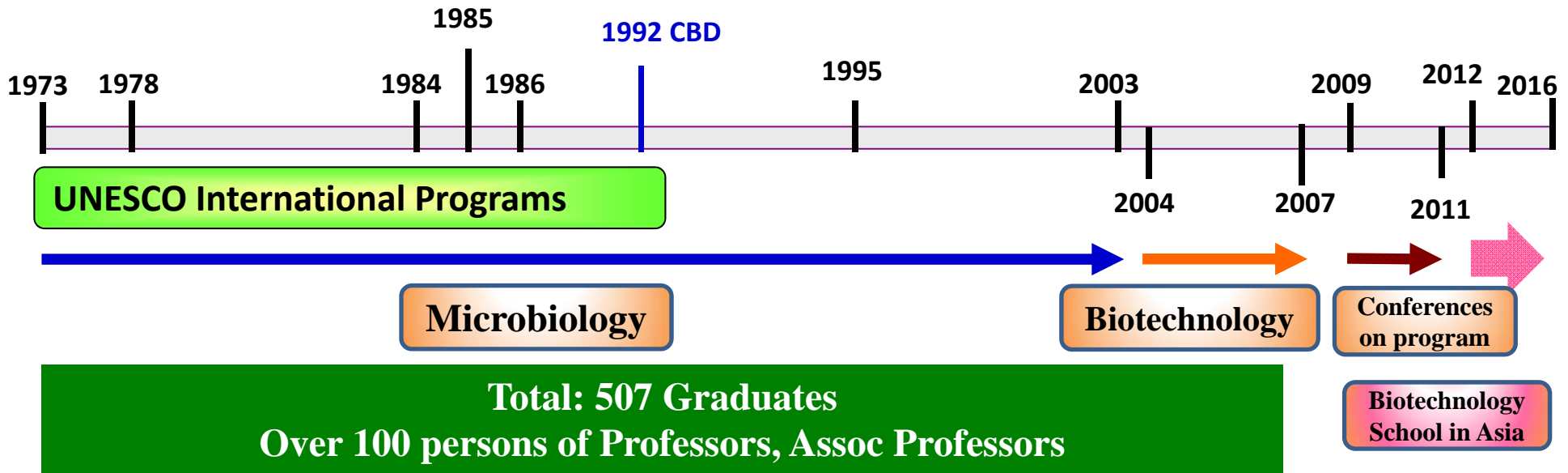


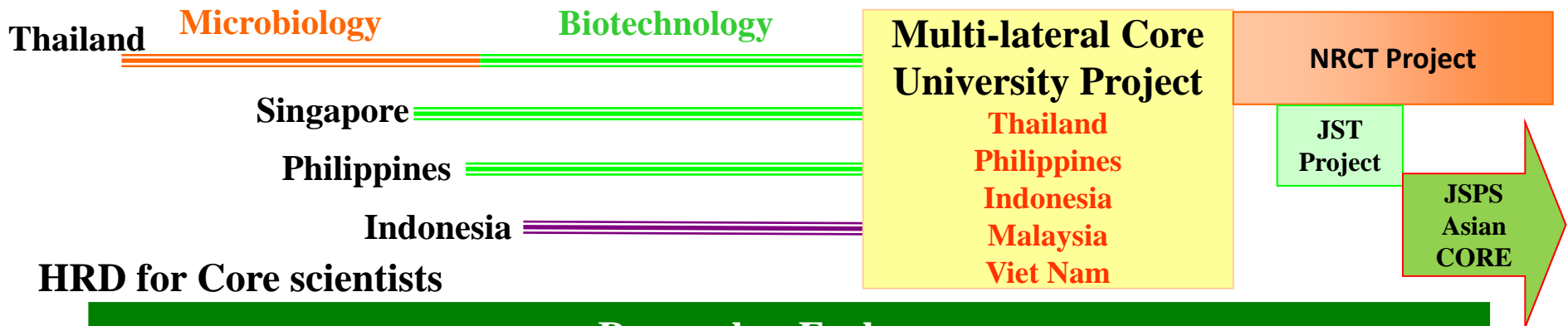
# UNESCO Biotechnology School in Asia (2012-2106)

**Takuya Nihira**  
**International Center for Biotechnology**  
**Osaka University**  
**At Bali meeting, 2016-7-21**

# International Projects Operated by ICBiotech



HRD for Young scientists



HRD for Core scientists

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

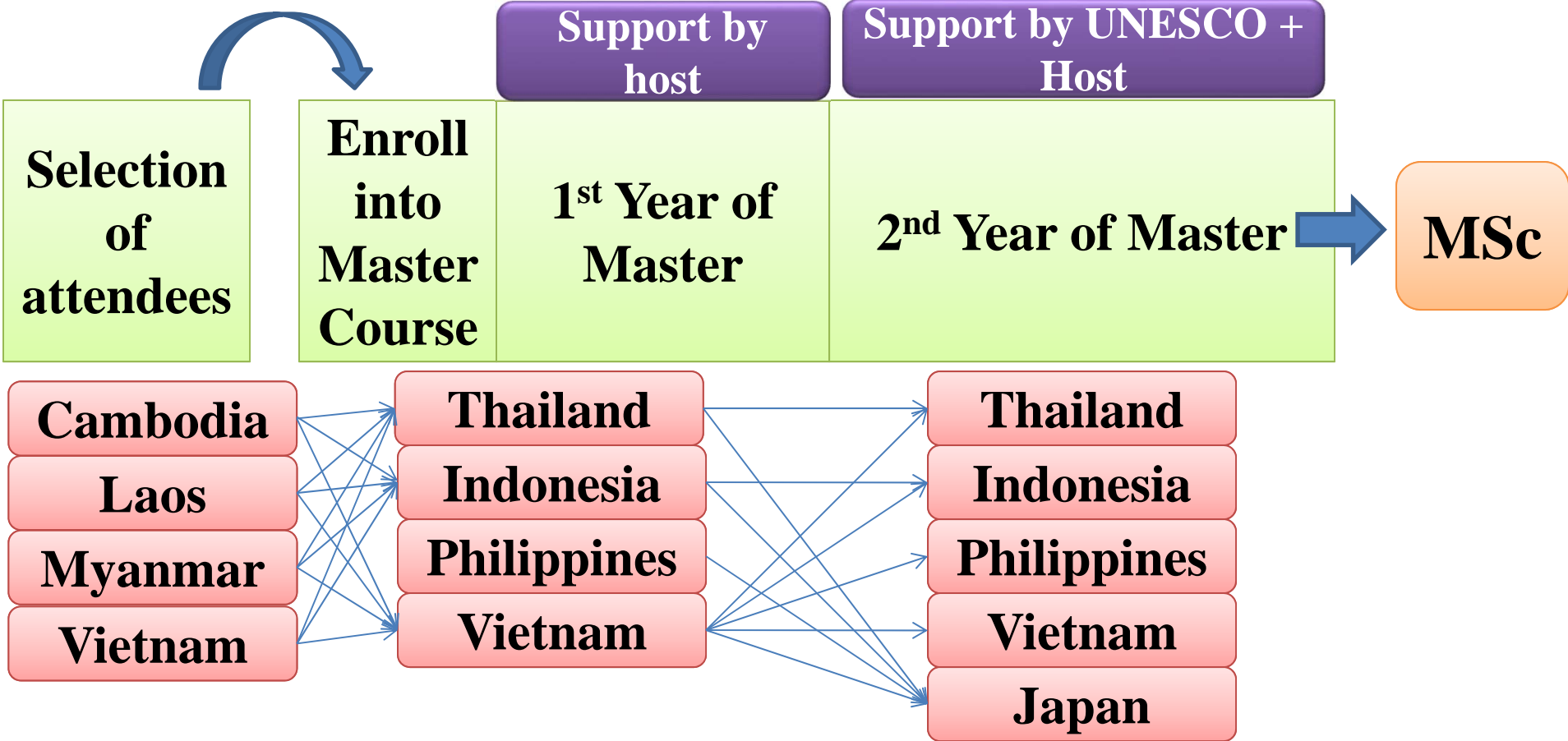
# Comparisons between the Course in Microbiology and in Biotechnology

Item	In Microbiology 1973-2003	In Biotechnology 2004-2007
Number of Alumni	411	48
Period of operation	30 years/30 batches	3 years/3 batches
Funding	Japan / UNESCO	Japan / <b>Thailand</b>
Location	Japan	Japan / <b>Thailand</b>
Committed universities	5 Major Japanese universities	5 Major Japanese universities
		<b>4 Major Thai universities and BIOTEC</b>
Course separation	1 course	Fundamental course
		Advanced course
Lectures	Osaka	<b>Bangkok</b> / Osaka
Research training	Japan	Japan / <b>Thailand</b>

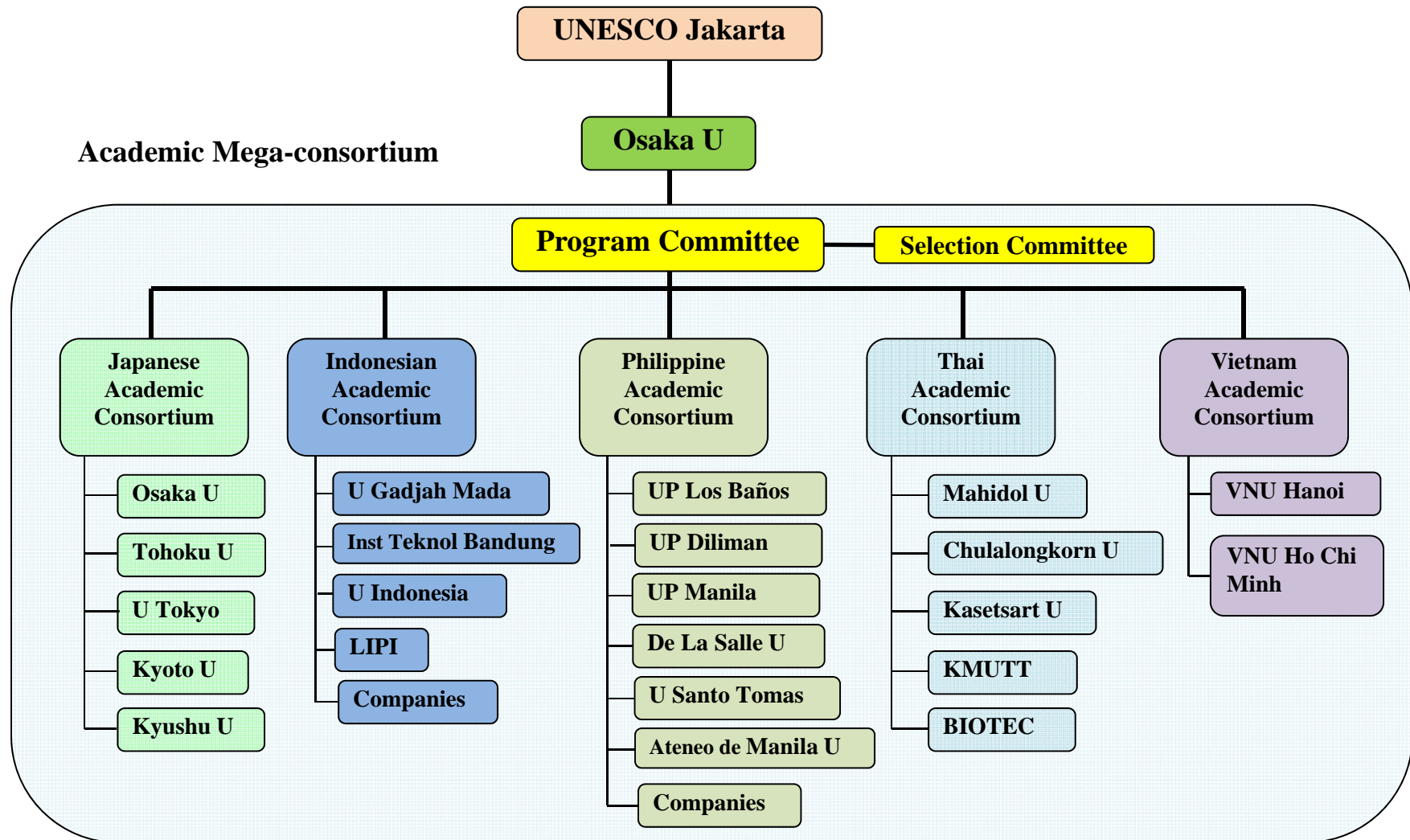
# UNESCO Biotechnology School in Asia (from 2012)

Only Bachelor degree holders

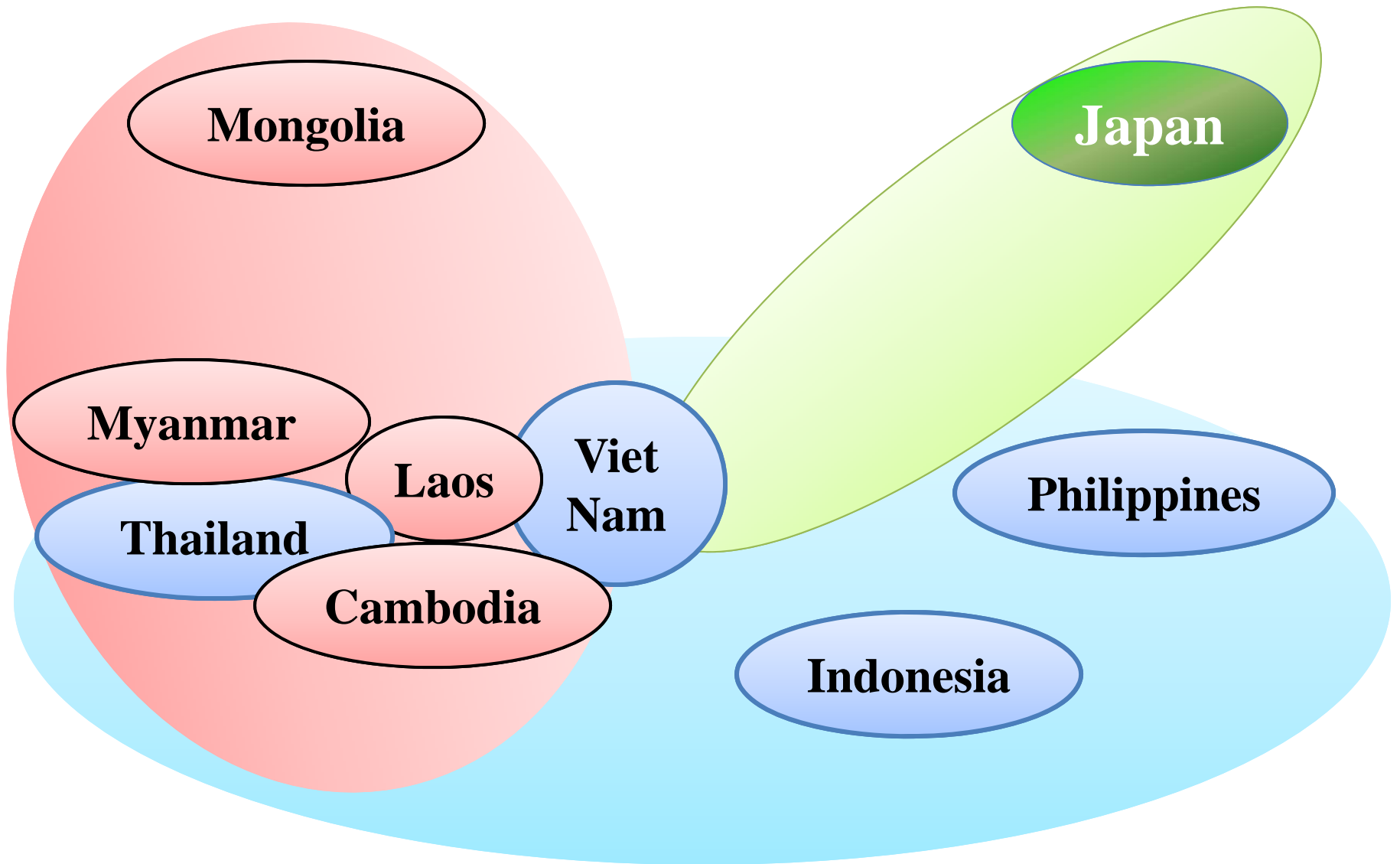
11-12 participants per year



# Organization of UNESCO Biotechnology School in Asia

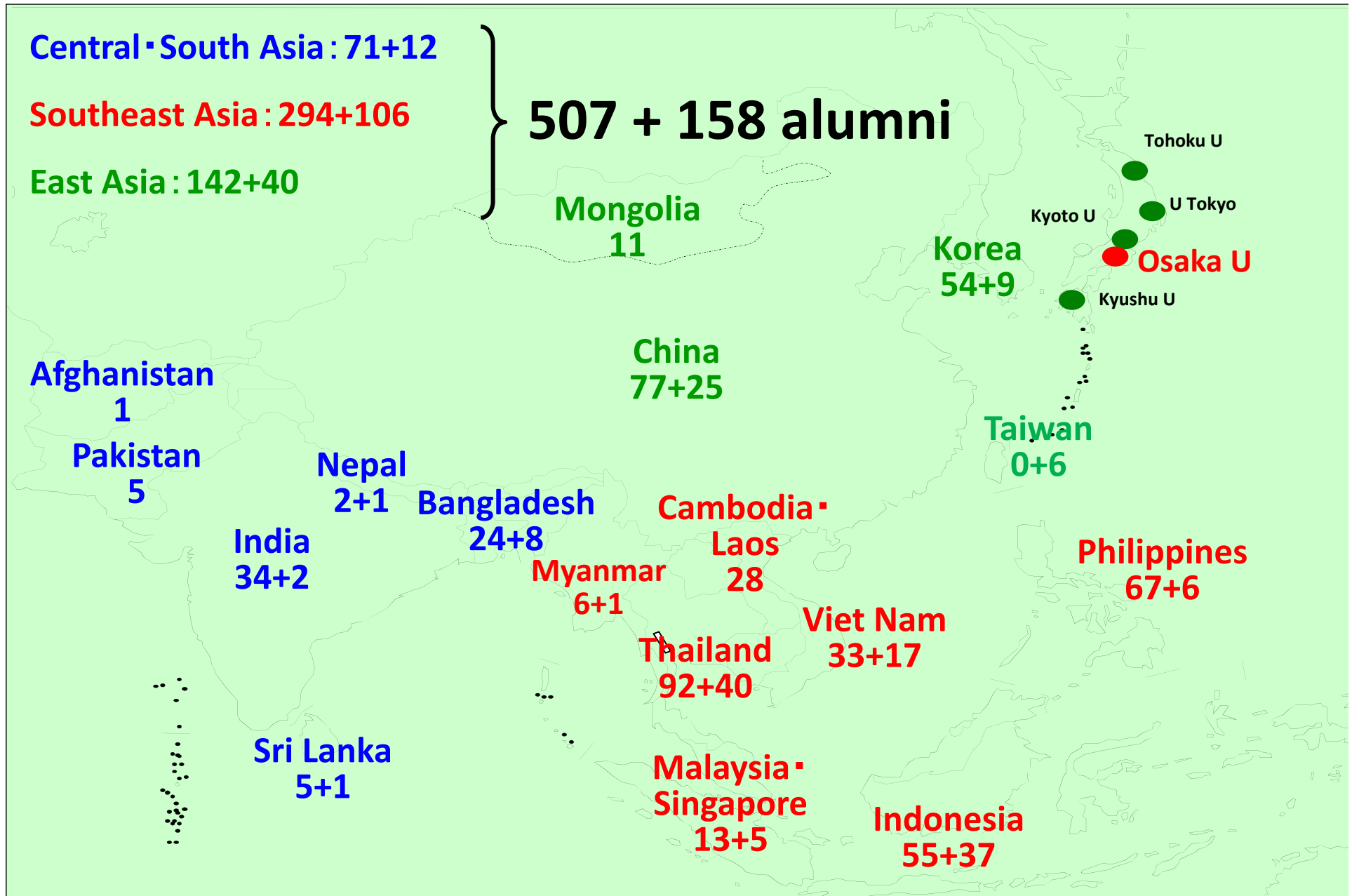


# Cooperative Network in the New Course



# Country Distribution of Attendees

2016.7.1









# 生物工学国際交流センター

## International Center for Biotechnology (ICBiotech)

Aiming for promoting education and research in biotechnology, and being the hub of collaboration with Asian countries

