

# Creation of a Flexible Education and Research Structure at the University of Tsukuba

The 3<sup>rd</sup> Japan-Indonesia Rector's Conference  
5th-6th November, 2015



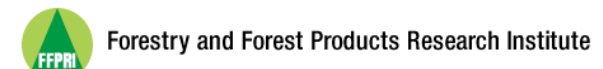
**Dr. Koji HISATAKE**  
Regional Director for Southeast Asia  
Chair of Master's Program in Medical Sciences  
University of Tsukuba

## Center of Research and Development

Tsukuba is the largest science city in Japan

**32** national research institutes and related organizations, accommodating about **30%** of all national institutes as well as more than **200** private institutes.

**1** out of **10** residents of Tsukuba city is a researcher.



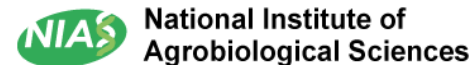
Forestry and Forest Products Research Institute



独立行政法人 物質・材料研究機構  
National Institute for Materials Science



National Research Institute for Earth Science and Disaster Prevention.



独立行政法人 農業・食品産業技術総合研究機構

# Tsukuba International Strategic Zone

IMAGINE THE FUTURE.



University of Tsukuba, Campus



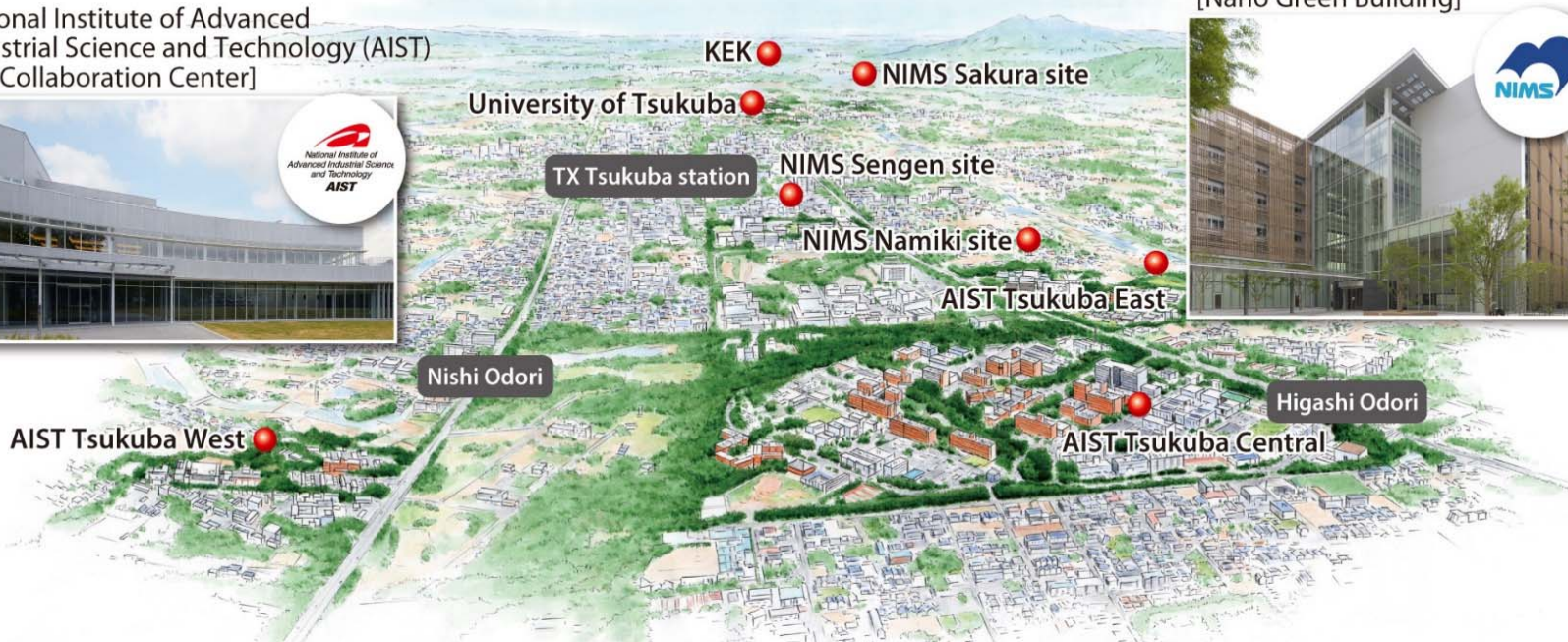
High Energy Accelerator Research Organization (KEK) [Photon Factory]



National Institute of Advanced Industrial Science and Technology (AIST) [TIA Collaboration Center]



National Institute for Materials Science (NIMS) [Nano Green Building]



## 42+101 Years of Unique History

### 143 years of History and Tradition

Founded as Higher Normal School (1872)

→ Tokyo University of Education (1949)

→ University of Tsukuba (1973)



**Dr. TOMONAGA  
Sin-Itiro**  
(Physics, 1965)

### 3 Nobel Laureates



**Dr. ESAKI Leo**  
(Physics, 1973)



**Dr. SHIRAKAWA Hideki**  
(Chemistry, 2000)

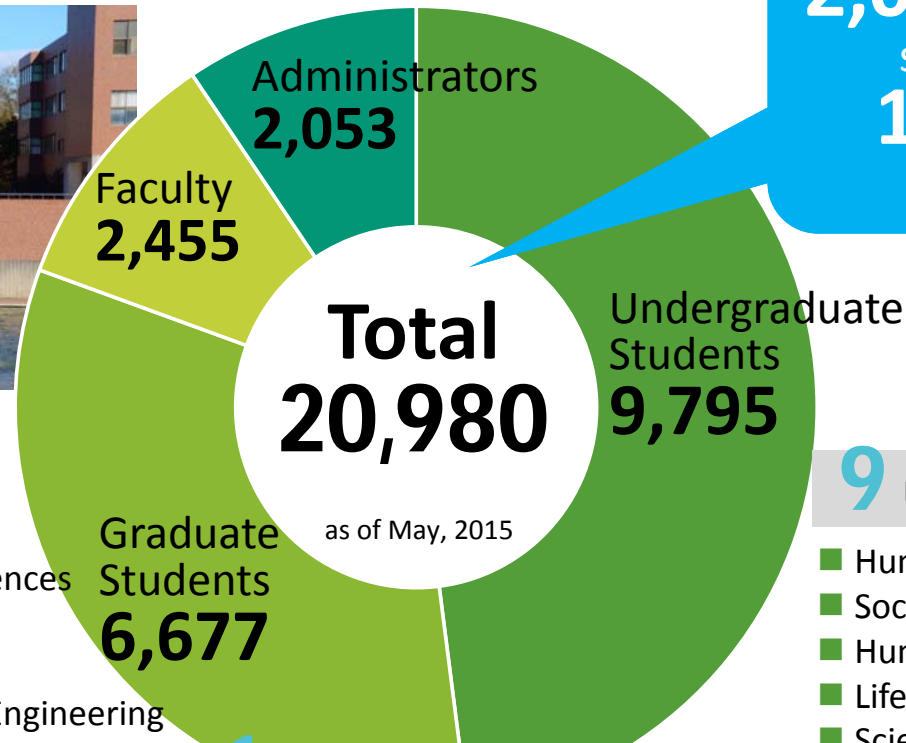
### 61 Medals in Olympic Games





## 8 Graduate schools

- Education
- Humanities and Social Sciences
- Business Sciences
- Pure and Applied Sciences
- Systems and Information Engineering
- Life and Environmental Sciences
- Comprehensive Human Sciences
- Library, Information and Media Studies



## 9 Undergraduate Schools

- Humanities and Culture
- Social and International Studies
- Human Sciences
- Life and Environmental Sciences
- Sciences and Engineering
- Informatics
- Medicine and Medical Sciences
- Health and Physical Education
- Art and Design

## 1 Integrative School

- School of Integrative and Global Majors (SIGMA)

## 13 Overseas Offices in 12 Countries



## Our Goals and Efforts at Realizing Our Vision

### 1. Internationalization .....Enhance mobility

Transborder research and education via the Campus-in-Campus scheme and the Course Juke-box system

### 2. Governance .....Take advantage of resources that the world has to offer

Annual salary system, **int'l tenure track system**, HR point system, joint employment of academic staff

### 3. Educational Reform.....Recruit talented students from all over the world

Recruit IB school graduates, strengthen ties with SGHs and our affiliated HSs,  
newly create joint degree programs

### 4. Increased Transparency etc. ....Strengthen global reputation

Publish *Tsukuba Standard* vol.3

### 5. Our Own Achievement Indices.....Promote comprehensive internationalization

Sharing of research and education units with overseas institutions, Tuning of our educational programs

## EDUCATIONAL REFORM

Development of global leaders aimed at resolving global issues.  
Improvement of Students mobility



**CAMPUS IN CAMPUS**  
**COURSE JUKEBOX SYSTEM**

**WORLD STANDARD DEGREE PROGRAM**  
**REFORM OF ADMISSION PROCEDURES**

## PROJECTS AND PROGRAMS OVERVIEW

**G30 program**

**Program for Leading Graduate Schools**

**Project for Promotion of Global Human Resource Development**

**Re-Inventing Japan Project**

**The Project for Promoting the Enhancement of National Universities**



MORE ABOUT



TOP GLOBAL UNIVERSITY PROJECT



## RESEARCH REFORM

Promotion of innovative research.  
Productivity Improvement of international joint paper



### COURSE JUKEBOX SYSTEM

PROMOTION OF COLLABORATIVE RESEARCH  
VIA CAMPUS-IN-CAMPUS SCHEME  
INVITE INTERNATIONAL RESEARCH  
UNIT TO TSUKUBA

## PROJECTS AND PROGRAMS OVERVIEW

**Funding Program for World-Leading Innovative R&D on Science  
and Technology (FIRST Program)**

**World Premier International Research Center Initiative (WPI)**

**The Program for Promoting the Enhancement of Research Universities**

**Strategic Initiative, University of Tsukuba Share Resources**

## Campus-in-Campus

Establish virtual campuses in our partner institutions, while allowing them to set up their own virtual campuses in our campus.

### Main Efforts

- Invite international research and education units to Tsukuba
- Develop and put into practice the Course Jukebox System
- Develop a range of collaborated programs
- Reform admission procedures
- Collaborate with research institutes in the Tsukuba Science City, Int'l Baccalaureate (IB) schools, and super global high schools



Transborder University

Principal points of reform

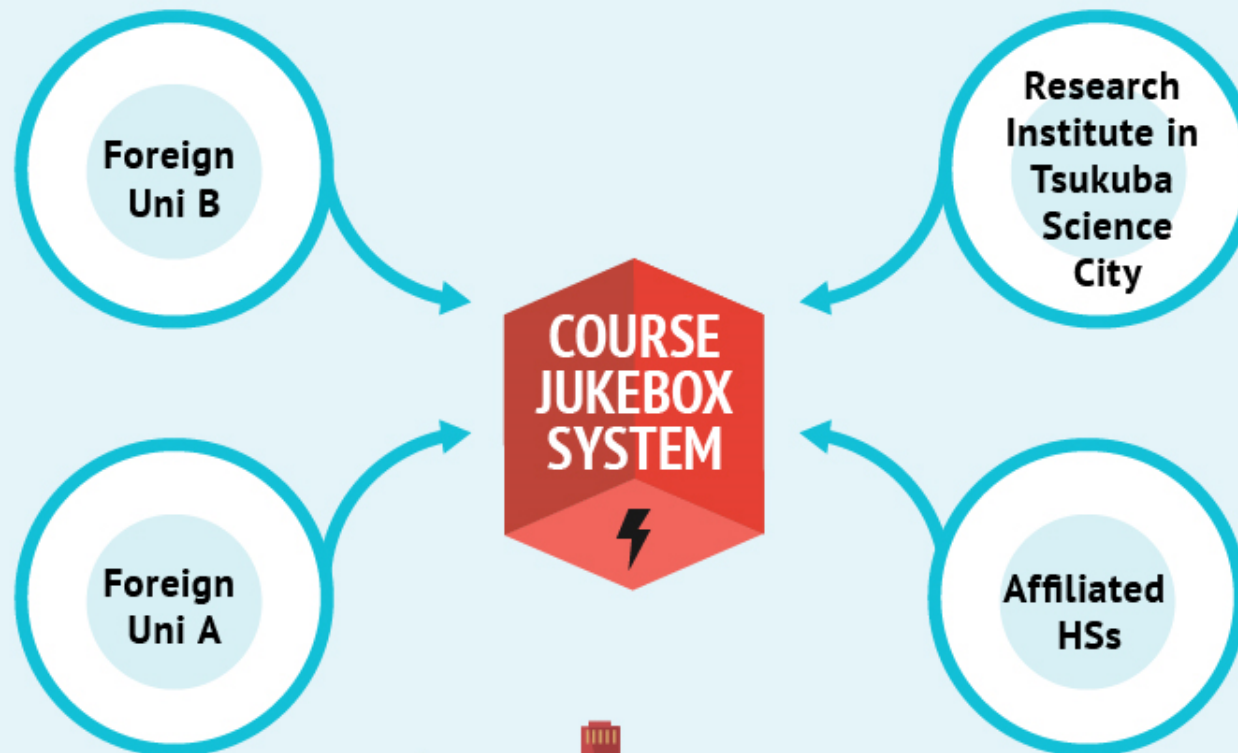
Education Reform

Research Reform

Governance Reform

## Juke Box System

Using the analogy of the music jukebox, the CIC initiative is based on the idea that students can choose the courses they need in much the same way they could select their songs from the machine and create a playlist.



\* By AY2020, we plan to establish our virtual campuses in 13 of our overseas partners.

# Re-Inventing Japan Project

IMAGINE THE FUTURE.

- TRANS europe-east asia education program for global development in the humanities and social sciences (TRANS)
- **ASEAN International Mobility for Students (AIMS)**
- Global Education Program for Developing Multilingual Human Resources in Japan, NIS and Baltic countries (Ge-NIS)
- Trans-Pacific Human Capital Development Program

Work in close collaboration

- \* Coordinator for Study in Japan Project (Brazil)

- a) Bonn Office
- b) Bordeaux Office
- c) Tashkent Office
- d) Almaty Office

**TRANS**

- e) Beijing Office
- f) Shanghai Office
- g) Tunis Office

**Ge-NIS**

**AIMS**

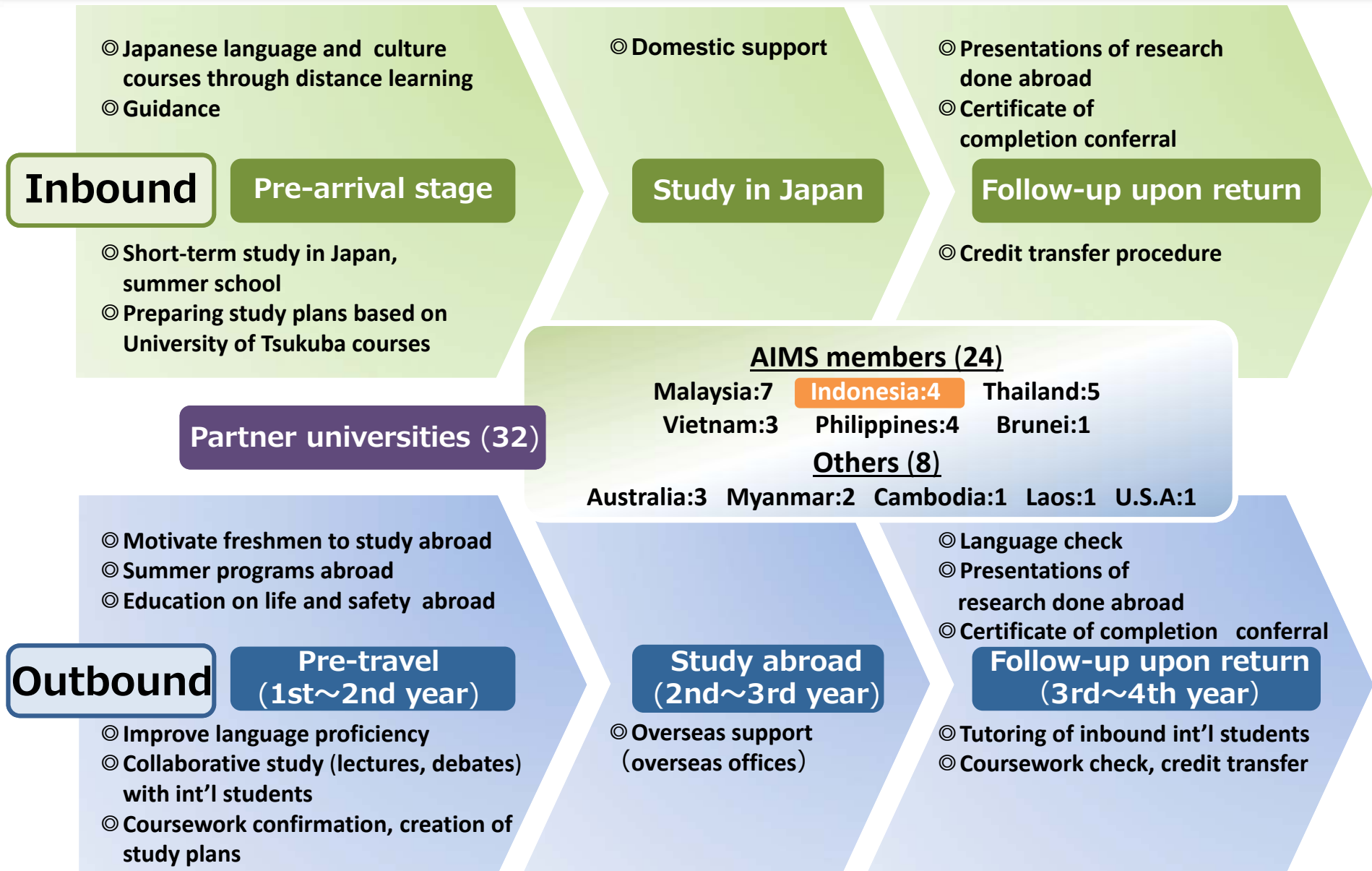
- h) Taiwan Office
- i) Ho Chi Minh City Office
- J) Kuala Lumpur Office
- k) Jakarta Office
- l) Irvine Office
- m) São Paulo Office

**Brazil**

University of Tsukuba Overseas Offices

# ASEAN International Mobility for Students (AIMS)

IMAGINE THE FUTURE.

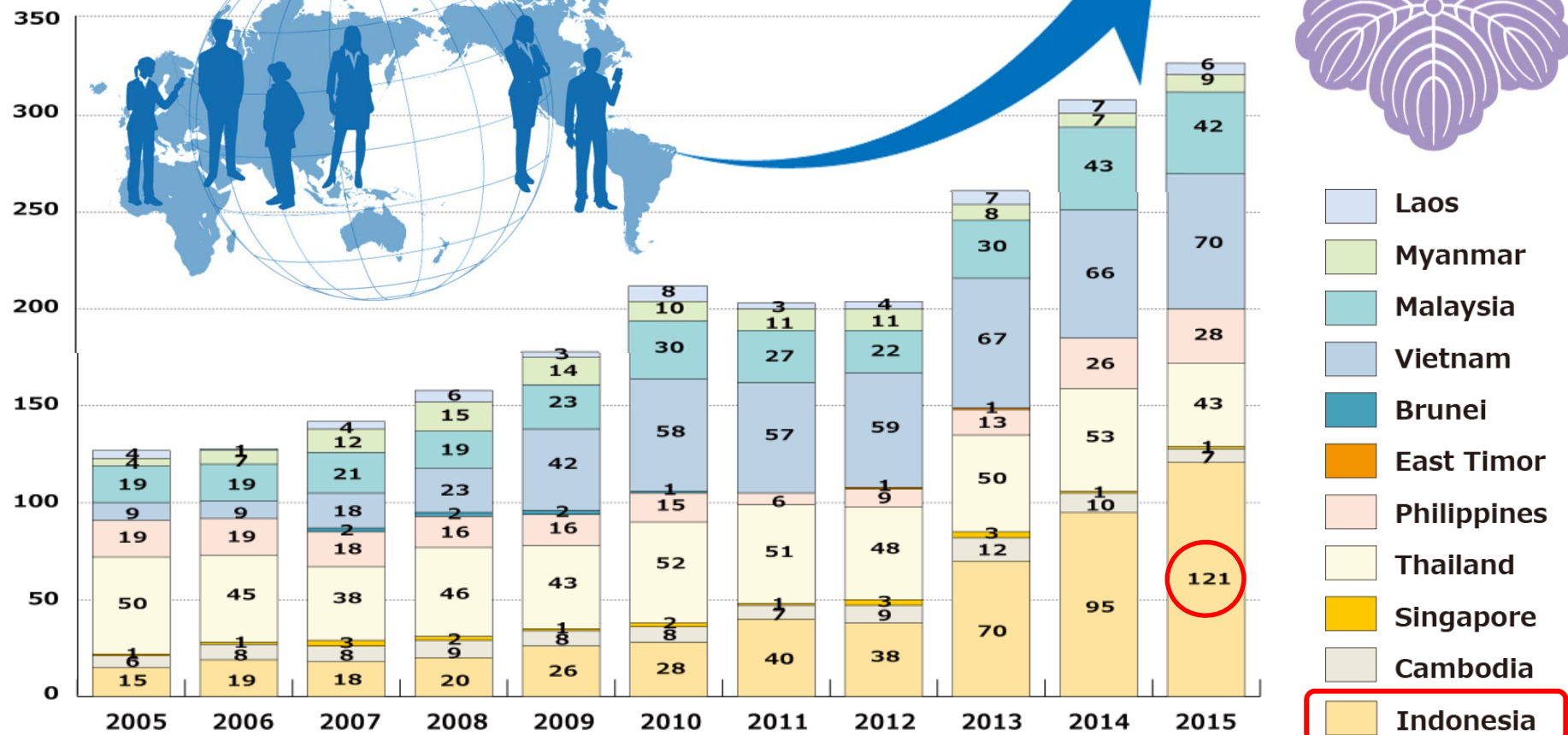


# Number of Students from Southeast Asia

IMAGINE THE FUTURE.

Top 10 Countries (As of Oct. 1, 2015)

1	China	1196	6	Bangladesh	46
2	Korea	171	7	Thailand	43
3	Indonesia	121	8	Brazil	42
4	Taiwan	76	8	Malaysia	42
5	Vietnam	70	8	United States	42



# Partner Universities and Institutes in Indonesia

IMAGINE THE FUTURE.

## Jakarta

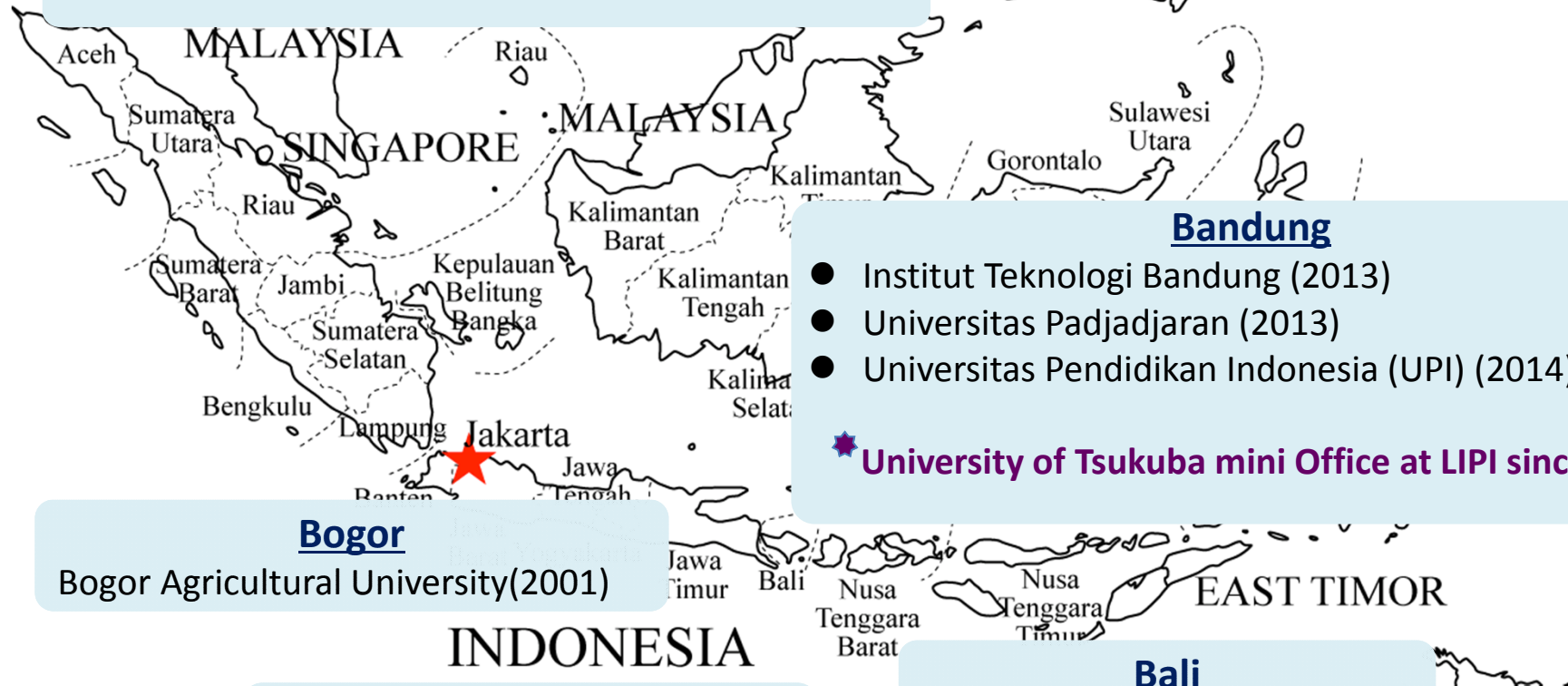
Universitas Indonesia (2014)

★ **University of Tsukuba Indonesia Office  
at Chiba University IEC Office since 2013**



## **Southeast Asia**

SEAMEO Affiliate Member  
(2009)



## Bandung

- Institut Teknologi Bandung (2013)
- Universitas Padjadjaran (2013)
- Universitas Pendidikan Indonesia (UPI) (2014)

★ **University of Tsukuba mini Office at LIPI since 2013**

## Bogor

Bogor Agricultural University(2001)

## Yogyakarta

Universitas Gadjah Mada (2013)

## Bali

Universitas Udayana (2013)

# Terima Kasih