



# INSTITUT TEKNOLOGI BANDUNG

University Secretary

---



# INDONESIA

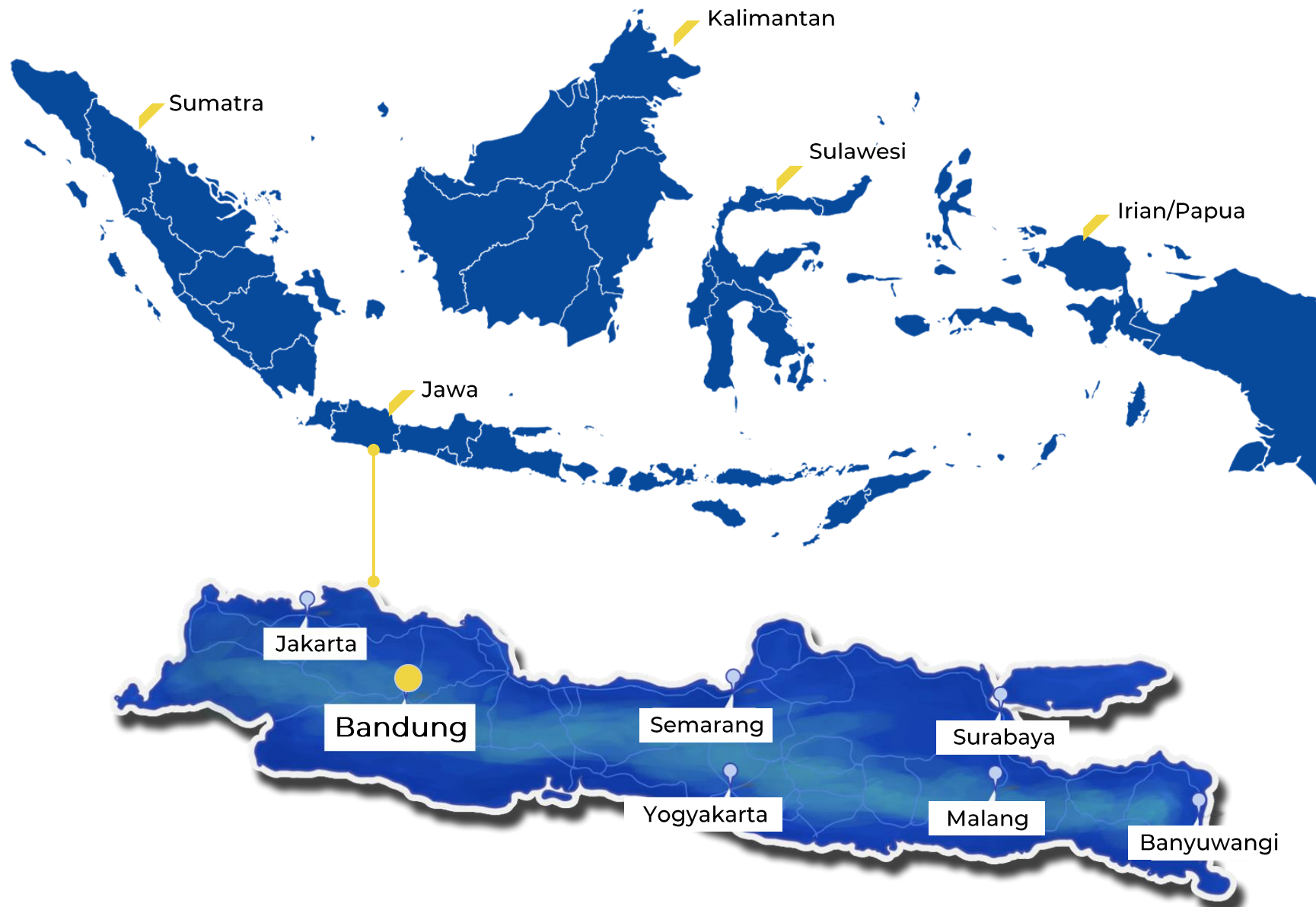
37 Provinces

Capital City: Jakarta, West  
Java Province

275 Million Population

BPS, 2022

WHERE ARE  
WE LOCATED?





## ITB Campuses



ITB **Ganesha Campus**  
(29 hectares)



ITB **Jatinangor Campus**  
(40 hectares)



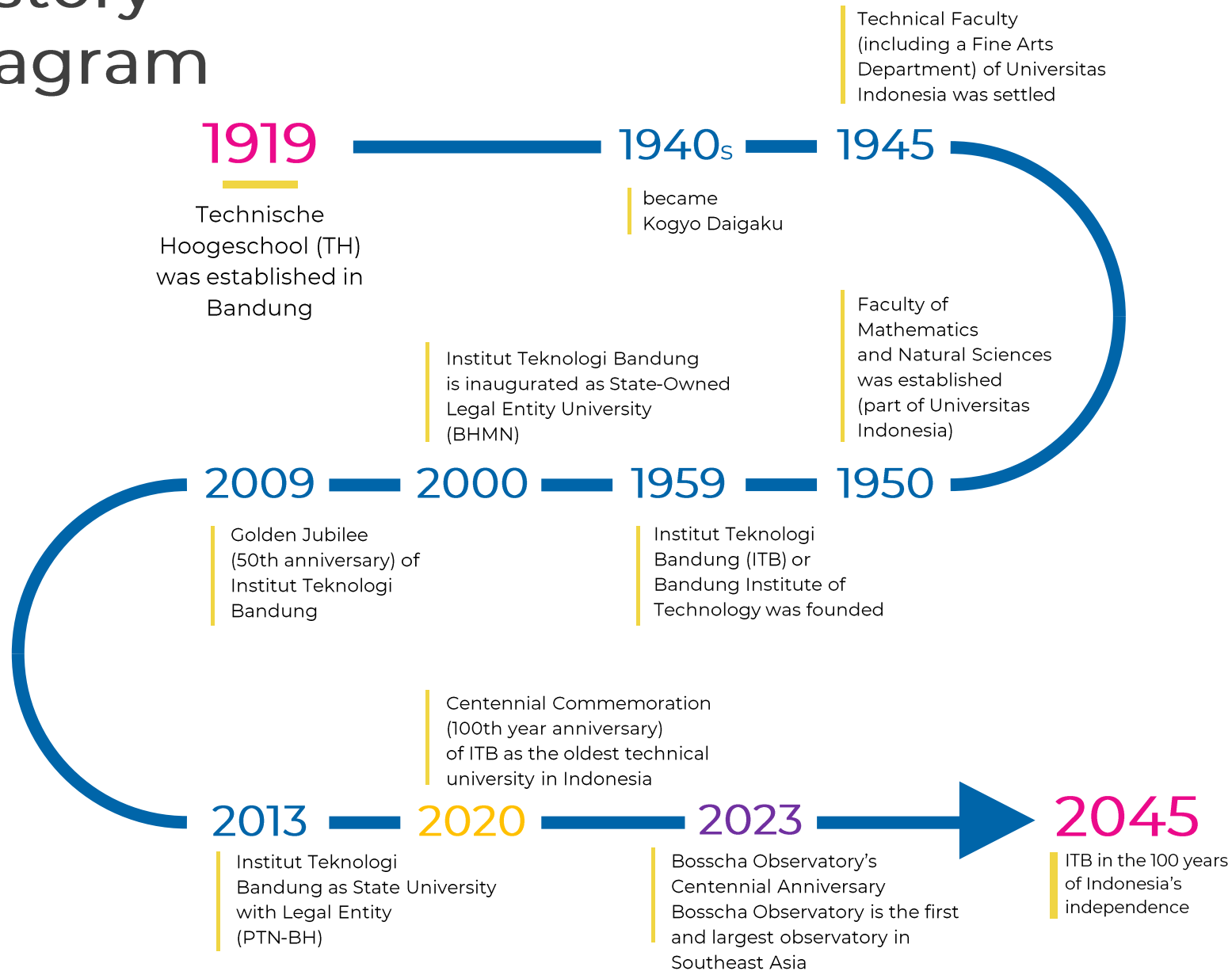
ITB **Cirebon Campus** (70  
hectares, in construction)



ITB **Jakarta Campus**  
(Indorama, 10<sup>th</sup> and 11<sup>th</sup>  
floor)



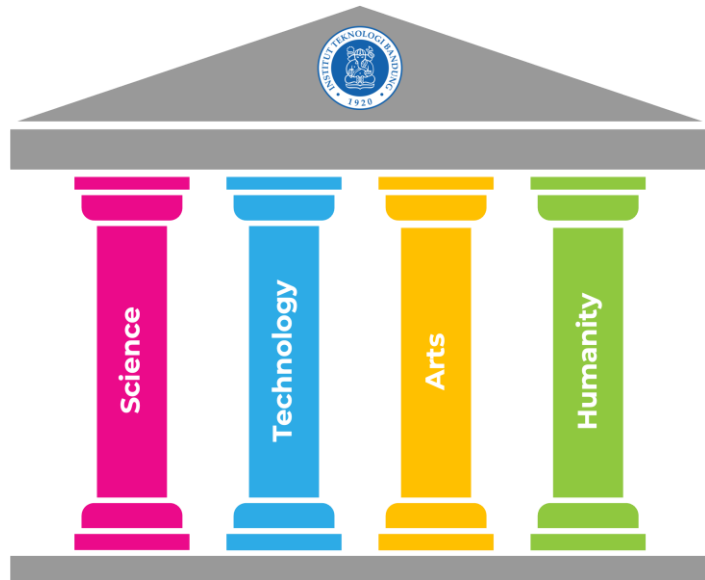
# History Diagram







# ITB's Four Pillars



12 Schools/Faculties +  
1 Graduate School



134 Study Programs



114 Research Groups

1. School of Architecture, Planning and Policy Development
2. School of Business and Management
3. School of Electrical Engineering and Informatics
4. School of Life Sciences and Technology
5. School of Pharmacy
6. Faculty of Arts and Design
7. Faculty of Civil and Environmental Engineering
8. Faculty of Earth Sciences and Technology
9. Faculty of Industrial Technology
10. Faculty of Mathematics and Natural Sciences
11. Faculty of Mechanical and Aerospace Engineering
12. Faculty of Mining and Petroleum Engineering
13. Graduate School



6

International  
Undergraduate  
Programs  
(2023)

---

19

International  
Track  
Programs  
(2023)

---

55

International  
Master's  
Programs  
(2023)

---

28

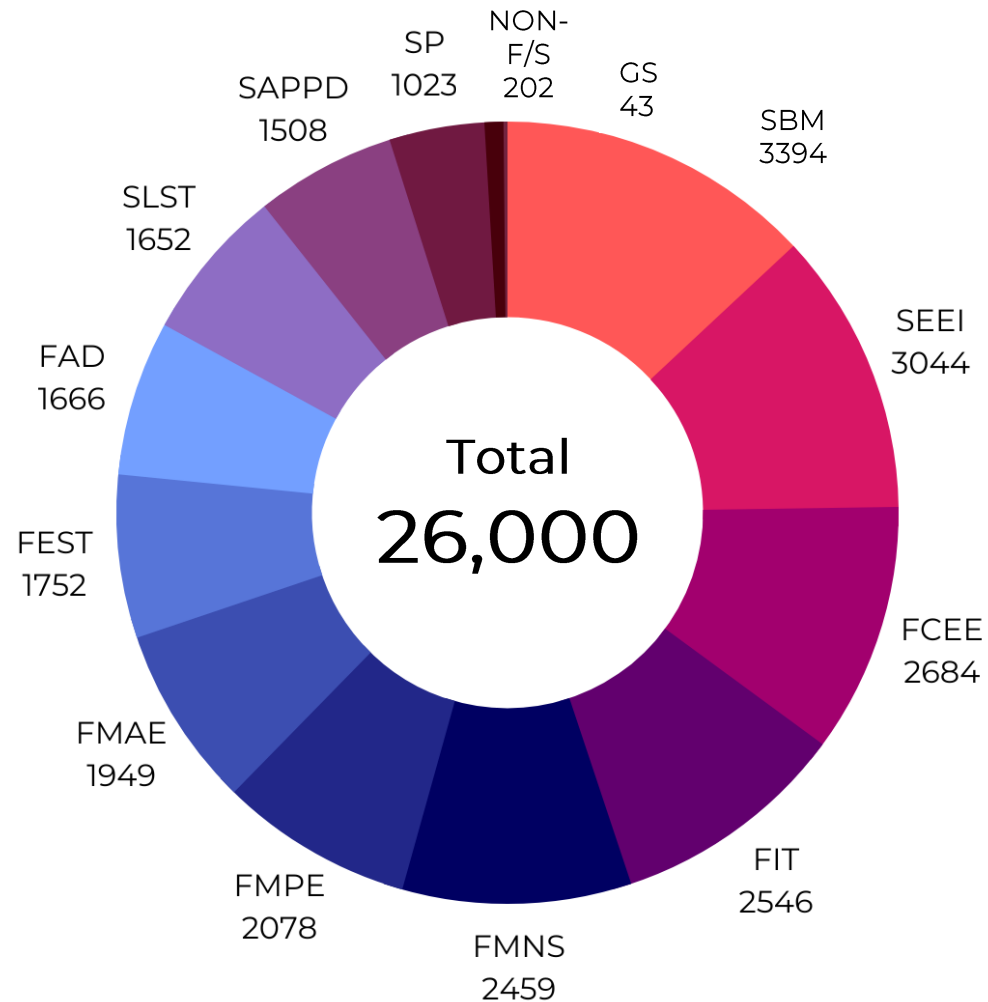
International  
Doctor's  
Programs  
(2023)

---



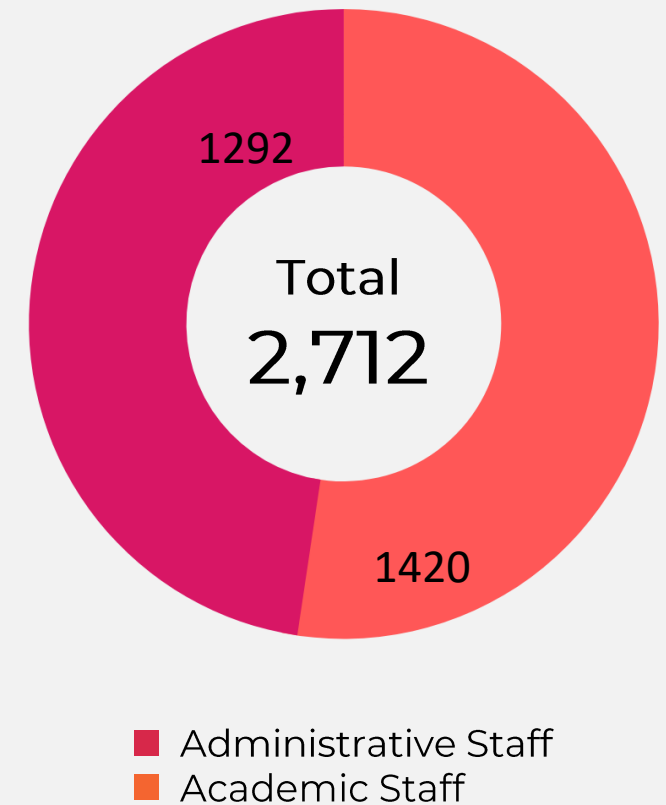
# Number of Students

(in 2023)



# Number of Staff

(in 2023)





# LPIK ITB

Lembaga Pengembangan Inovasi dan Kewirausahaan ITB

Institute for Innovation and Entrepreneurship Development



## Modultrax

Bismo Jelantik Joyodiharjo, S.Sn., M.Ds.



MODULTRAXTM (Modular Utility Transport – Exo Terrain) is mobility platform based on MPS (Mimicry, Process, System) for Farming.



## 3D Surface-Borehole Tomografi Induced Polarization & Resistivity and Magnetotelurik

Prof. Dr. Eng. R. Bagus Endar Bachtiar Nurhandoko



# LPIIT

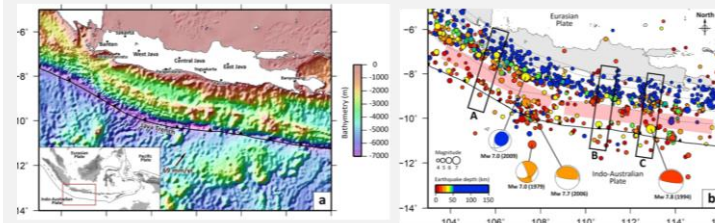
LEMBAGA PENGEMBANGAN ILMU & TEKNOLOGI  
INSTITUT TEKNOLOGI BANDUNG

Institute for Science and Technology Development



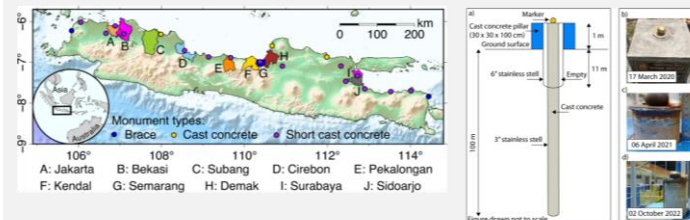
## Territory and Disasters

Implications for megathrust earthquakes and tsunamis from seismic gaps south of Java Indonesia



The results **support** recent calls for a strengthening of the existing Indonesian Tsunami Early Warning System (InaTEWS), especially in Java, the most densely populated island in Indonesia

Global Navigation Satellite System (GNSS) subsidence observations along the northern coastline of Java, Indonesia



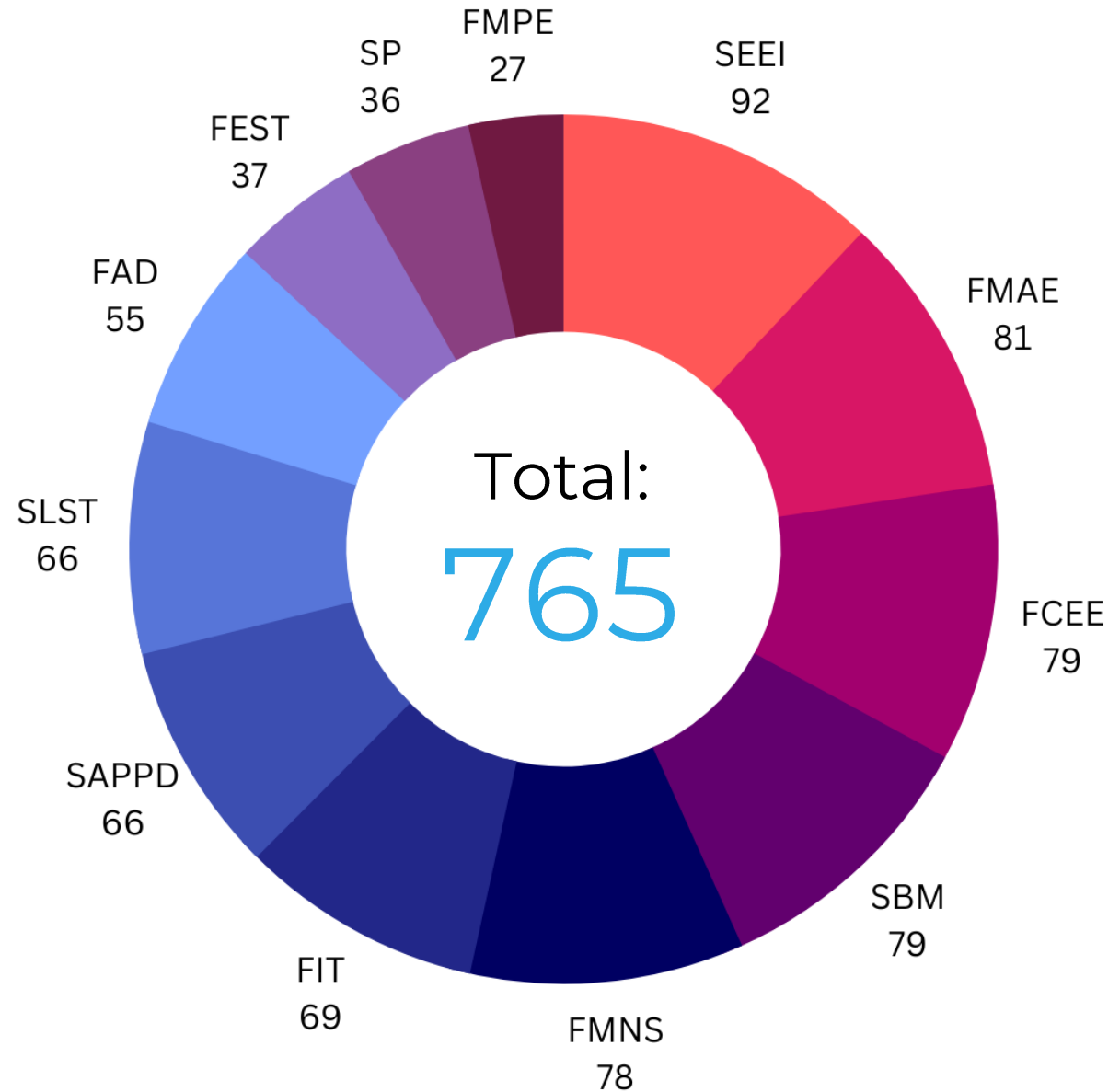
Institute for Research and Community Service



**Tsunami Modelling for Predicting Megathrust Earthquakes on South of Java**

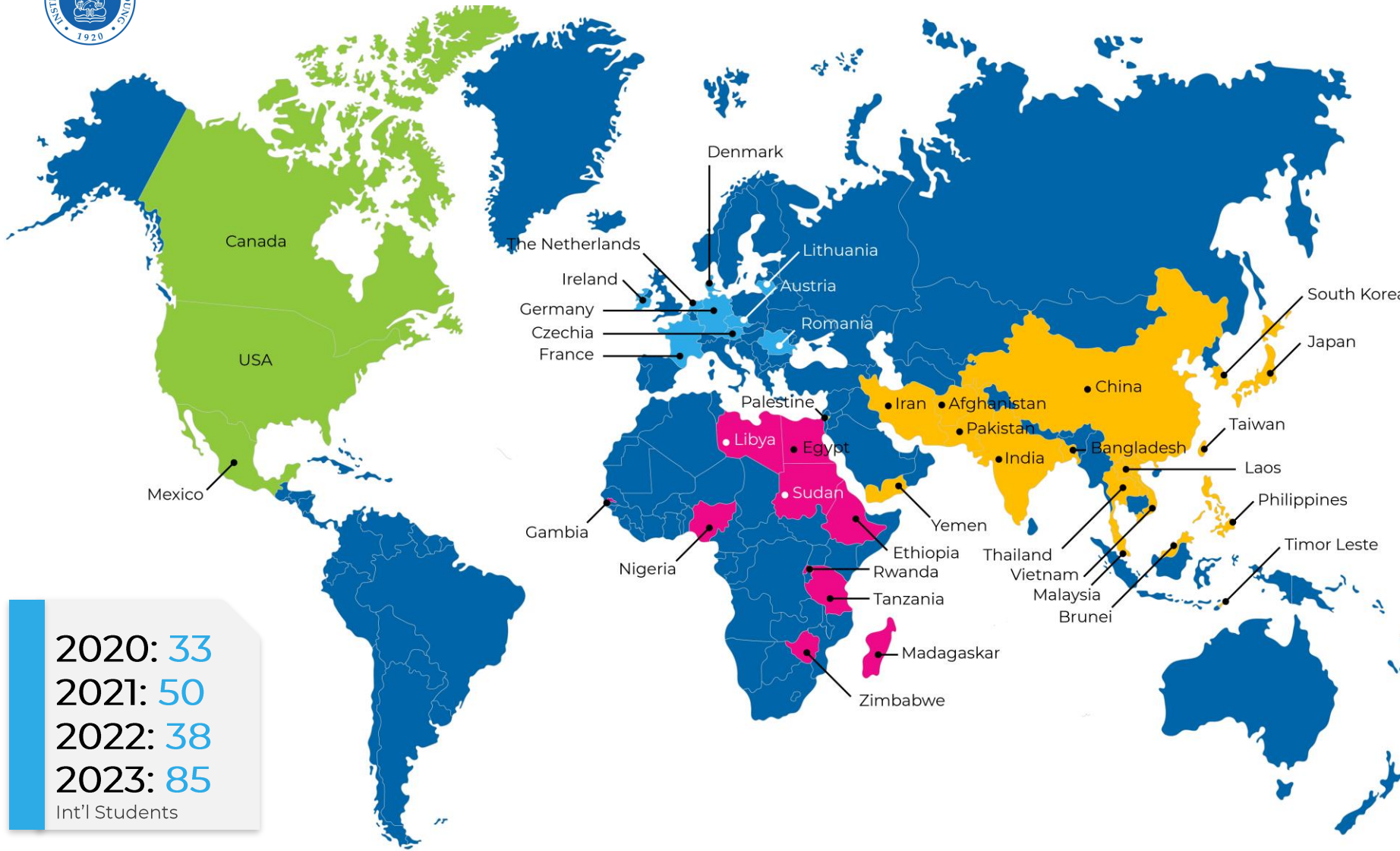


## Number of International Academic Partners in 2023



Source:  
International Relations Office, May 2023



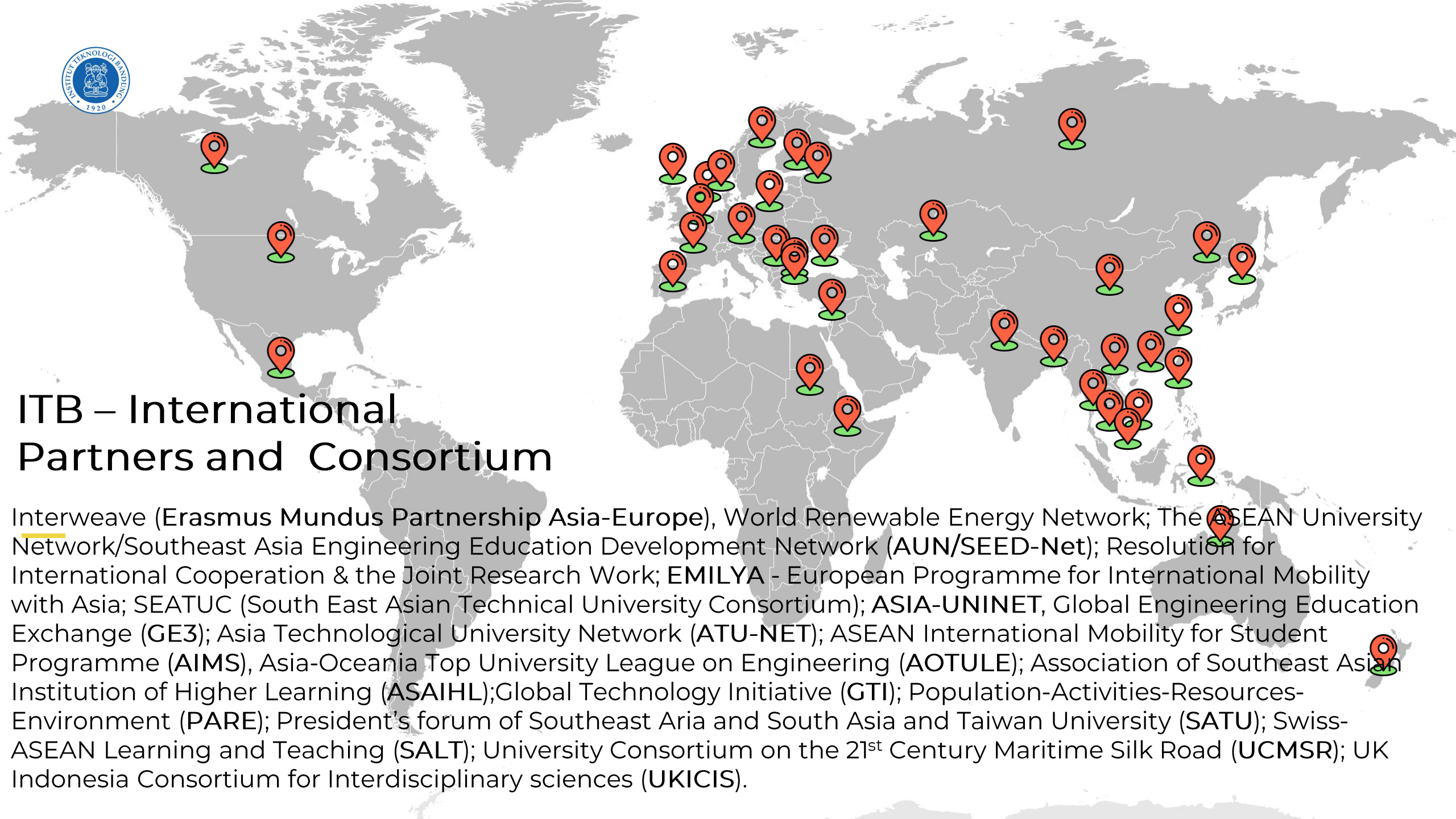


2020: 33  
2021: 50  
2022: 38  
2023: 85  
Int'l Students

## International Students (0.33%)

### Origin Countries :

- **Africa** (Ethiopia, Gambia, Libya, Madagascar, Egypt, Nigeria, Rwanda, Sudan, Tanzania, Zimbabwe, Algeria)
- **Central and South Asia** (Iran, Palestine, Yemen, Pakistan, Afghanistan, Bangladesh, India)
- **East and Southeast Asia** (Malaysia, Timor Leste, Vietnam, Brunei Darussalam, Philippines, Laos, Thailand, China, Japan, South Korea, Taiwan, Singapore)
- **Europe** (Austria, Netherland, Czech Republic, Denmark, Ireland, Germany, Lithuania, France, Romania, Spain, Sweden, Switzerland, Russia)
- **(North) America** (United States, Canada, Mexico)



## ITB – International Partners and Consortium

Interweave (Erasmus Mundus Partnership Asia-Europe), World Renewable Energy Network; The ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net); Resolution for International Cooperation & the Joint Research Work; EMILYA - European Programme for International Mobility with Asia; SEATUC (South East Asian Technical University Consortium); ASIA-UNINET, Global Engineering Education Exchange (GE3); Asia Technological University Network (ATU-NET); ASEAN International Mobility for Student Programme (AIMS), Asia-Oceania Top University League on Engineering (AOTULE); Association of Southeast Asian Institution of Higher Learning (ASAIHL); Global Technology Initiative (GTI); Population-Activities-Resources-Environment (PARE); President's forum of Southeast Asia and South Asia and Taiwan University (SATU); Swiss-ASEAN Learning and Teaching (SALT); University Consortium on the 21<sup>st</sup> Century Maritime Silk Road (UCMSR); UK Indonesia Consortium for Interdisciplinary sciences (UKICIS).





# Potential Collaboration



International Students Outing



Research Collaboration



Double Degree



Other types of collaboration (e.g. co-supervision, visiting professors)



Faculty and student Exchange



# Potential Collaboration

Interdisciplinary Collaboration



ITB and Universitas Padjajaran established collaboration in the field of education and health technology development





## ITB INTERNATIONAL INBOUND SHORT-TERM EXCHANGE PROGRAM

Science, Technology, and Art in Local  
Uniqueness of Indonesia:

**Exploring Challenges and Advances with ITB**

## STUDENT EXCHANGE WITH ADDED VALUE

- ITB is one of the best universities in Indonesia and Asia **with strong academic reputation and research atmosphere.**
- ITB globally recognized in the fields **of natural and human sciences, engineering, art and design, and business and management.**
- ITB's motto is **"Globally Respected, Locally Relevant"**.
- ITB organizes an international inbound semester exchange program: academics programs + cultures and geographies of Indonesia.



## Potential Collaboration International Virtual Courses



## Short-term Programs:

- Placemaking and Social Experiment (Bachelor/Master, 6 months/Summer School 2 weeks online/2 weeks offline)
- Industrial Visits from Faculty of Mechanical and Aerospace Engineering (Bachelor/Master, 1 day-1 week)
- Developing Electricity & Telecommunication Infrastructure
- Engineering Intervention for Foster Villages – Community Development (Bachelor, 1-2 months)
- Social Entrepreneurship: sustainable Business in Indonesia (Bachelor, 2-3 weeks)
- Doing Business in Indonesia: Exploring Creative Industries (Bachelor/Master, 2-3 weeks)

## Course Packages:

- Indonesian Visual Culture (Bachelor)
- Advances in Medical Biotechnology (Advanced Bachelor)
- Sustainable Aquaculture and Tropical Agriculture (Advanced Bachelor)
- Modern and Herbal Medicine: Indonesian Perspectives (Advanced Bachelor)
- Developing Electricity & Telecommunication Infrastructure in Rural Areas (Bachelor/Master)
- Ecological Design (Bachelor/Master)
- Tropical Green and Sustainable Architecture of Indonesia (Master)
- Sustainable Infrastructure (Advanced Bachelor/Master)
- Planning and Designing Cities in the Global South (Final Year Bachelor)
- Sensors Technology for Industry 4.0 (Advanced Bachelor)



# UNIQUE COURSE PACKAGE

## Short-term Programs

Placemaking and Social Experiment  
(Bachelor/Master, 6 months/Summer  
School 2 weeks online and 2 weeks offline)

Developing Electricity &  
Telecommunication Infrastructure

Industrial Visits from Faculty of  
Mechanical and Aerospace Engineering  
(Bachelor/Master, 1 day-1week)

Engineering Intervention for Foster  
Villages - Community Development  
(Bachelor, 1-2 months)

Social Entrepreneurship: Sustainable  
Business in Indonesia  
(Bachelor, 2-3 weeks)

Doing Business in Indonesia: Exploring  
Creative Industries  
(Bachelor/Master, 2-3 weeks)

\*For those interested in taking a fixed set of courses on a specific theme



# List of Partnerships ITB - University of Tsukuba

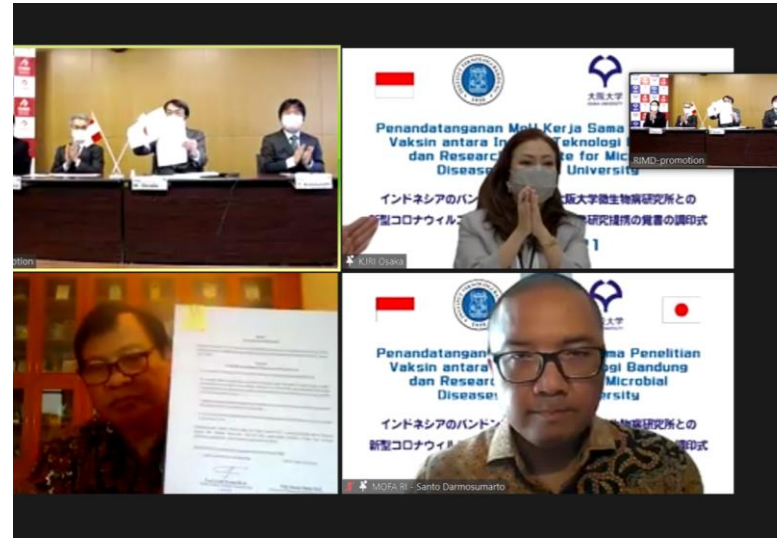
Years	Institution	Country	Scope	PIC of ITB
2022	University of Tsukuba	Japan	Visiting Professor	FSRD (Faculty of Arts and Design)
2022-2026	East China Normal University - Institut Teknologi Bandung - Khon Kaen University - Korea National University of Education - University of Tsukuba	China, Indonesia, Thailand, South Korea, Japan	CAMPUS Asia Program (Student Exchange) - MoU	Prof. Brian Yulianto (Faculty of Industrial Technology)
Recent	University of Tsukuba	Japan	Professor Exchange, Students Exchange, and Joint Workshop	Prof. Brian Yulianto (Faculty of Industrial Technology)





# Collaboration ITB - Osaka University 2021 to 2023

- **International Symposium in Biotechnology (ISBIO) 2023**
- **Graduate School ITB Visit in February 2023**
- **Partnership in Covid-19 research and development with Research Institute for Microbial Diseases (RMID) in 2021**





# Collaboration ITB – Osaka University 2015 to 2019

- School of Life Sciences and Technology **Teleconference Biotechnology Lecture Series** in 2019.
- Faculty of Mathematics and Natural Sciences Joint Workshop in 2019
- School of Life Sciences and Technology **Join Campus in Nanotechnology and Biotechnology** in 2017.
- Faculty of Mathematics and Natural Sciences Double Degree Program in 2015.



T WORKSHOP: INTRODUCTION TO GRADUATE PROGRAMS OF PHYSICS  
' AND THE FUTURE EXCHANGE PROGRAM WITH ITB (DAY 1)

## The Emergence of Synthetic Biology

Assoc. Prof. Dr. Kohsuke Honda  
Department of Biotechnology, Osaka University, Japan



FREE AND OPEN FOR PUBLIC  
Thursday, November 21, 2019 / 11.00 - 12.30  
Ruang Sidang, 2nd Floor, Labtek XI  
School of Life Sciences and Technology (SITH), ITB  
Jl. Ganesha No. 10 Bandung



Online Registration | [http://bit.ly/BiotechnologyLecture2019\\_5](http://bit.ly/BiotechnologyLecture2019_5)  
Confirmation | Maya (08151551556, fry.maya@gmail.com)



SCHOOL OF LIFE SCIENCES AND TECHNOLOGY  
INSTITUT TEKNOLOGI BANDUNG



KERJASAMA PROGRAM DOUBLE-DEGREE ANTARA FMIPA-ITB DENGAN GRADUATE SCHOOL OF  
SCIENCE OSAKA UNIVERSITY JEPANG

Posted: March 2, 2017 By: Fennyandri Dwi Nurwati Category: Unpublished





# List of Partnerships ITB-Osaka University

Years	Institution	Scope	PIC of ITB
2011-2017	Osaka University	Collaborative research, lectures, symposiums, etc., and exchange of researchers; Exchange of information and materials in those fields which are of interest to both parties; Exchange of undergraduate and graduate students. - MoU	Prof. Tati Latifah Erawati Rajab (SEEI)
2017-2022	Osaka University	The Agreement on Academic Exchange - MoU	Prof. Hermawan K. Dipoyono (FIT)
2017-2018	Osaka University	Agreement Pertaining to Cross-Appointment - MoA	Dr. Fenny Martha Dwivany (SLST)
2018	Osaka University	Agreement Pertaining to Cross-Appointment - MoA	Dr. Fenny Martha Dwivany (SLST)
2018-2022	Osaka University	Addendum for Joint Campus to the Agreement on Academic Exchange - MoA	Prof. Nyoman Aryantha (SLST)
2020-2022	Osaka University	Addendum to the Student Exchange Agreement for Osaka University - MoA International Certificate Program (OUICP)	Dr. Wahyu Srigutomo (FMNS)
2021-2026	Osaka University	Research and Academic Cooperation - MoU	Prof. Supriyadi (GS)
2021-2026	Osaka University	Student Exchange - MoA	Prof. Supriyadi (GS)
2022-2027	Graduate School of Engineering/International Center for Biotechnology	Academic Exchange - MoU	Prof. Supriyadi (GS)
2022-2027	Graduate School of Engineering/International Center for Biotechnology	Student Exchange - MoA	Prof. Supriyadi (GS)
2023-2028	Osaka University	Addendum to the Student Exchange Agreement for Osaka University International Certificate Program (OUICP) - MoA	Prof. Supriyadi (GS)

**Note: (On going cooperation between School of Life Sciences and Technology ITB – Osaka University)**

1. Double Degree Program, Graduate School of Engineering. Osaka University with Biotechnology Study Program
2. Research Collaboration, Prof Eiichiro FUKUSAKI and Prof Pingkan Aditiawati & Team : Joint Publication, Joint Symposium, Honorary Professor (Prof Eiichiro FUKUSAKI) dan Adjunct Professor (Assoc. Prof Sastia Prama Putri).
3. Research Collaboration, Prof Yoshiharu Matsuura (RIMD) and Prof Marselina Irasonia Tan.



# Collaboration ITB– Kyoto University 2021 to 2022

**SITH-ITB**  
VISITING PROFESSOR PROGRAM:  
**MACHINE LEARNING  
APPLICATION FOR  
AGRICULTURE**

Introduction and Sharing Session,  
09 October 2021  
International Guest Lecture,  
27 October 2021  
International Webinar,  
30 October 2021  
Research Collaboration Discussion Session,  
02 November 2021

No Admission Fee  
More Information:  
[www.sith.itb.ac.id](http://www.sith.itb.ac.id)

**Dr. Juro Miyasaka**  
Graduate School of Agriculture Kyoto University

AGROTEKNOLOGI & TEKNOLOGI BIOPRODUK @sithitb @sithitb www.sith.itb.ac.id School of Life Sciences and Technology

- School of Life Sciences and Technology, Agrotechnology and Bioproduct Technology Research Group, launches **Virtual Visiting Professor Program 2021**

- Kick Off Meeting Program **Science and Technology Research Partnership for Sustainable Development (SATREPS)** in 2022



**KICK-OFF MEETING SATREPS**  
**BUILDING SUSTAINABLE SYSTEM FOR RESILIENCE AND INNOVATION**  
**IN COASTAL COMMUNITY (BRICC)**  
13<sup>th</sup> SEPTEMBER 2022





# Collaboration ITB – Kyoto University 2017

MoU Signing with SITH (School of  
Life Science and Technology) in 2017



# List of Partnerships ITB-Kyoto University

Years	Institution	Scope	PIC of ITB
2006-2011	Kyoto University	Exchange of scientific materials, publications, and information; Exchange of faculty members; Exchange of students; Joint research and meetings for research - MoU	Bureau of Partnerships
2008	Global Center of Excellence, Kyoto University	GCOE Joint Research and Education Center - MoA	Bureau of Partnerships
2013-2018	Kyoto University	Double Master's Degree Program - MoA	Directorate of Partnership and International Relations
2016-2021	Kyoto University	Student Exchange Agreement - MoA	Dr. Tatacipta Dirgantara (DKHI)
2019-2024	Kyoto University	Double Master's Degree Program - MoA	DKHI
2020-2025	Kyoto University	Student Exchange Agreement - MoA	Andika Putra Pratama, Ph.D (IRO)
2021-2026	Kyoto University	Project SATREP/JICA with Kyoto University disaster center	Dr. Mohammad Farid (FCEE)

**Note: (On going cooperation between School of Life Sciences and Technology ITB – Kyoto University)**

Double Master's Degree Program, The Graduate School of Agriculture, Kyoto University with Master's Degree in Biology or Master's Degree in Biomanagement, School of Life Sciences and Technology ITB



# Bandung, West Java

Population

2.5 million

( 11 million for Greater  
Bandung )



Tea Plantation (Ciwidey), Kawah Putih/White Crater (Lembang), Gedung Sate (Bandung City)



# Thank You!

Stay protected, stay safe,  
stay productive !

*- In harmonia progressio -*

