

UNESCO International Training Course: Past, Present and Future

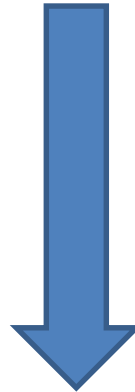


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Biotechnology (ICBiotech)**
Osaka University

UNESCO Final Workshop
2017.10.15 India

JFIT Program of New UNESCO Training Course

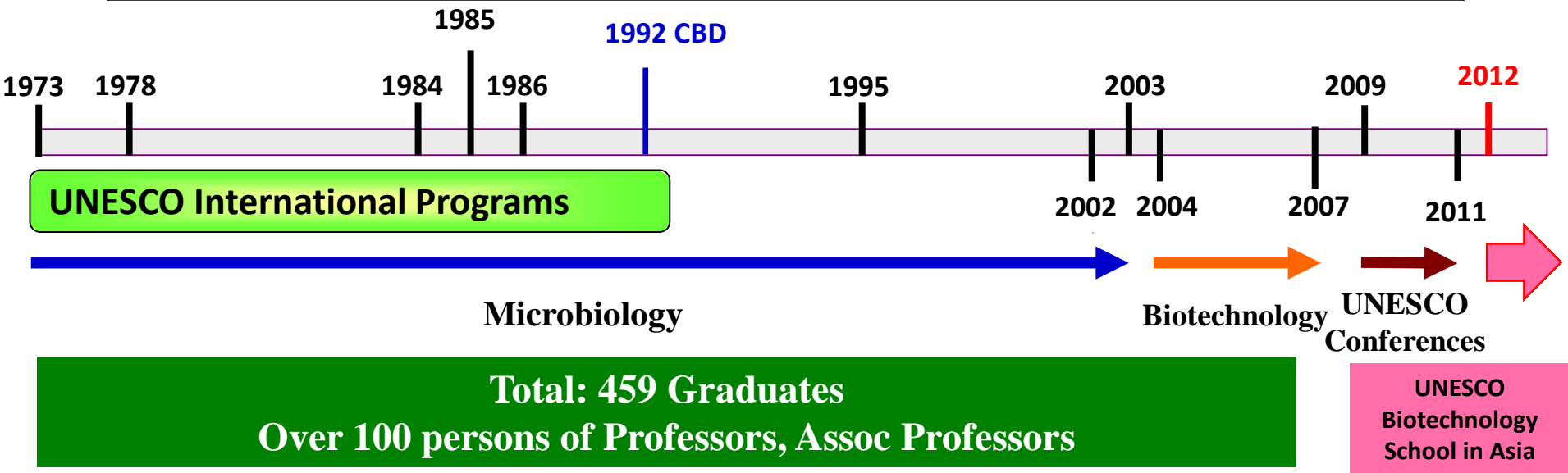
**JFIT =
Japanese
Fund-In-Trust
for UNESCO**



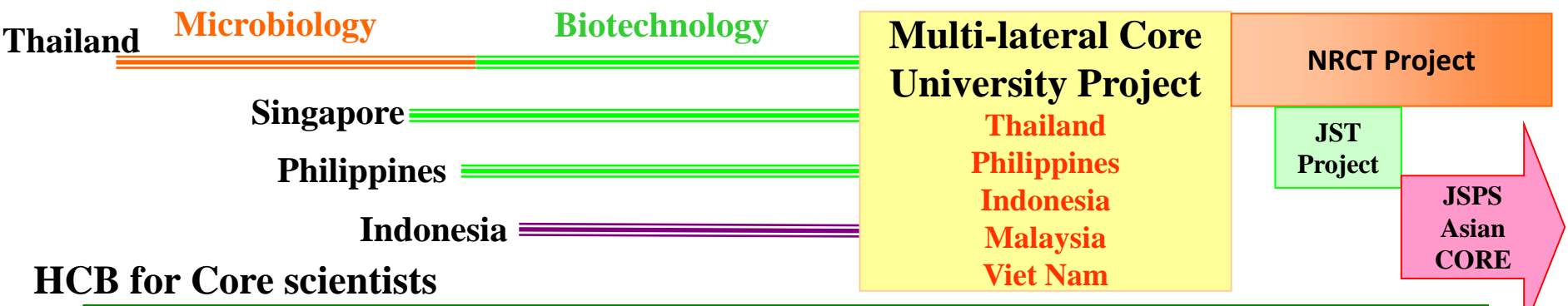
UNESCO Biotechnology School in Asia

Starting from August 2012

International Projects Operated by ICBiotech

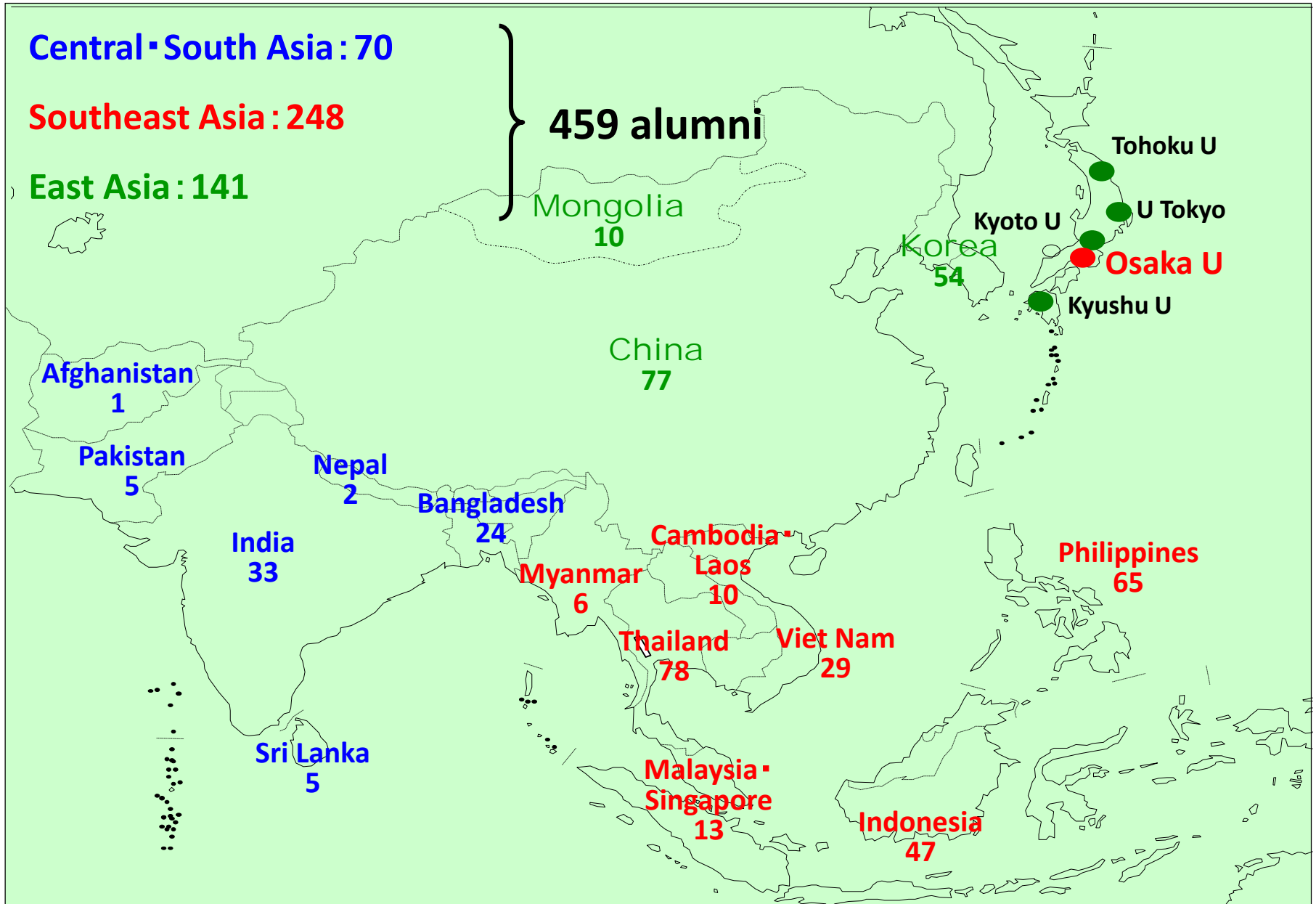


Human Capacity Building for Young scientists



Researcher Exchanges
Total Exchanges: over 64,000 days·person, Original articles over 600 papers

Country Distribution of Graduates



Applicants by Region for Postgraduate Inter-University Course in Biotechnology 2004-2007

Region	Country	Number of Applicants	Region	Country	Number of Applicants
East Asia	China	10	Southeast Asia	Cambodia	7
	Korea	1		Laos	27
	Mongolia	26		Myanmar	37
	Subtotal	37		Subtotal	71
Southeast Asia	Indonesia	30	South Asia	Bangladesh	25
	Malaysia	11		India	16
	Philippines	23		Nepal	3
	Thailand	31		Pakistan	9
	Viet Nam	41		Sri Lanka	7
	Subtotal	136		Subtotal	60

Total = 304 applicants

Nearly 70% from SE Asia

Background Considerations from Previous Two Courses and Inputs from Conference series

1. High demand from **developing countries** (Laos, Cambodia, Myanmar, Mongolia etc)
2. Benefit from **multi-country operation**
3. High demand + readiness as the host (**Thailand, Philippines, Indonesia and Vietnam**)
4. Benefit from **long-term training** (≥ 1 year)
5. Demand for **academic degree**

Organization of New UNESCO Course

UNESCO Jakarta

Osaka U

Academic Mega-consortium

Program Committee

Selection Committee

Japanese
Academic
Consortium

Osaka U

Tohoku U

U Tokyo

Kyoto U

Kyushu U

Indonesian
Academic
Consortium

U Gadjah Mada

Inst Teknol Bandung

U Indonesia

LIPI

Philippine
Academic
Consortium

UP Los Baños

UP Diliman

UP Manila

De La Salle U

U Santo Tomas

Ateneo de Manila U

Thai
Academic
Consortium

Mahidol U

Chulalongkorn U

Kasetsart U

KMUTT

BIOTEC

Vietnam
Academic
Consortium

VNU Hanoi

VNU Ho Chi Minh

History of UNESCO Postgraduate Courses

**UNESCO International Postgraduate University
Course in Microbiology (1973 – 2003)**



**UNESCO Postgraduate Inter-University Course in
Biotechnology (2004 – 2007)**



**UNESCO Conferences (Bangkok, Hanoi, Manila, Yogyakarta, Bangkok)
to design new program (2008 – 2011)**



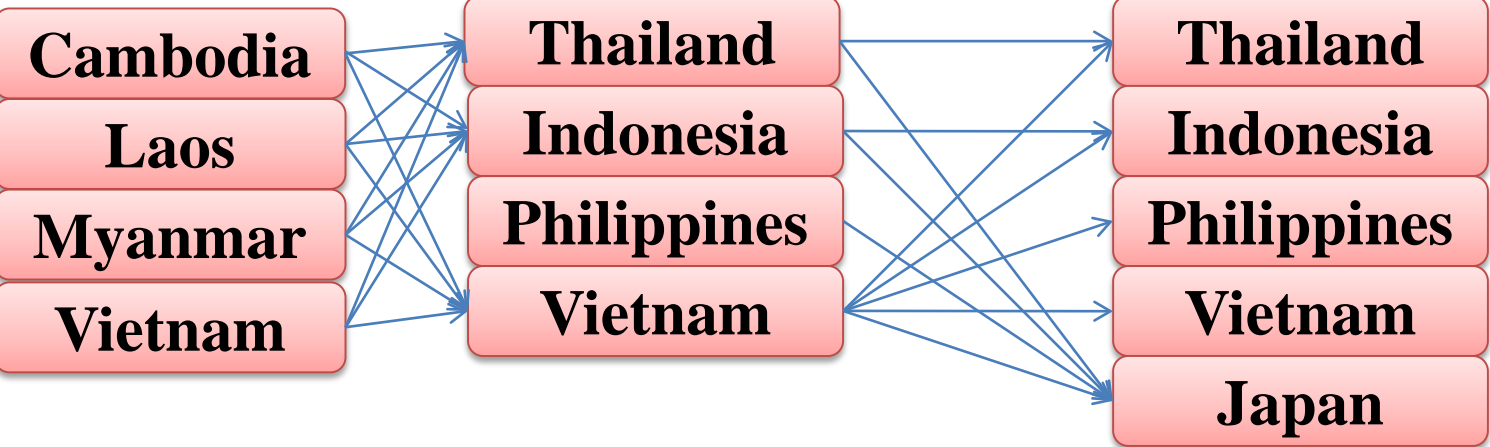
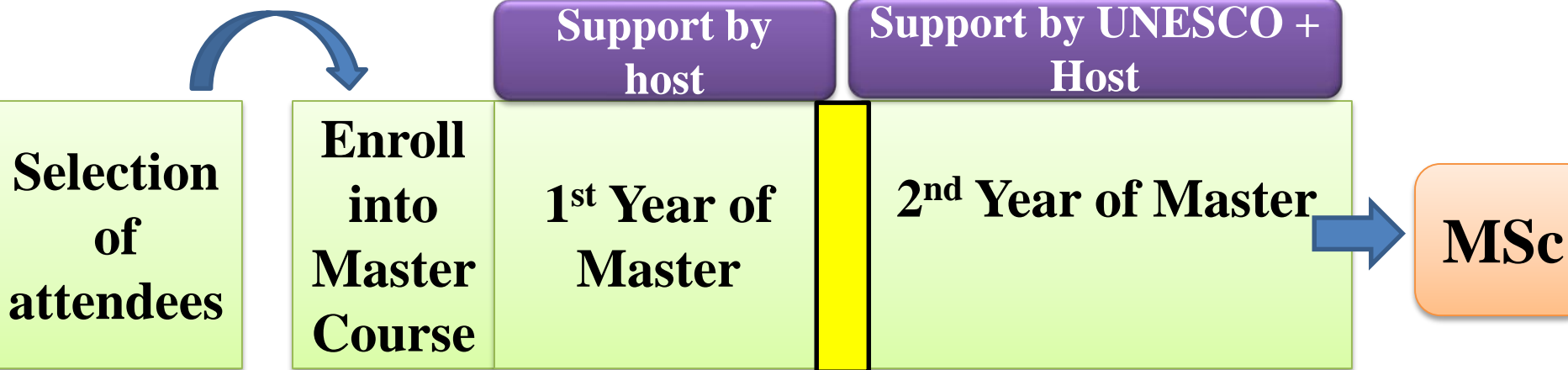
UNESCO Biotechnology School in Asia (2012 - 2017)

UNESCO Biotechnology School in Asia

Only Bachelor degree holders

~~Master degree holders
Doctor degree holders~~

11-15 participants per batch



 10-days stay at Osaka U

Two Categories of Students Studying in the UNESCO Course

Category 1

Enroll into Ms course
of Indonesia, Thailand,
or VN, and study for 2
years

MSc
degree
from
Host U

Category 2

Study for
M1 at
Home U

Research
for M2 at
Host U

MSc
degree
from
Home U

Examples in the New Course

Mid-term evaluation on performance to decide the step to the 2nd year

UNESCO Course

1st Year of Master

2nd Year of Master

**Student from
Laos/Cambodia**

Indonesia/Thailand

Indonesia/Thailand

**MSc by
Univ**

Indonesian Student

In Indonesia

Japan

**MSc by
Univ**

Vietnam Student

In Viet Nam

Thailand

**MSc by
VN Univ**

Philippine Student

In Philippine

Japan

**MSc by
Philippine
Univ**

Opening and 10-days lecture at OU

Comparisons between the Course in Microbiology, in Biotechnology, and Biotechnology School

Item	In Microbiology 1973-2003		
Number of Alumni	411 No degree		
Period of operation	30 years		
Funding	Japan / UNESCO		
Location	Japan		
Committed universities	5 Major Japanese universities		
Course separation	1 course		
Lectures	Osaka		
Research training	Japan		

Participants of the Course

Cambodia	11
Laos	7
Mongolia	1
Vietnam	3

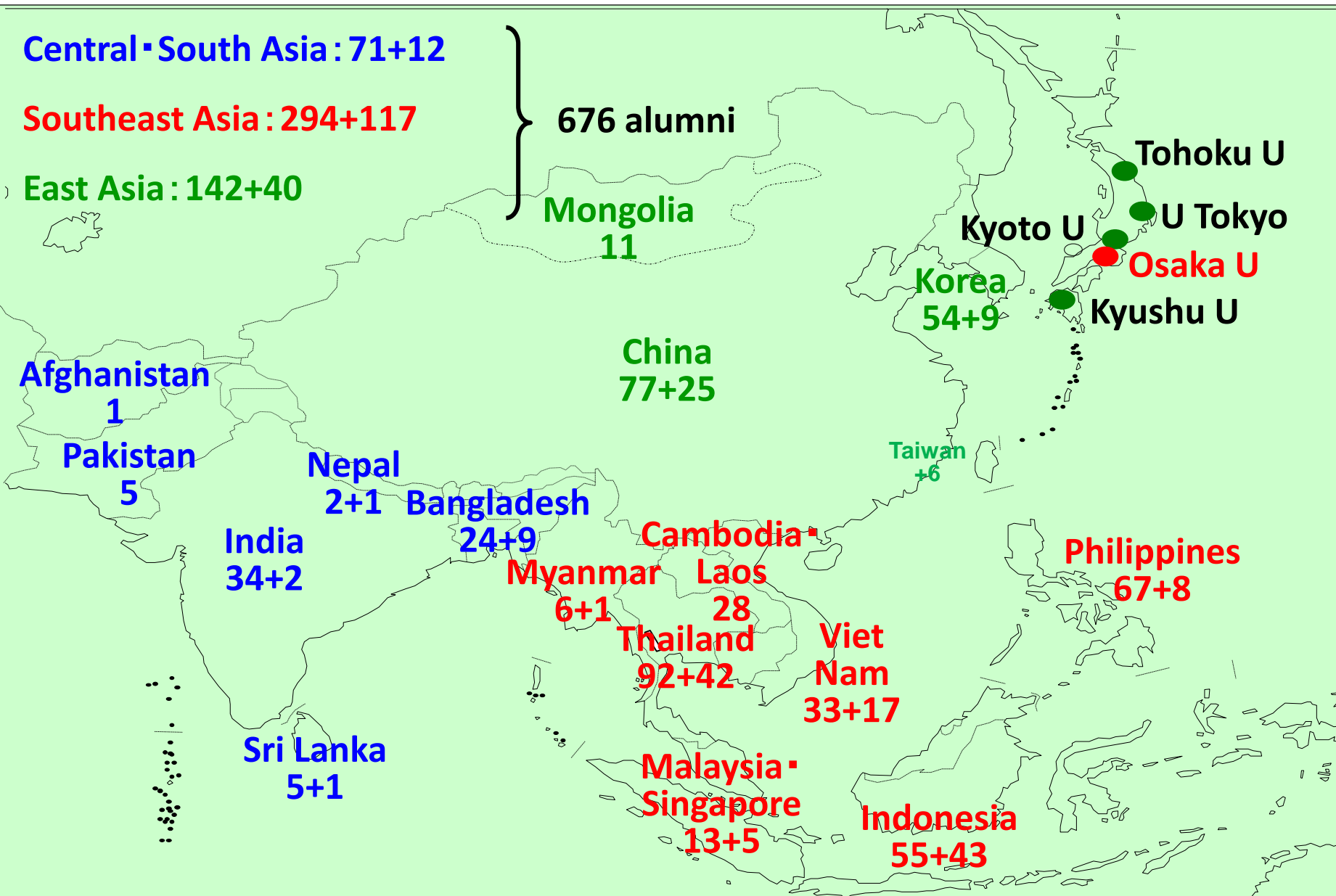
Indonesia	4
Philippines	4
Thailand	3

Total 33 participants

Assigned University	Number of Participants
Indonesian U	9
Philippine U	4
Vietnam U	3
Thai U	20
Osaka U	11

Country Distribution of Attendees

2017.1.18



Examples of Future Evolution

UNESCO Course

1st Year of Doctor 2nd Year of Doctor 3rd Year of Doctor

Student from Laos/Cambodia

Thailand

Thailand

Thailand

PhD by Thai Univ

Thai Student

Thailand

Japan

Thailand

PhD by Thai Univ

Vietnam Student

Viet Nam

Thailand

Viet Nam

PhD by VN Univ

Indonesian Student

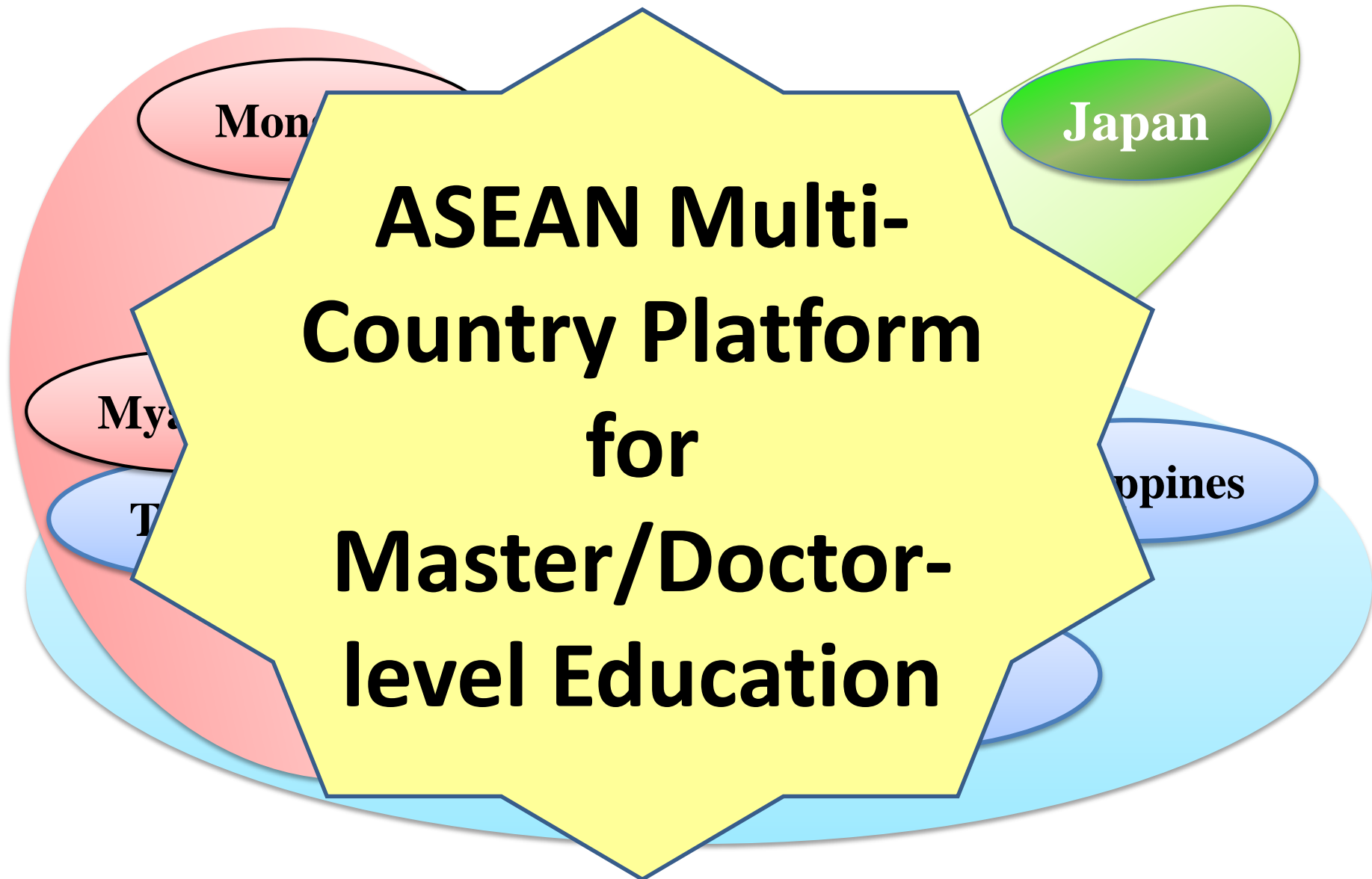
Indonesia

Indonesia

Japan

PhD by Indonesian Univ

Cooperating Network in New Course



Mon

Japan

**ASEAN Multi-Country Platform
for
Master/Doctor-level Education**

Mya

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Thank you for the kind attention.

**Wish your continued support to
improve the course.**



United Nations
Educational, Scientific and
Cultural Organization



OSAKA UNIVERSITY

