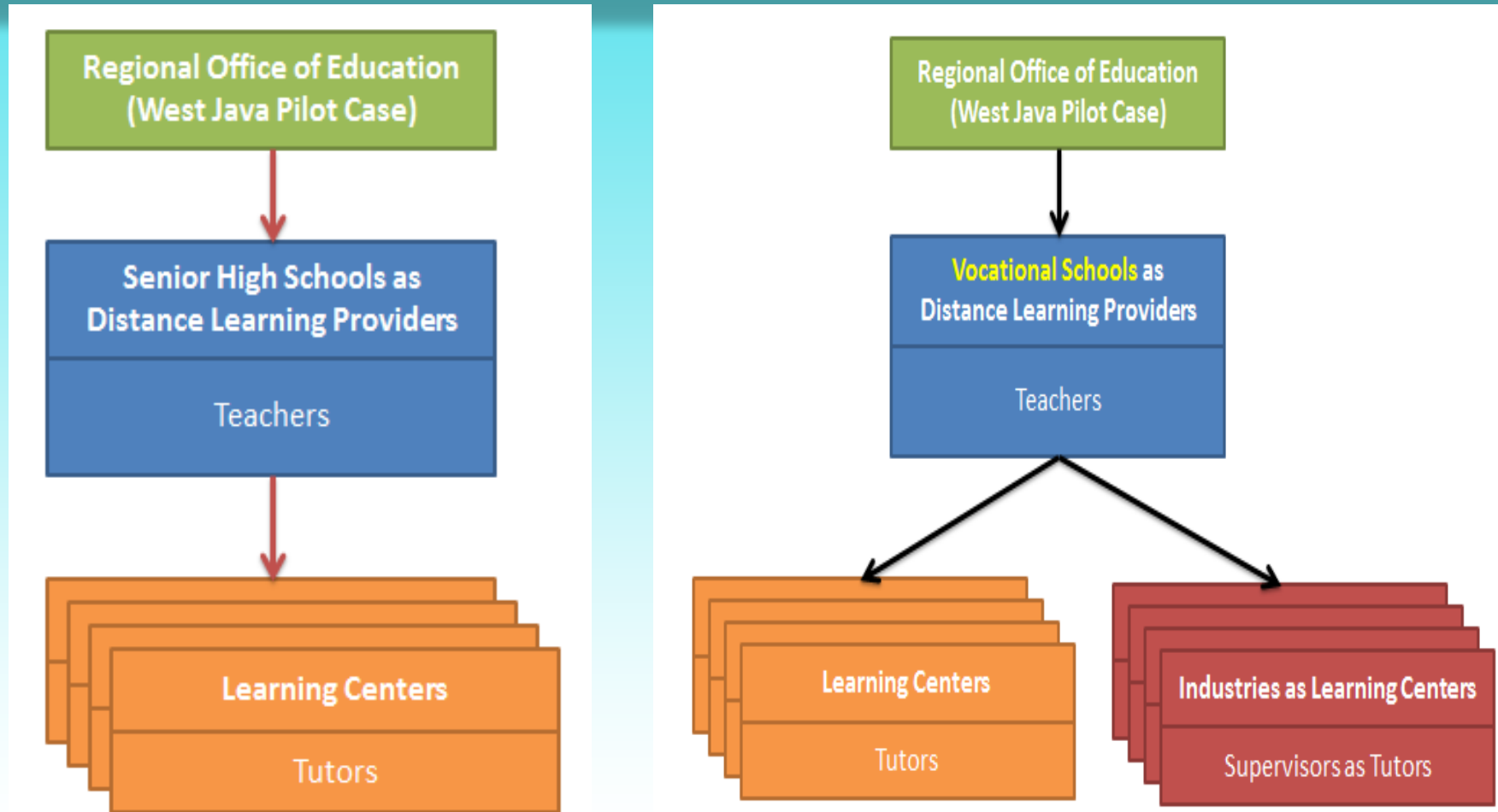
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Scheme of Distance Learning Implementation in West Java Province



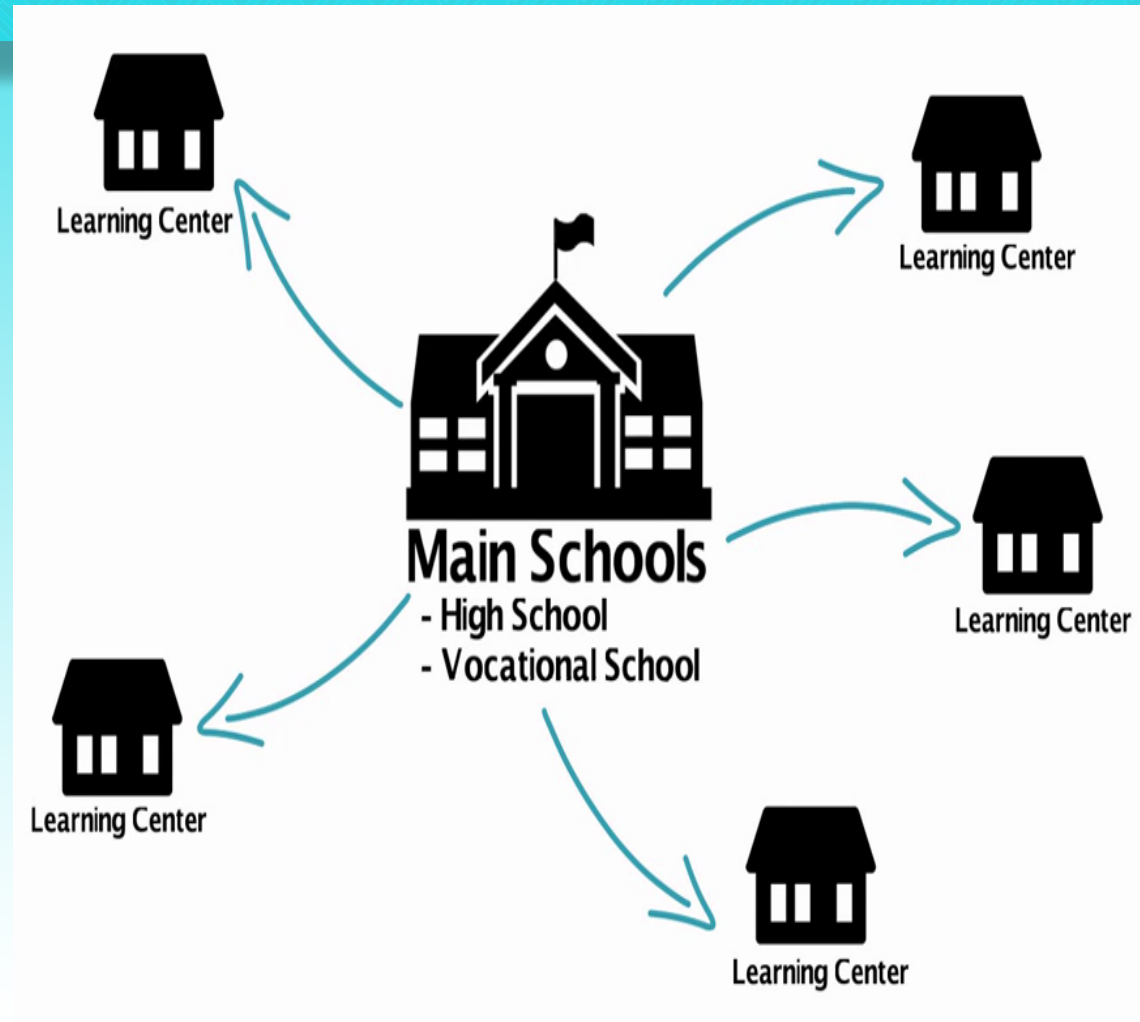
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Learning Centers



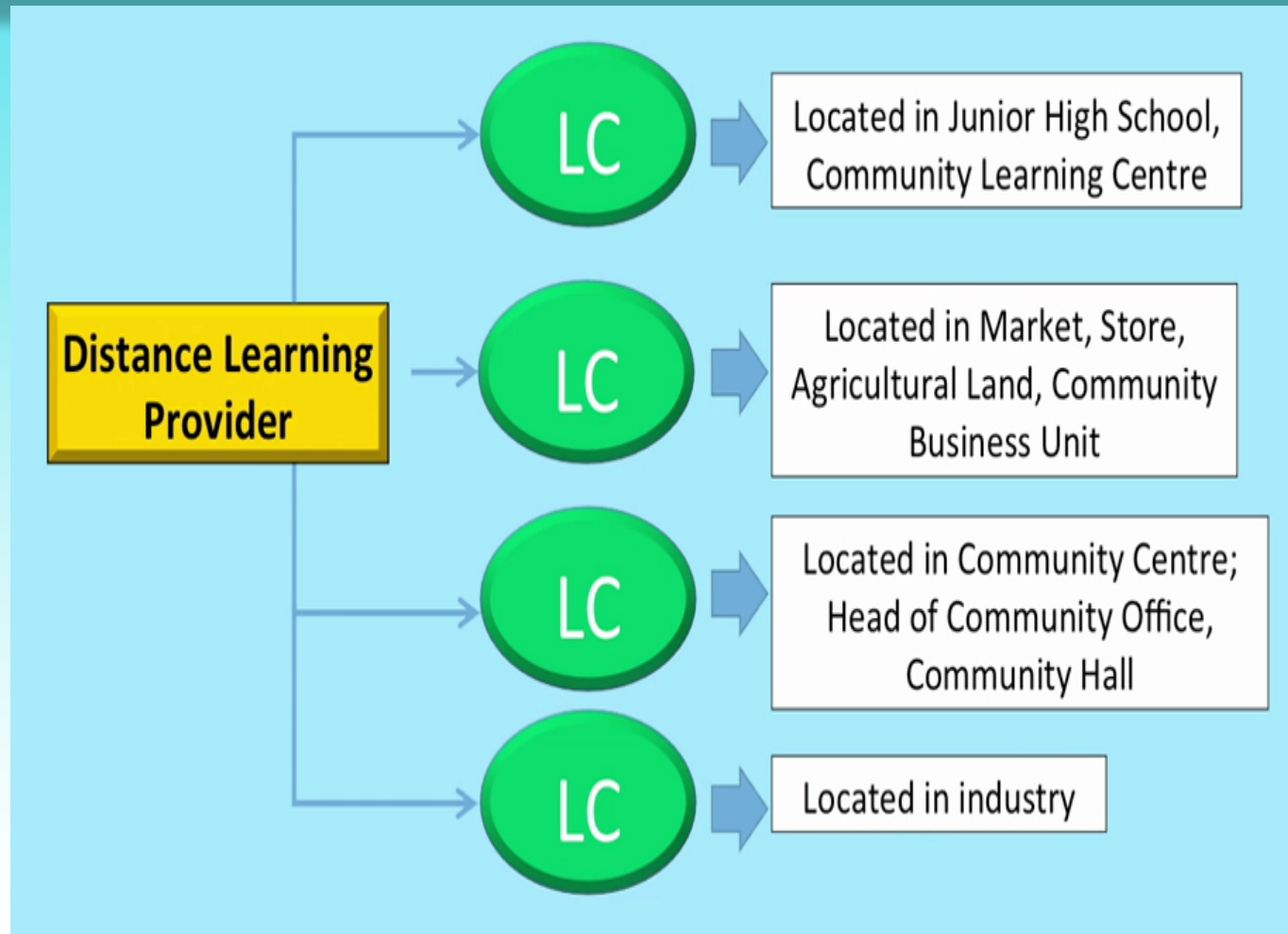
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Learning Centers



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



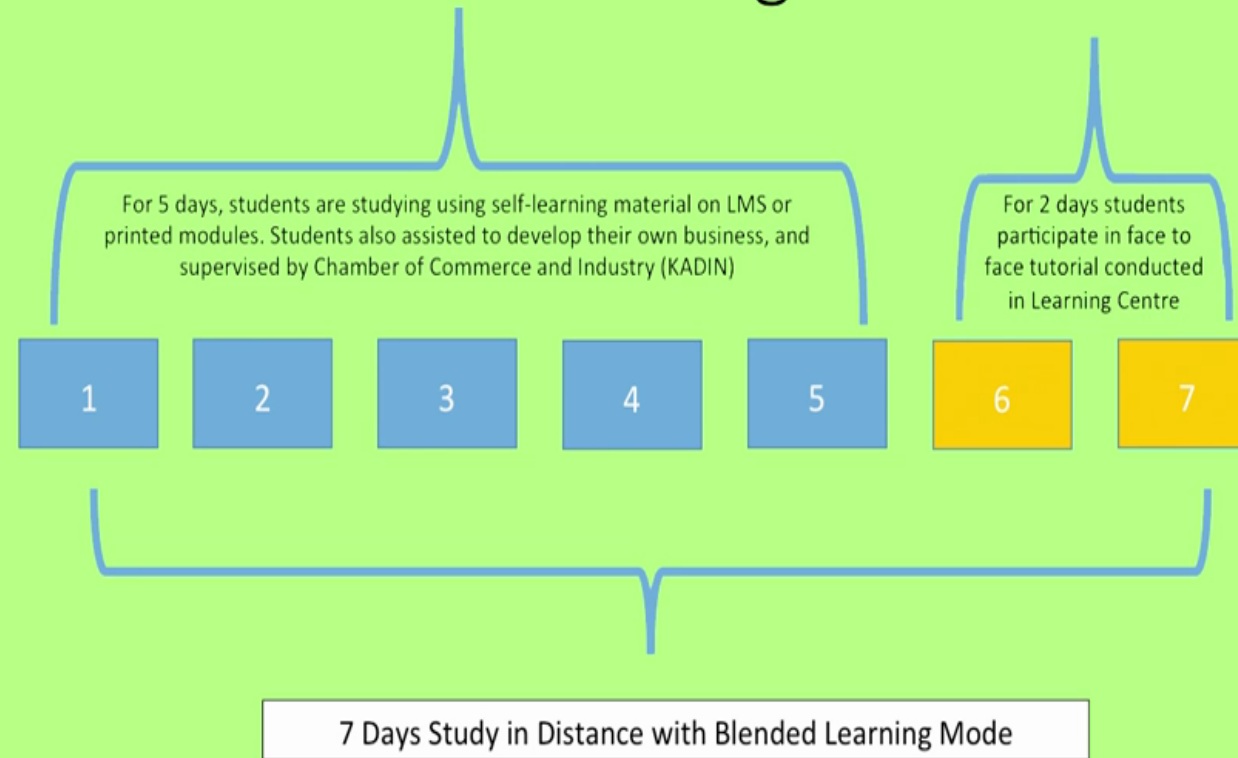
筑波大学
University of Tsukuba



Flexible learning process



Example of Learning Schedule For Distance Learning Students



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Programme Objectives



1. to improve access, quality, and relevance of secondary education
2. to support the achievement target of Universal Secondary Education in Indonesia
3. to improve access to secondary education for the junior high school graduates who are unable to continue their education due to economic, geographical, time, social and cultural constraints
4. to increase the enrolment number of secondary education in West Java Province
5. to improve the quality and access of education through distance education system in Indonesia, especially in West Java province
6. at a wider scope, this programme is expected to reduce unskilled labor and improve their working skills and capabilities



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



SEAMOLEC's Roles



SEAMOLEC involved in:

1. developing the programme design
2. creating guidelines
3. curriculum adjustment
4. programme and system development
5. instructional materials development and teacher training



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Hybrid-mode of ICT-based ODL



- Delivers its learning materials via three types of blended mode:
 1. face-to-face based
 2. video conference based
 3. web-based
- ICT based is ranging from 30-79%
- Face-to-face delivery is 30%
- Allows students to study while not leaving their work
- Communication between students and tutors is carried through emails, mobile communication application
- Uses web-based learning resources



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



OUTCOME OF GROSS ENROLLMENT RATE



From population aged between
16 – 18 years old:

2016 = 2.516.800

2017 = 2.500.300

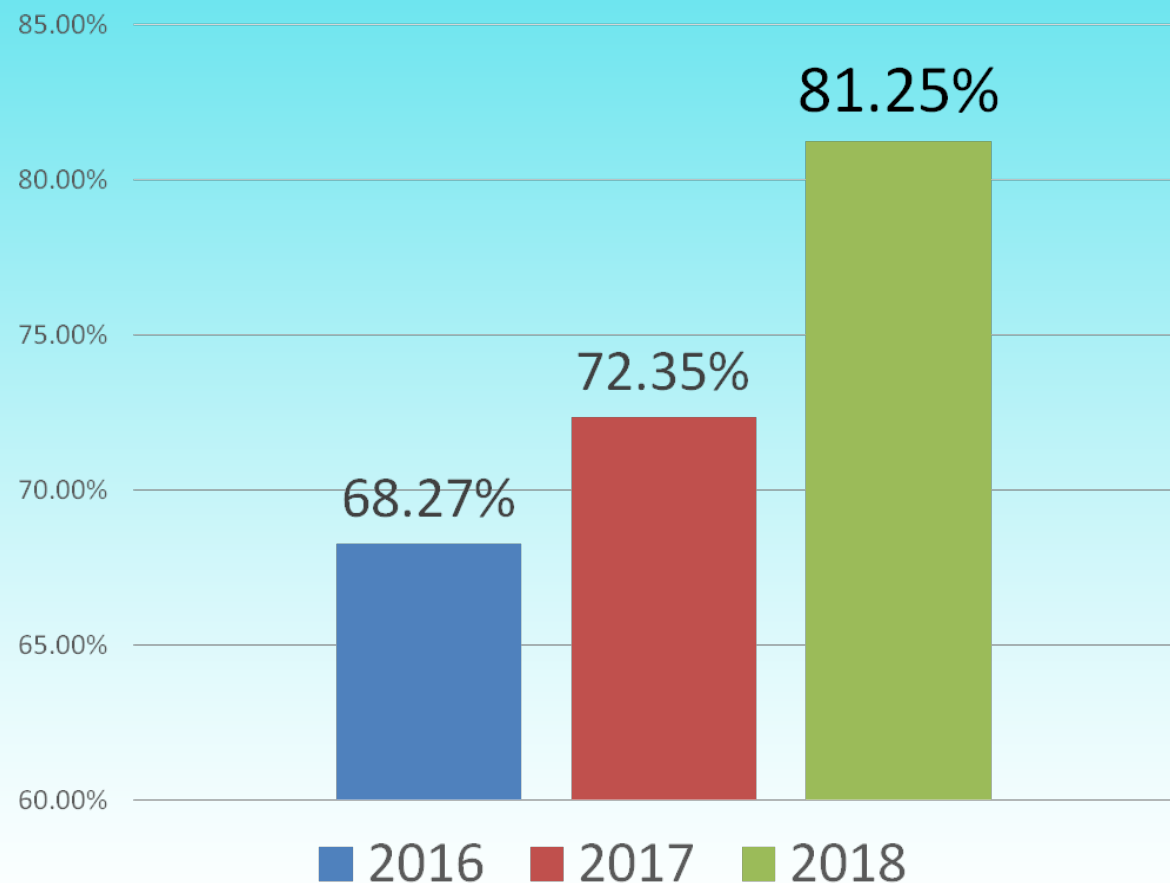
2018 = 2.482.200

From this numbers there are
dropped out students or not
continuing for education, in
amount of:

2016 = 787.664

2017 = 691.218

2018 = 468.874



--- Period of the Implementation of of ODL ---



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Opportunities



Programme replication to be implemented in:

1. other provinces of Indonesia, and
2. Southeast Asian countries and beyond



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN



筑波大学
University of Tsukuba

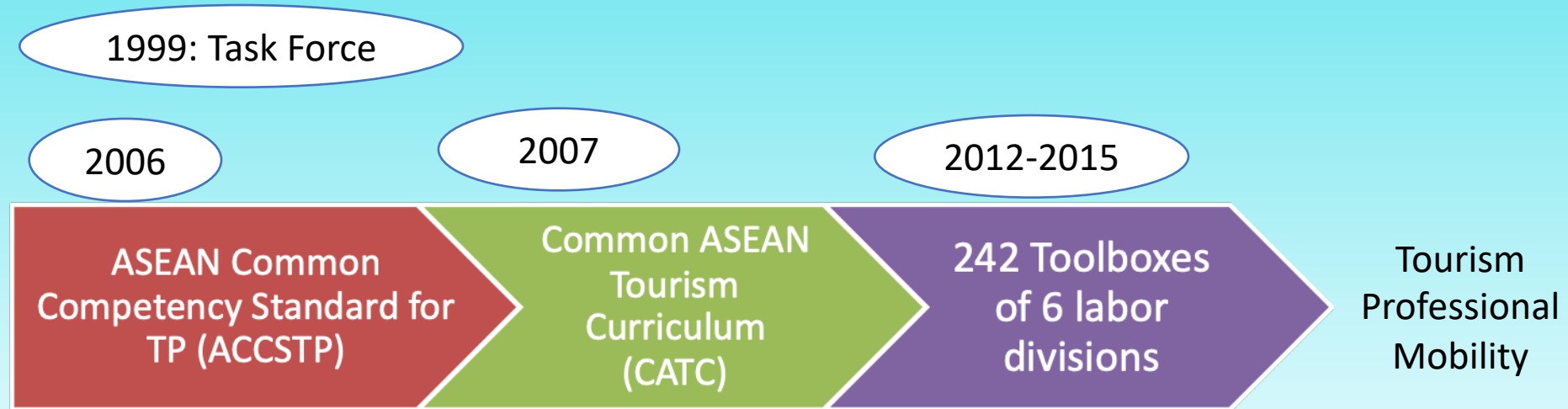


Online Course Development by Utilizing Common ASEAN Tourism Curriculum (CATC) Toolboxes

SEAMEO - The University of Tsukuba
Symposium VIII
13-14 February 2020
Tokyo Campus, University of Tsukuba
Japan



ASEAN Mutual Recognition Arrangement on Tourism Professionals (MRA-TP)



Regional Qualification Framework and Skills Recognition System (RQFSRS)

2010



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Initiatives on online courses development



- To attract more learners
- To provide flexibility in learning

Distance learning is an alternative to **accelerate and expand the massive use of CATC Toolboxes**

Distance learning approach can be applied to enhance 'TVET students' competencies' by utilizing the potential common standards and tools in Tourism.



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Milestones



2018

Feasibility Study



2019

Online Course
Development



2020

1st
Implementation
Pilot



2021

2nd
Implementation
Pilot



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN



Phase 1 (2018):

Feasibility Study: The Use of Distance Learning By Application of CATC Toolboxes in Southeast Asia



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Feasibility Study

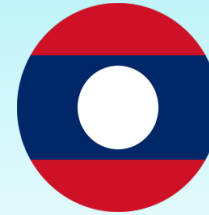
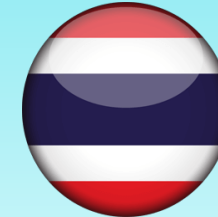
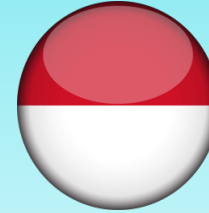
The Use of Application of Common ASEAN Tourism Curriculum (CATC) Toolboxes

For Distance Learning In Southeast Asia



FIND OUT THE POSSIBILITY OF CONDUCTING A DISTANCE LEARNING PROGRAM IN THE TOURISM SECTOR — BY IMPLEMENTING CATC AND RQFSRS

SEAMOLEC AS A SEAMEO REGIONAL CENTER THAT FOCUSES ON OPEN AND DISTANCE LEARNING CONDUCTED FEASIBILITY STUDY TO FIND OUT THE POSSIBILITY OF IMPLEMENTING ODL PROGRAM IN TOURISM SECTOR, ONE OF THE HIGHEST POTENTIAL AREAS TO PROMOTE HUMAN RESOURCE DEVELOPMENT IN SEA.



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba

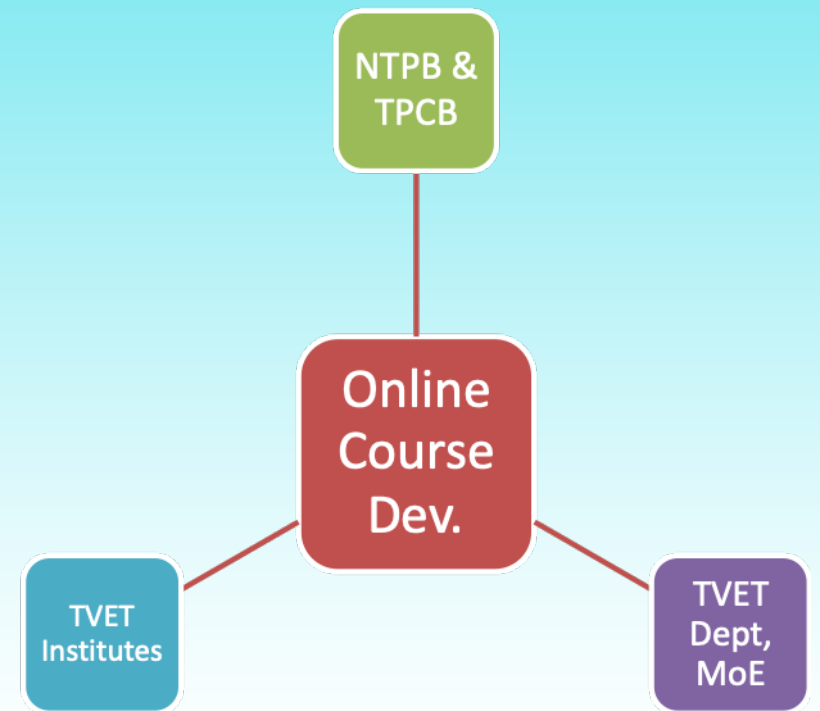


MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Feasibility study



- The feasibility study was carried out to
 - determine the policies and directions of vocational education, as well as the implementation of CATC
 - identify needs and constraints in different contexts of Southeast Asia member countries, and
 - comparison of the experience on the application of distance learning.
- The feasibility study was conducted in first 6 countries: Cambodia, Indonesia, Lao PDR, Philippines, Thailand and Timor Leste.
- The feasibility study methods were conducted through face to face meetings with relevant parties in each country together with study on authoritative literature.



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Findings of feasibility study

1. Those 6 initial countries shown different levels of development in MRA-TP among countries, since it was signed in 2012
2. Since the application and implementation of MRA-TP by various education and training providers of each country is voluntary, it leads to the differences in quality of teaching, evaluation and curriculum standards.
3. Differences in level of English proficiency as the international language for professional mobility in ASEAN.
4. To assist the enhancement of professional competency development in tourism among studied countries, distance learning is considered an effective solution to provide linkage and accessibility of tools, learning resources and trainings



<https://seamolec.org/researchreport>



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba





Phase II (2019):

Development of
Housekeeping Series
CATC-based Online
Courses



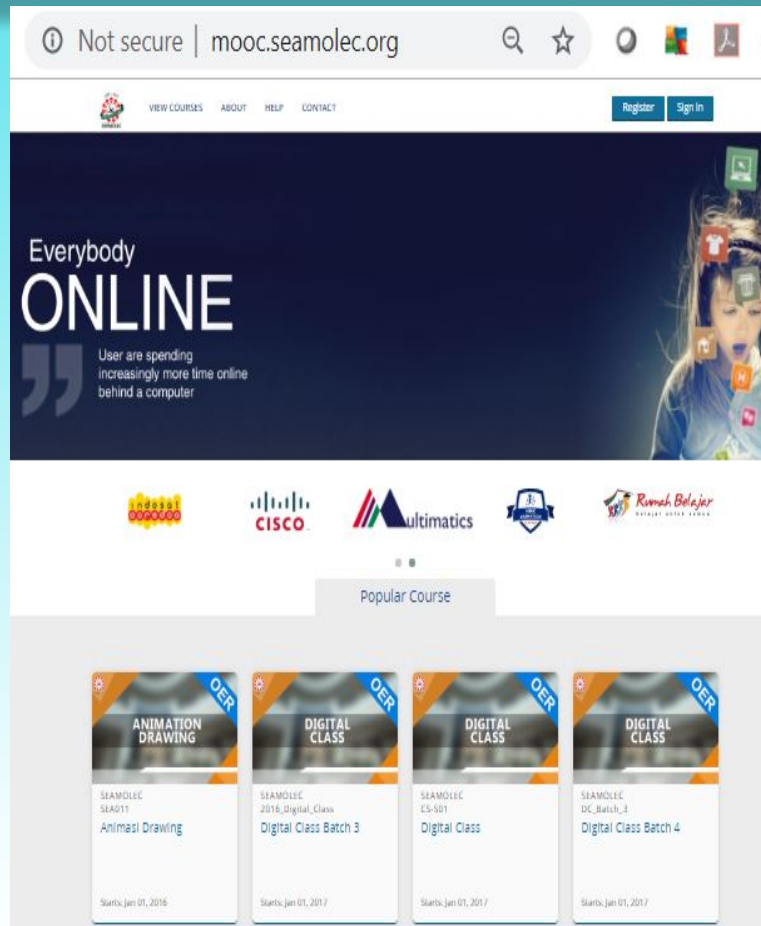
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



ONLINE COURSE DEVELOPMENT



- SEAMOLEC MOOC platform
- On the 1st phase, from 6 labor divisions with 242 unit-competencies provided in the toolbox, **3 unit-competencies in Housekeeping (level II)** have been chosen namely:
 - 1. Provide housekeeping service to guests
 - 2. Clean and prepare rooms for in-coming guests
 - 3. Provide a lost and found facility
- To prepare the online course, SEAMOLEC is working together with:
 - the Center for Business and Hospitality Teachers and Education Personnel Development and Empowerment, Ministry of Education and Culture, Republic of Indonesia as content specialist.
 - Consultative partner: Indonesia NTPB & TPCB

<http://mooc.seamolec.org/>



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Implementation scenario of 1st PILOT



Course recognition of each piloted country will be determined by each NTPB.

Before implementation, NTPB will:

1. Review and give feedback to the course
2. Identify the qualify tutors
3. Jointly sign the certificate of course completion


Trainers are ASEAN Master Trainers from Indonesia



SEAMEO - The University of T
13-14 February 2020, Tokyo Campus

Online Course Development by Utilizing Common ASEAN Tourism Curriculum (CATC) Toolboxes



SEAMOLEC: HK_CATC_10 Clean and Prepare Rooms For in-Coming Guestsrndseamolec ▾

Courseware

Course Info

Discussion

Wiki

Progress

Bookmarks

▼ Element 1 : Identify the Role of Room Attendants

Introduction

P.C 1.1 Describe the Services Delivered by a Room Attendant

P.C 1.2 Locate the Position of Room Attendants within the Enterprise

P.C 1.3 Identify the Personal Characteristics Required of a Room Attendant

P.C 1.4 Describe Grooming and Personal Presentation Standards for a Room Attendant

P.C 1.5 Interpret Enterprise Policies and Procedures for the Provision of Housekeeping Services

Element 1 : Identify the Role of Room Attendants > Introduction > Introduction

<


>

Bookmark

Introduction

Room attendants are located in any tourism and hospitality business that provides accommodation to their guests. In many hotels and resorts, more people are employed as room attendants than any other front line position.

The role of a room attendant is important for a number of reasons.



It may not be regarded as a glamorous position like working in



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

1st Pilot: Target Participants



No	Country	Nominated Education Institutions
1	Cambodia	Hun Sen Champuvoin High School
2	Indonesia	SMKN 3 Malang, SMKN 27 Jakarta, SMKN 57 Jakarta, SMK Metland
3	Lao PDR	Pakpasak Technical College, LANITH, National University of Lao
4	The Philippine	Lyceum of the Philippines University
5	Thailand	Inthrachai Commercial College, College of Business Administration and Tourism Bangkok
6	Timor Leste	Institute of Business (IOB), Labour Force Development Institutes (INDMO) & Sefope, National Centre for Employment and Professional Training of Tibar (CNEFP)



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Phase III (2020): 1st pilot



- Implementation of online courses in 6 countries
- Getting feedback and reviewing those 3 courses
- Development of 3 new courses for other competency units
- Invitation of 2nd pilot participants from countries of the 1st pilot and other SEAMEO member countries
- Invitation of ASEAN Master Trainers for other countries as online trainers of 2nd pilot
- Workshop for tutors and technical assistance for 2nd pilot



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



Phase IV (2021): 2nd pilot



- Online courses implementation (2nd Pilots)
- Project, Benefit, Monitoring and Evaluation



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba





Expected outputs

Six (6) online courses based on CATC toolboxes unit-competencies and materials are delivered to Southeast Asian TVET students.

Students will get the certificate of completion after the course recognized by each country NTPB.

Best practices from this pilot will be valuable foundation to accelerate understanding, distribution of toolboxes as well as availability of skilled workers based on ACCSTP



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba





筑波大学
University of Tsukuba



SEAMOLEC Online Training

SEAMEO - The University of Tsukuba
Symposium VIII
13-14 February 2020
Tokyo Campus, University of Tsukuba
Japan



TARGETMARKET



Lecturers



Teachers



Technicians



Staff



Students



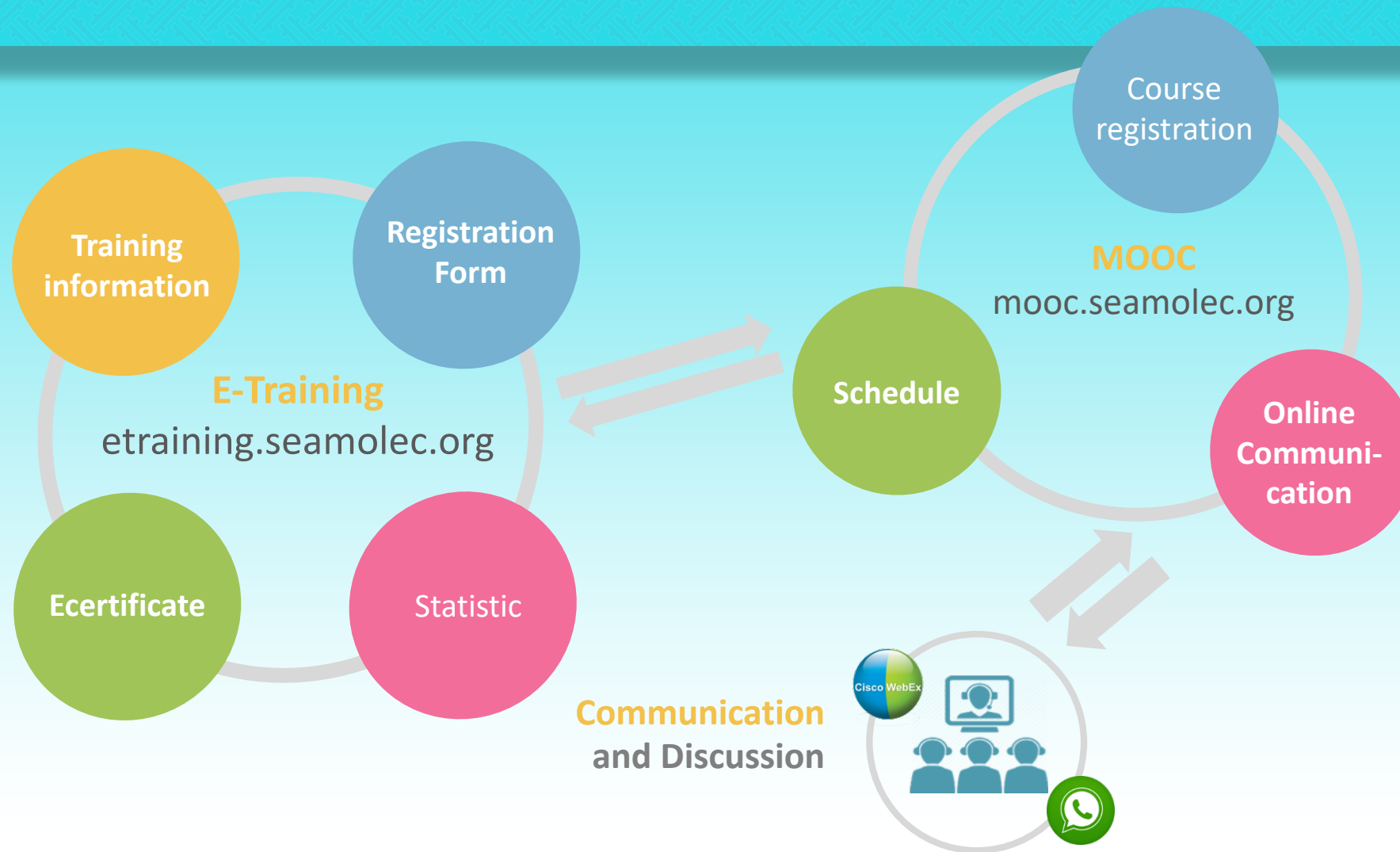
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



ONLINE TRAINING PLATFORM INTEGRATION SYSTEM



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

ONLINE TRAINING ACTIVITIES



PREONLINE COURSE

- How to get started to MOOC
- How to join course
- How to use video conference



LEARNING

- Read learning materials
- Finish self assessment
- Have a discussion
- Submit final project



COMPLETION

- Announce the graduates on website
- Download ecertificate through website



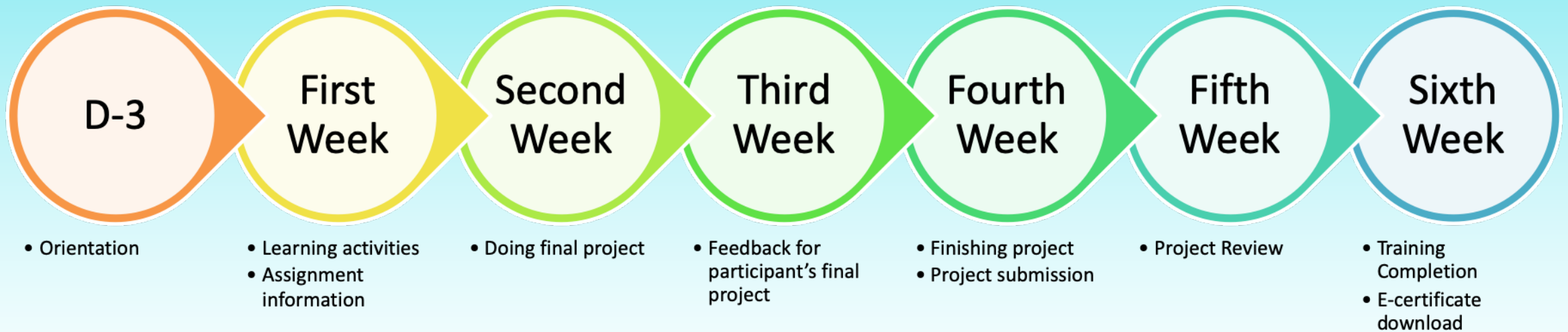
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



ONLINE TRAINING SCHEDULE



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan








筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

COURSE TITLES



 <p>Digital Class Development - Basic</p>	 <p>Whiteboard Animation Based Digital Learning Material</p>	 <p>Blog as Learning Media</p>	 <p>3D Visualization</p>	 <p>Android Programming - Basic</p>
 <p>GNS3 Based LAN Simulation</p>	 <p>Comic Digital as Learning Material</p>	 <p>EPUB Based Learning Material</p>	 <p>GDevelop Based Education Game</p>	 <p>Windows 10 Mobile</p>



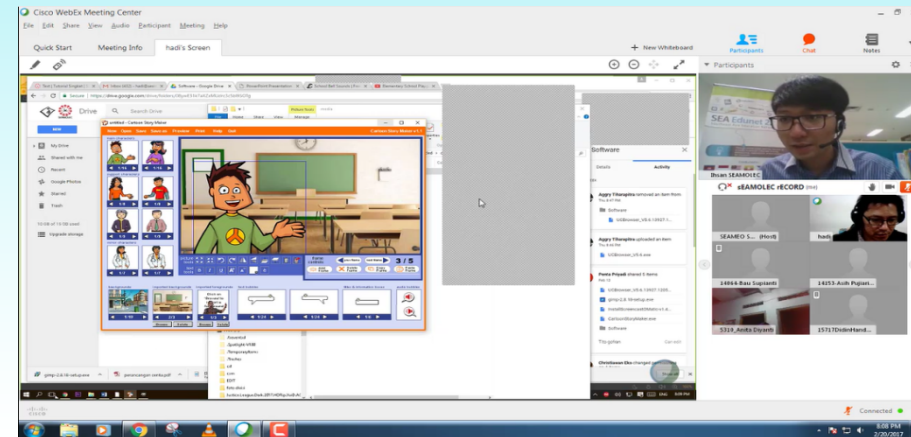
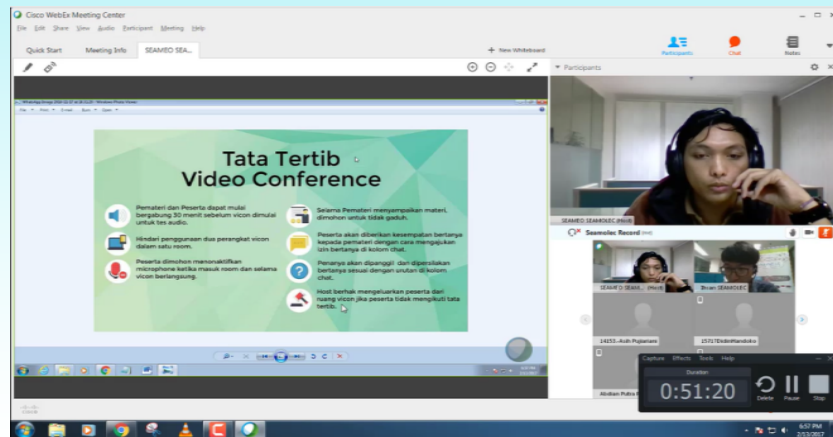
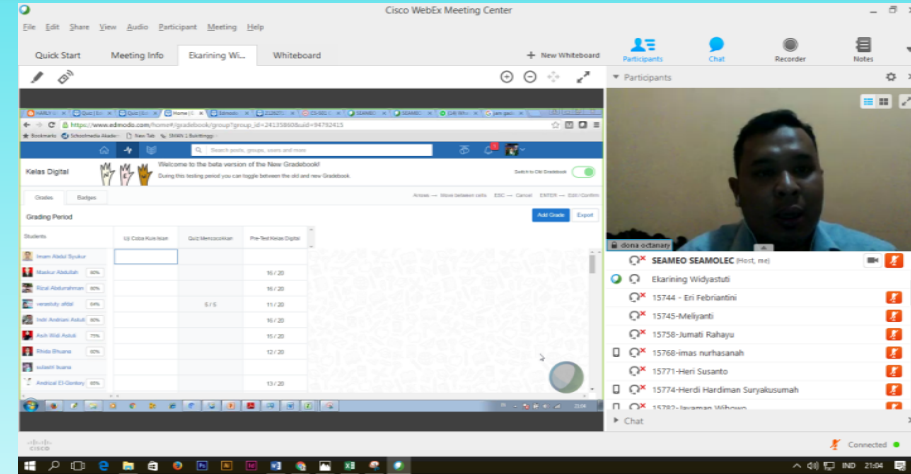
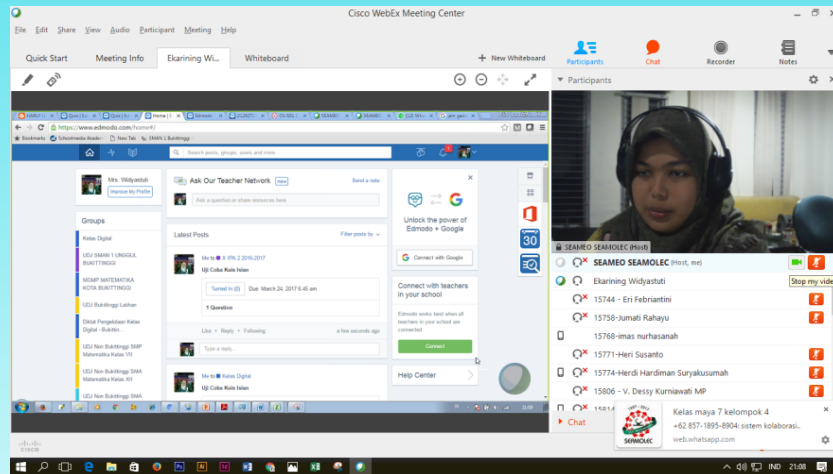
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



ONLINE TRAINING DISCUSSION SESSION



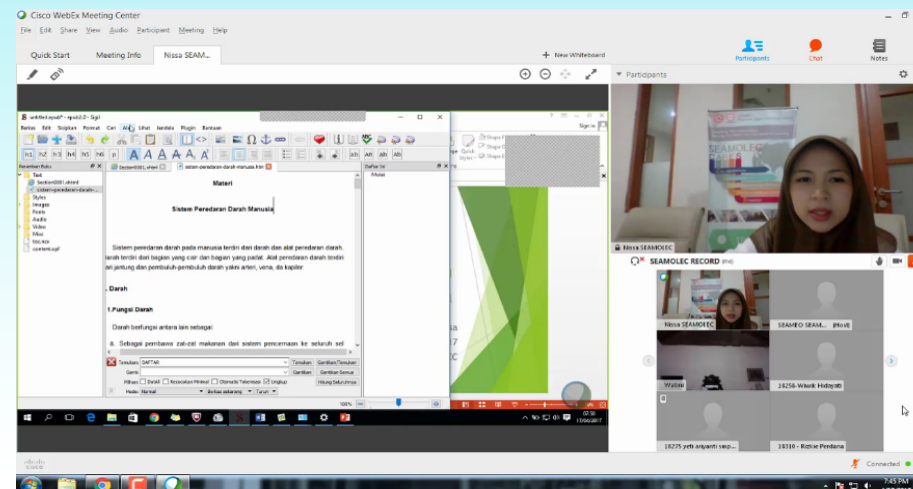
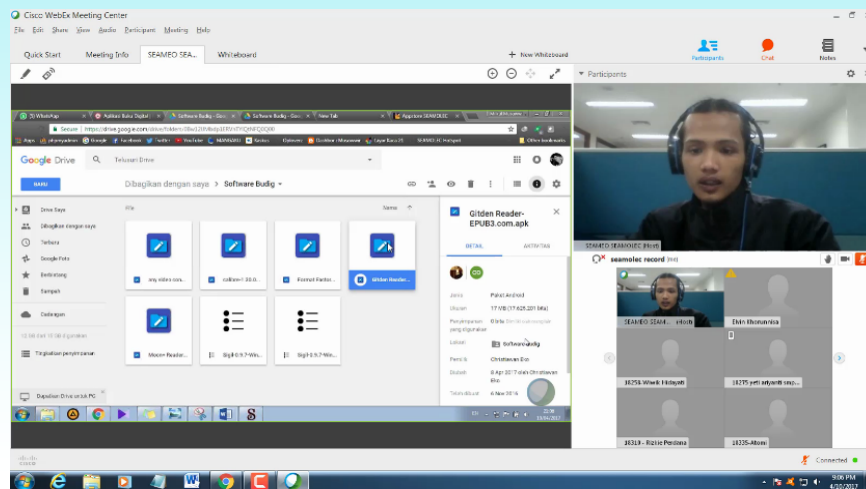
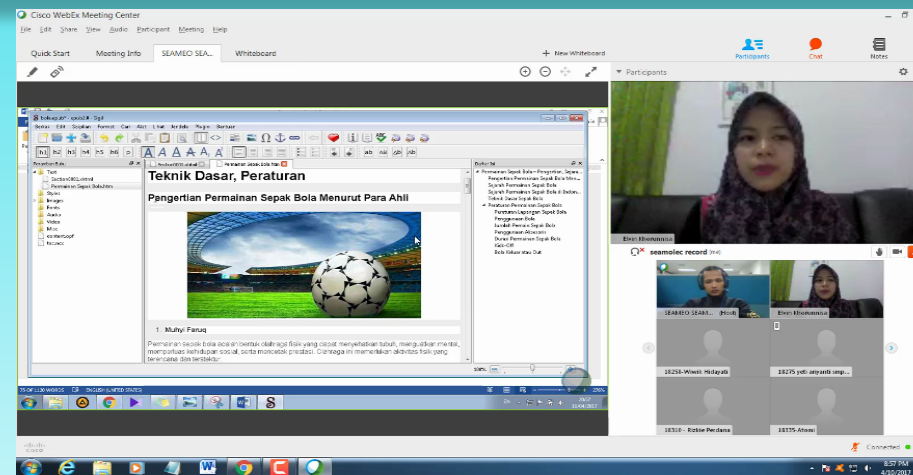
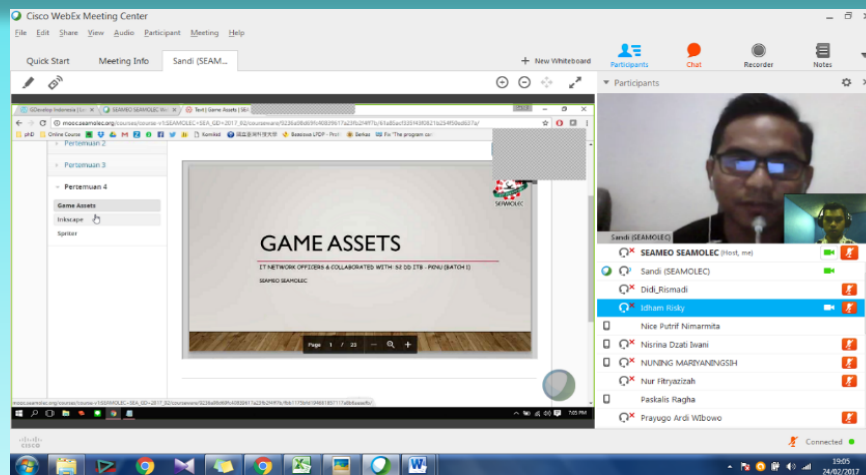
SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



ONLINE TRAINING DISCUSSION SESSION



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba





筑波大学
University of Tsukuba



Consultancy Services in ODL and ICT for Education

SEAMEO - The University of Tsukuba
Symposium VIII
13-14 February 2020
Tokyo Campus, University of Tsukuba
Japan



As contribution to its partners, SEAMOLEC provides consultancy services related to the ODL system and its technology to regional partners from the level of Ministries, universities, organizations and other SEAMEO Centres.



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN



THANK YOU

ARIGATOU GOZAIMASU

TERIMA KASIH



SEAMEO - The University of Tsukuba Symposium VIII
13-14 February 2020, Tokyo Campus, University of Tsukuba, Japan



筑波大学
University of Tsukuba



MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN