



# **Mobility For Everyone:** **Balanced and Inclusive Mobility** **in The Digital Era**

The 7th ASEM Education Ministers' Meeting (ASEM ME7)

**Ainun Na'im**  
**SECRETARY GENERAL**

MINISTRY OF RESEARCH, TECHNOLOGY, AND HIGHER EDUCATION OF THE REPUBLIC OF INDONESIA  
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## Opportunities

# INDONESIA

>266 Million

## POPULATION

Demography Bonus

8<sup>th</sup> in the World  
in 2016

## ECONOMY

Pricewaterhouse Coopers  
(PwC), 2017

7<sup>th</sup> in the World  
in 2030

## ECONOMY

McKinsey Global  
Institute, 2012

4<sup>th</sup> in the World  
in 2050

## ECONOMY

Pricewaterhouse Coopers  
(PwC), 2017

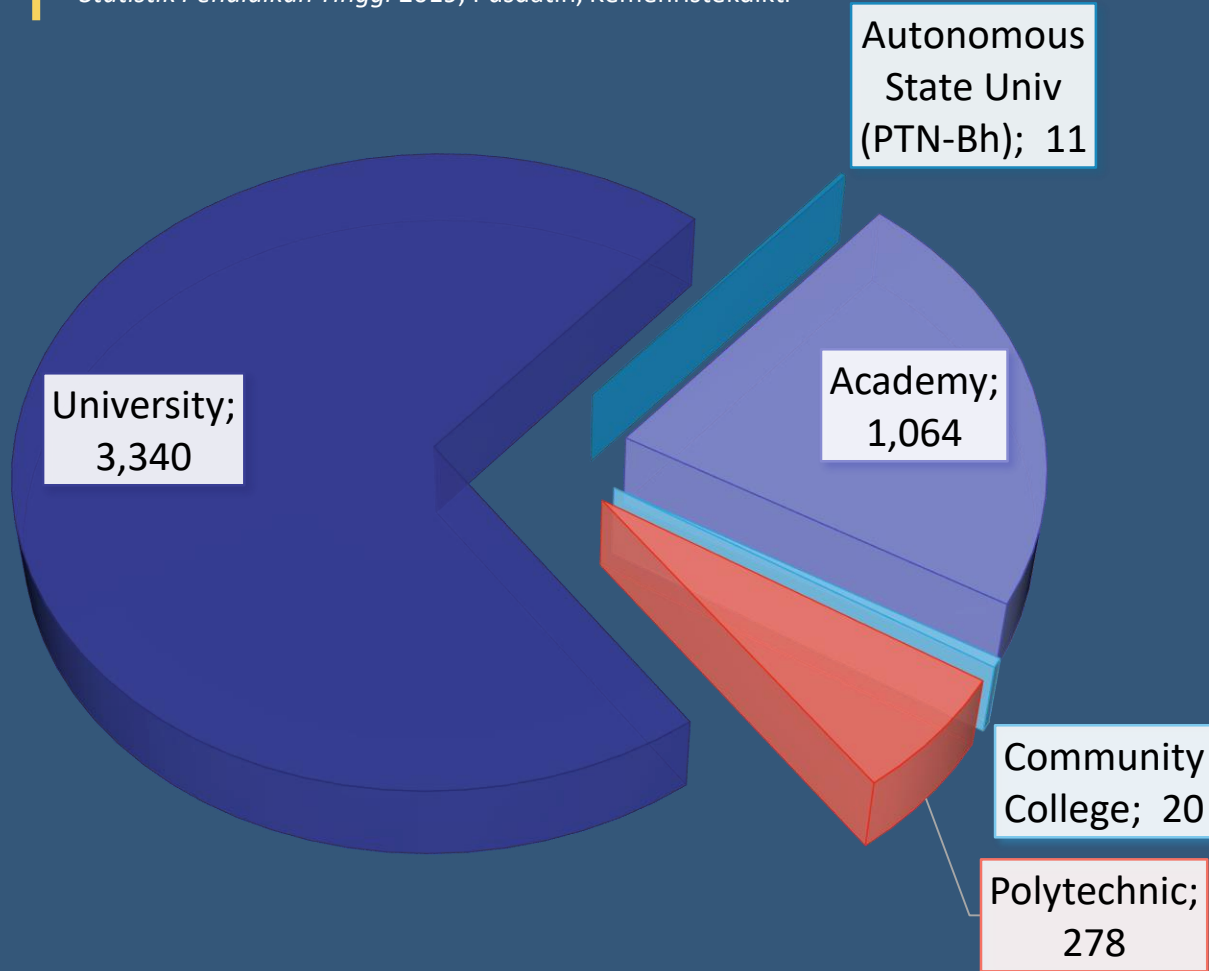
## MORTHE's mission:

To improve access, relevance, and quality of HE to produce quality human resources, and to improve capacity in the area of science, technology and innovation for the nation's competitiveness.



# Indonesia's HIGHER EDUCATION System 2019

Source: FORLAP PDDIKTI, Kemenristekdikti, 2019 and BANPT, 2019 and Statistik Pendidikan Tinggi 2019, Pusdatin, Kemenristekdikti



## MoRTHE's Mission:

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**4,741**

**HEIs**

**±28 THOUSAND**

**STUDY PROGRAMS**

**±8 MILLION**

**STUDENTS**

(Vocational/Polytechnic Students: ~15,1%)

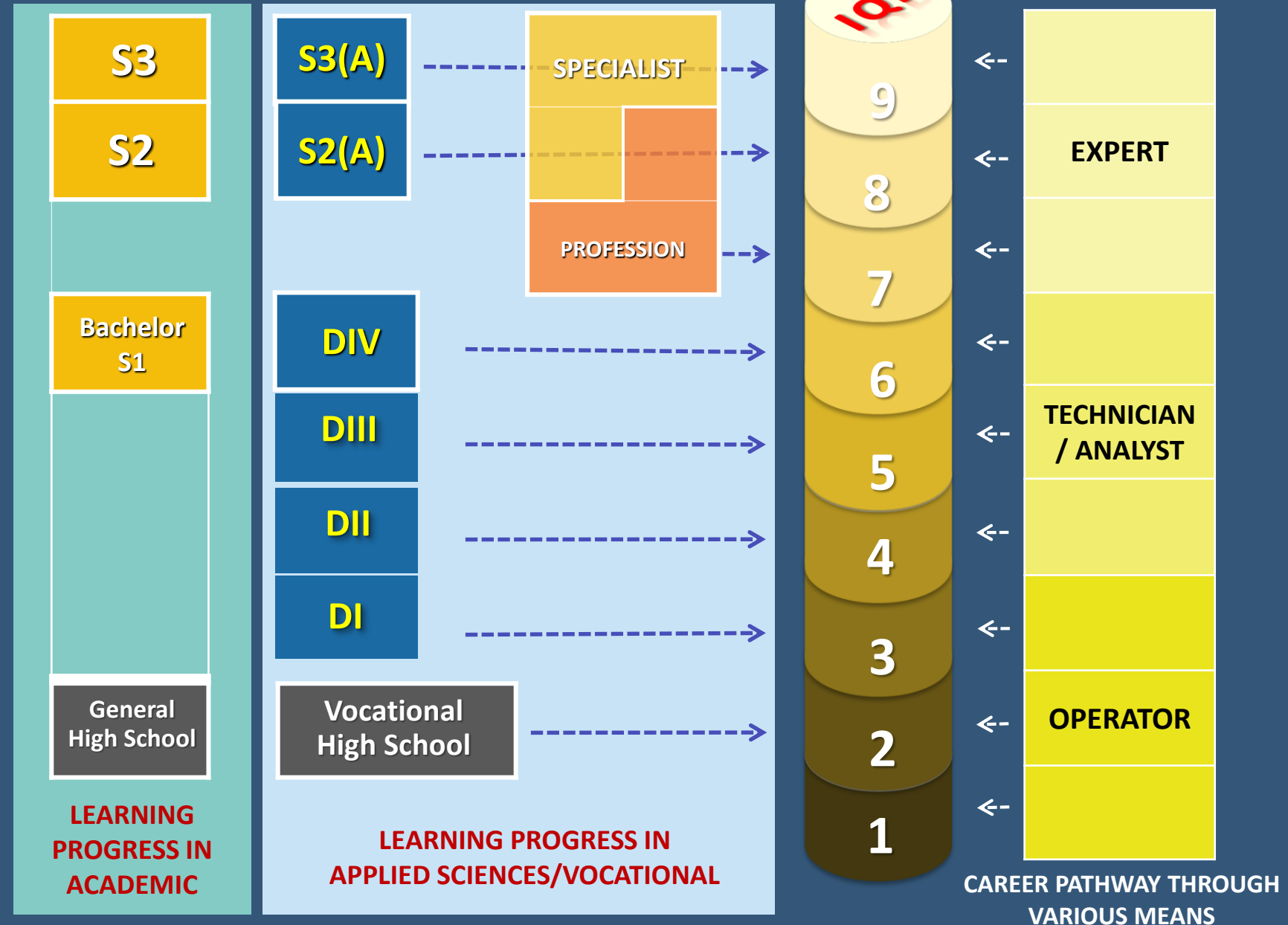
**±297 THOUSAND**

**LECTURERS**

(~146 % PhDs)

# IQF Level Descriptions: Higher Education is Caried Out in One Holistic Program

- IQF qualification consists of nine levels starting from level 1 to level 9 as the highest level.
- Each level has a description of the LO in accordance with their qualifications.
  - The resulting level of qualification through formal education can be compared with the level of expertise in the field of work.





# DARMASISWA

## INDONESIAN SCHOLARSHIP

59

Universities

1 year non-degree program to promote the interest of the youth from other countries in the language, art and culture of Indonesia. Designed to provide stronger link and mutual understanding among people of participating countries.

Since  
1974

This program was established in 1974 as part of ASEAN initiative, admitting only students from ASEAN. However, in 1976 this program was extended further to ASEAN + Canada, France, Germany, Hungary, Japan, Mexico, Netherland, Norway, Poland, Sweden and USA

7852

Alumni

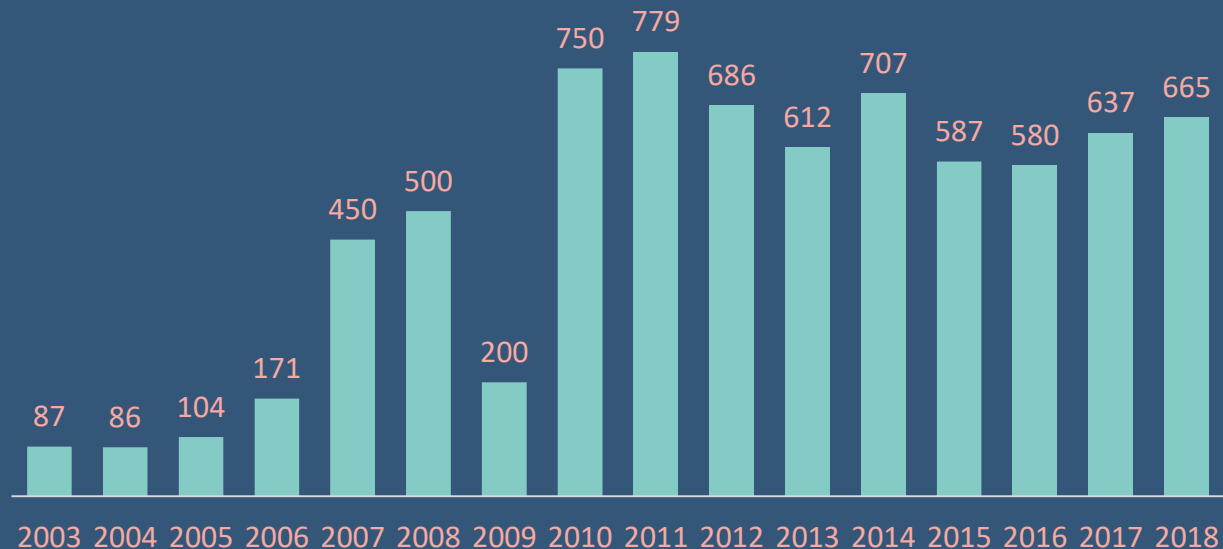
From 1974 - present:  
115 countries,  
7852 alumni

115

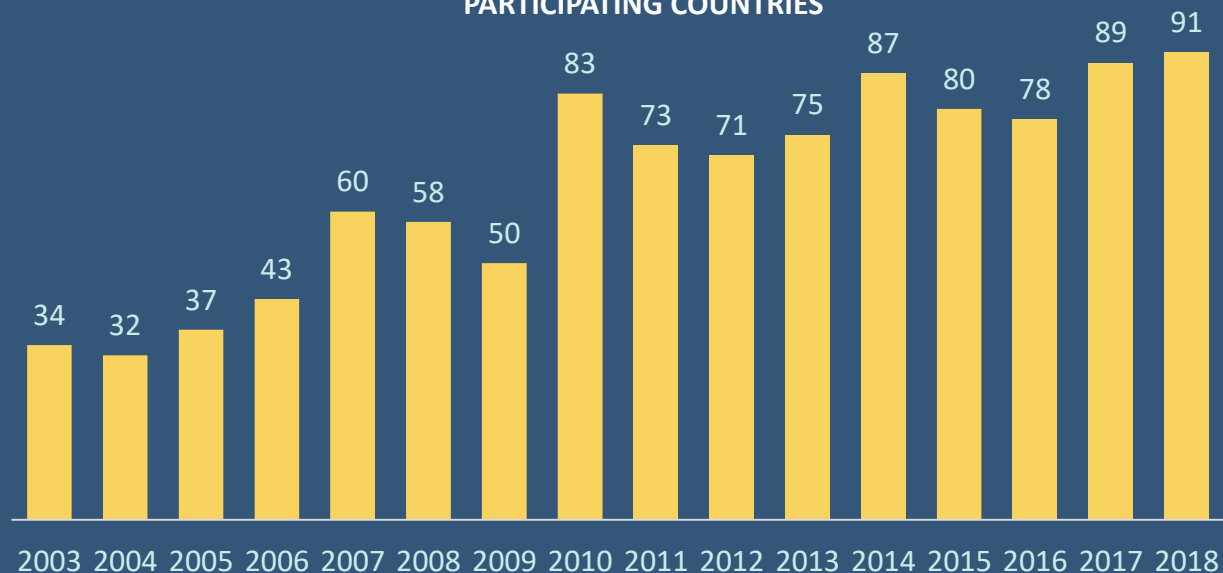
Countries

Coverage:  
**Students Monthly Stipend,  
Orientation Program, Students' Permit**

### STUDENTS AWARDEE OF DARMASISWA SCHOLARSHIP



### PARTICIPATING COUNTRIES



# Challenges of **INDUSTRY 4.0** Disruptive Era

Role of humans to be replaced by machines/robots/AI

**75-375 Million**

OF THE GLOBAL WORKFORCE  
WILL CHANGE PROFESSIONS

(McKinsey, 2017)

**1.8 Million**

JOBS TO BE REPLACED BY  
ARTIFICIAL INTELLIGENCE

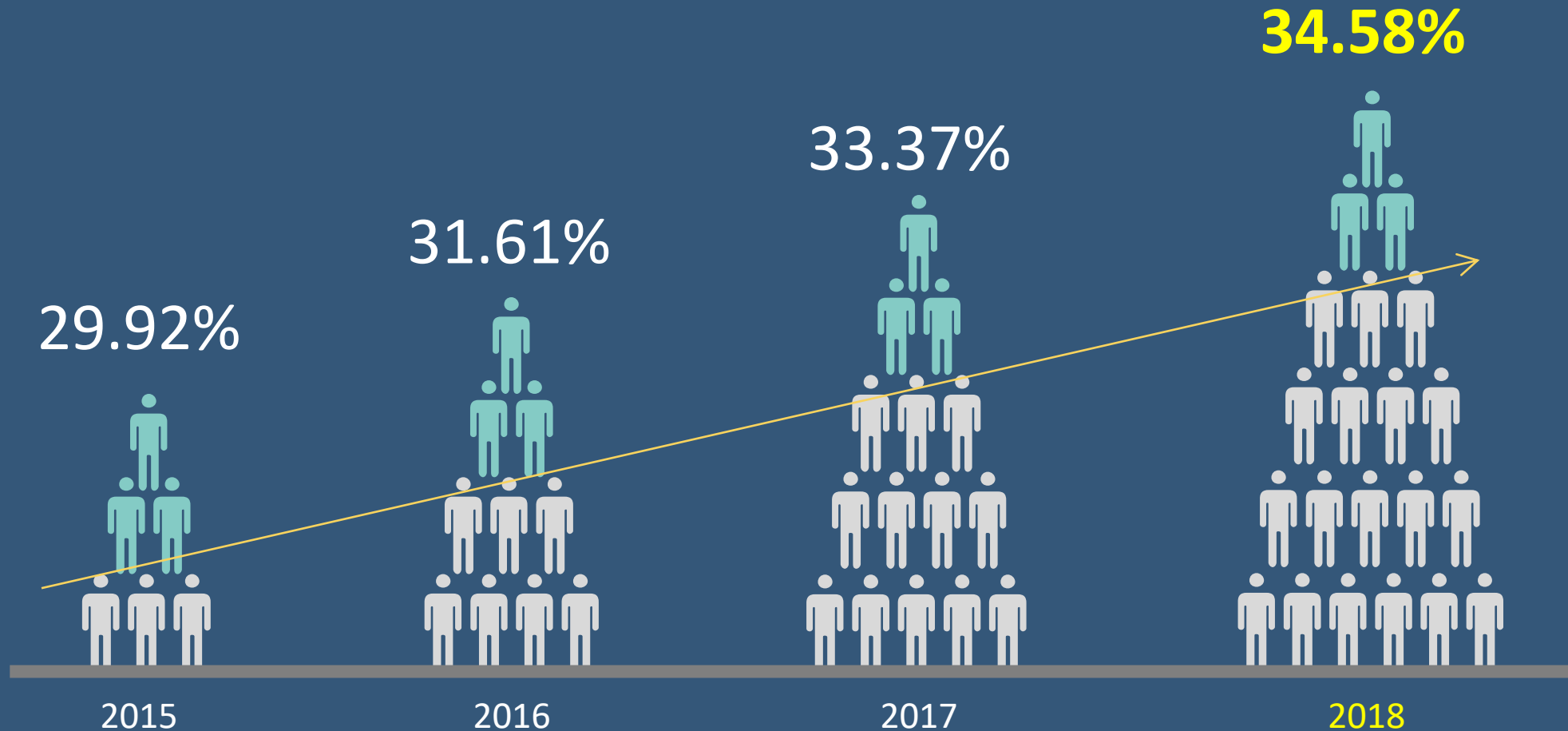
(Gartner, 2017)

Technology will create a range of new professions which do not exist yet.



Transformed Society	Primitive	Agriculture	Industry	Innovation	Smart Society		
Transformed Life Style	Centralized	Physical Segmented	Time Constrained		Distributed	Virtual	Connected across time and space
Transformed Generation	X-Gen	Y-Gen	Z-Gen		Creative, Fast, Collaborative, Crowd Sourcing, Borderless, Connected		
Transformed Higher Education	1 <sup>st</sup> Gen Education	2 <sup>nd</sup> Gen Education	3 <sup>rd</sup> Gen Education		Education + Research & Innovation + Entrepreneur		

# Indonesia Higher Education Gross Enrollment Ratio



Gross Enrollment Ratio (GER) is the ratio of the number of entry-level (D1-D4 & S1) students and total population aged 19 - 23 years old.

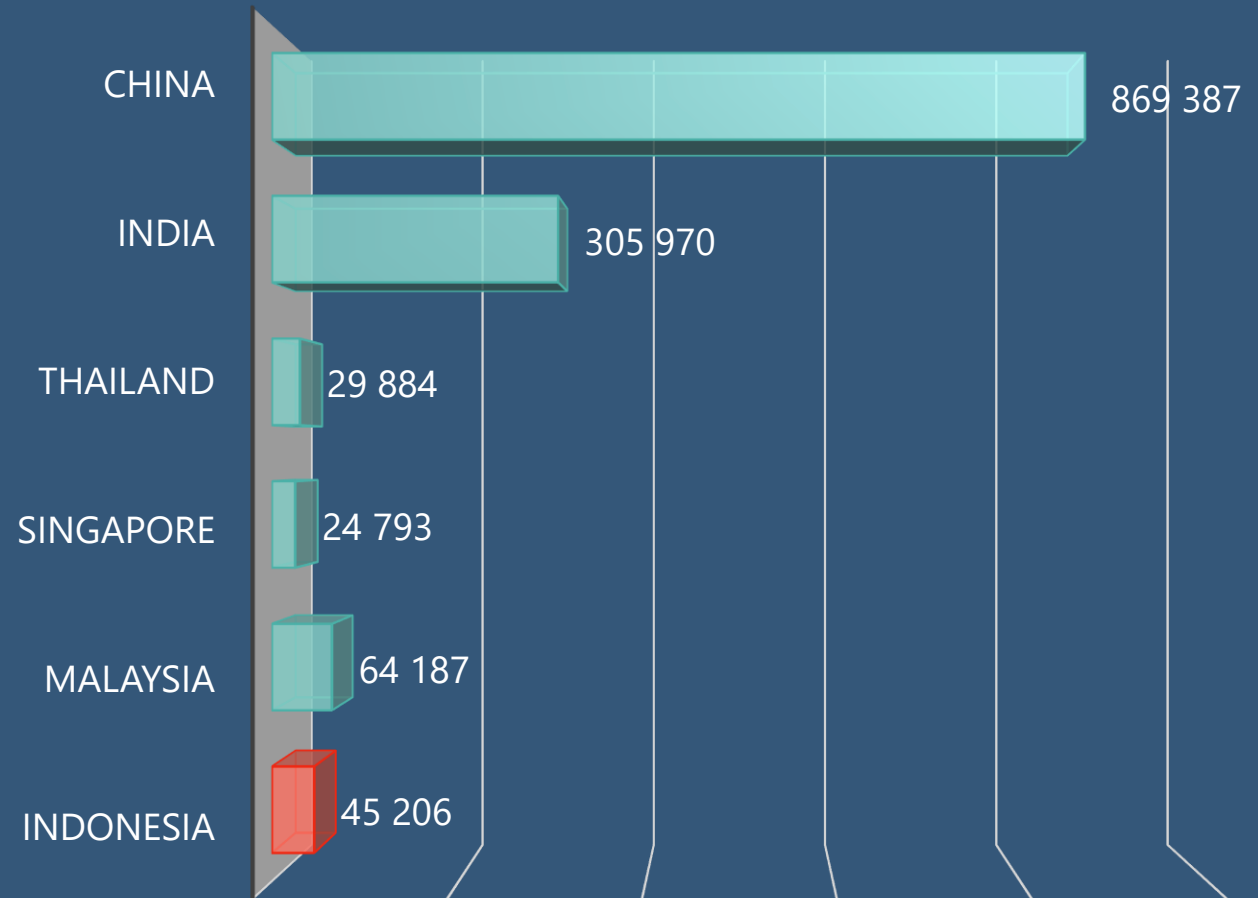
Global Flow

## STUDENT MOBILITY (in Higher Education)

Source: Global Flow of Tertiary-Level Students  
UNESCO, 2018



Total number of students pursuing studies abroad (per country)



Top 5 study destination countries : US, Australia, UK, Canada, Japan.



# Higher Education: **Indonesia HR Development**



Kemenristekdikti plays a role in the **development of competent, skilled, and professional higher education Human Resources** to meet the needs of the community, industry, and country in the 21st century, measured by the following macro indicators:



1. **Employability rate** (proportion of graduates who are immediately able to gain or create employment).



2. The increase of graduates who are able to **compete in both regional and international markets** as they are competent, skilled, and professional (certified).



3. The increase of **HR productivity** which contributes to the increase in value and competitiveness of the nation.

# Internationalization and Connectivity



**National and International Accreditation:** Board of National Accreditation for Higher Education (BAN-PT), JABEE, AACSB, ABET, etc.



**World Class University in top 200-400** (QS World University Ranking 2019): UI, ITB, UGM



**Presence of Foreign Universities** in Indonesia or vice versa

- Branch campus.
- Collaboration with local HEIs.
- Binus Indonesia in Qatar.



**Mobility**

- Student exchange – AIMS, joint program, double degree, collaborative research.
- Mobility without movement – online education.

Education is a social activity; therefore physical interaction is still critically important. The role of digital technology is more on facilitation of processes (pre and post).

## Regulation to Facilitate Mobility

1. **Credit transfer/credit earning.**
2. **Recognition of prior learning.**
3. **Foreign Education** in Indonesia.
4. **Inclusive Education.**
5. **Distance Education:** bridging the gap, reaching the unreachable.
  - a. Online education (fully online – course or institution).
  - b. Blended learning (up to 40% shopping, up to 50% online).
  - c. Distance education (across time and geographical distance).



# MoRTHE's Policy

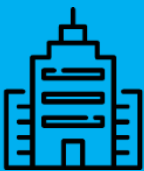
## Implementation of Distance Education for Student Mobility



### Use of Online Learning Technology



- Implementation of online learning systems through SPADA-IdREN.
- ICT (digitalization) for mobility:
  - Mobility in cyber space: virtual and augmented reality.
  - Digital interaction - video and audio conferencing.
  - Telepresence meeting, etc.



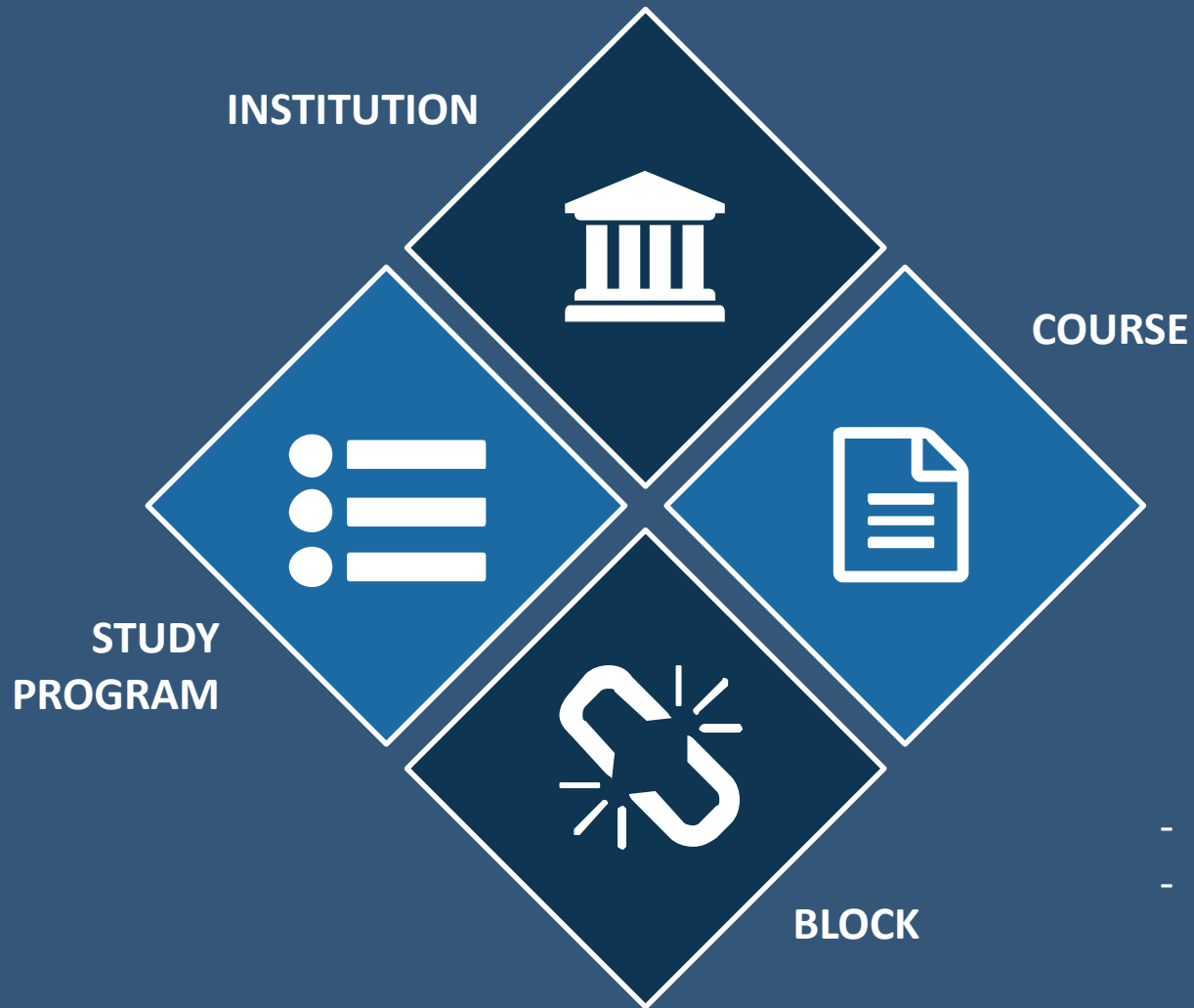
### Cyber Institute



The government has started guidance and quality assurance units of distance education at central level, which functions as a regulator, quality assurance, and a container for courses, distance education study programs, and/or organisers of distance education in Indonesia.

# MoRTHE's Policy

## Quality Assurance – Four Levels



### INDONESIAN CYBER EDUCATION INSTITUTE (ICE INSTITUTE)

- Quality assurance for all online education form in Indonesia
- Gallery (marketplace of online education form in Indonesia)

# Goals of **Student Mobility** (HE)

- **Improve the competitiveness of Indonesian students** at international level in the 21st century.
- Enrich and equip students with the experience of scientific exposure, culture, environment and different systems.
- Prepare and increase student competence in the global/international integration.
- Expand and strengthen cooperation with a network of higher education and community partners.
- Continuous self-development for students.

**Programs:** ASEAN International Mobility for Students (AIMS), Joint Degree/Double Degree, Joint Curriculum, Credit Transfer, Credit Earning, Fast-track, ODL (Online/Blended Learning)

# Credit Transfer Model



## Model A (Multilateral Student Exchanges)

- Multilateral student exchanges
- Tuition and fee waivers
- Special “consideration” for accommodation
- Credit transfer (1 Semester : credit transfer system/ CTS)

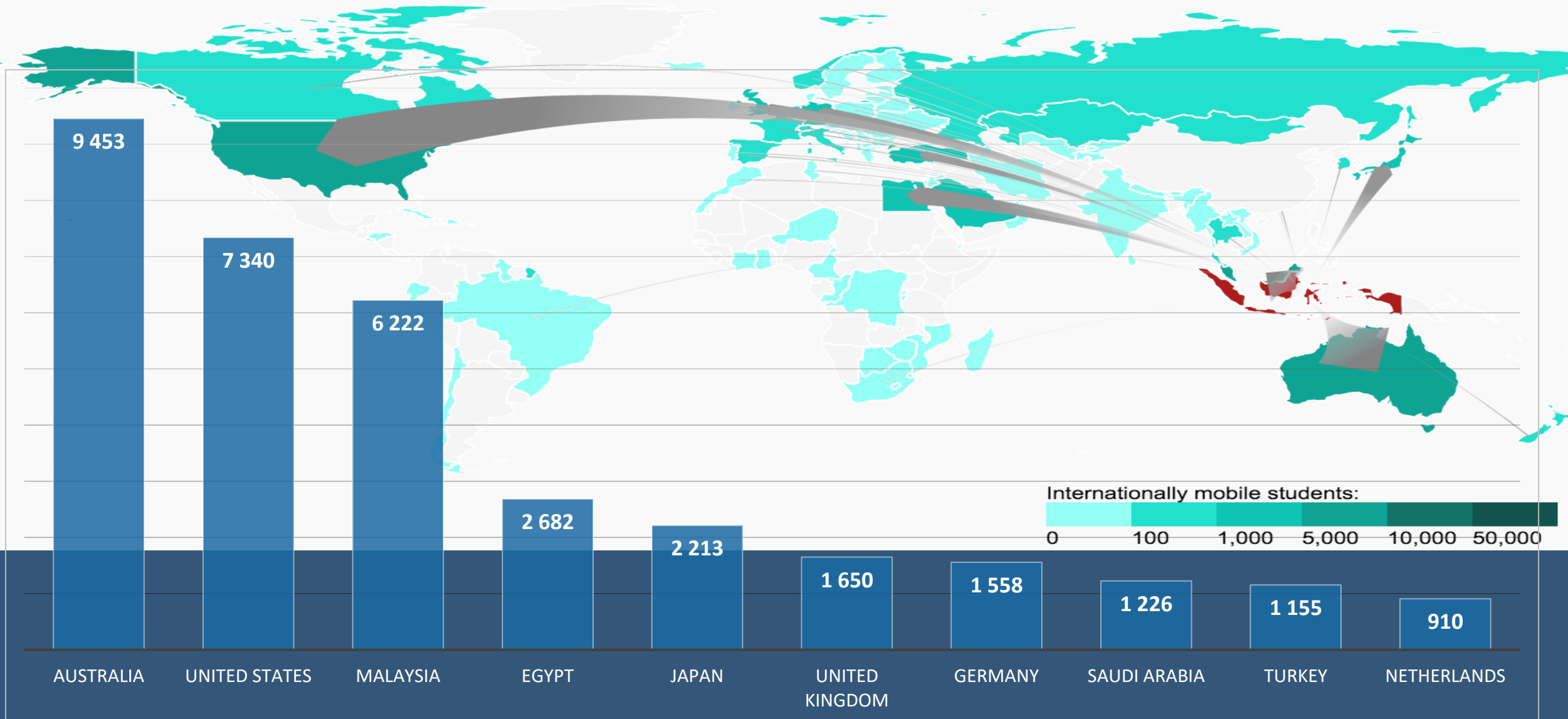
## Model B (Bilateral Exchanges)

- Bilateral exchanges between two institutions
- Tuition & fee waivers depends on MOU.
- CTS for credit transfer

## Model C (Short Programs)

- For short (e.g. summer) programs, especially for culture, language, and area studies
- No restriction regarding tuition fee and credit transfer

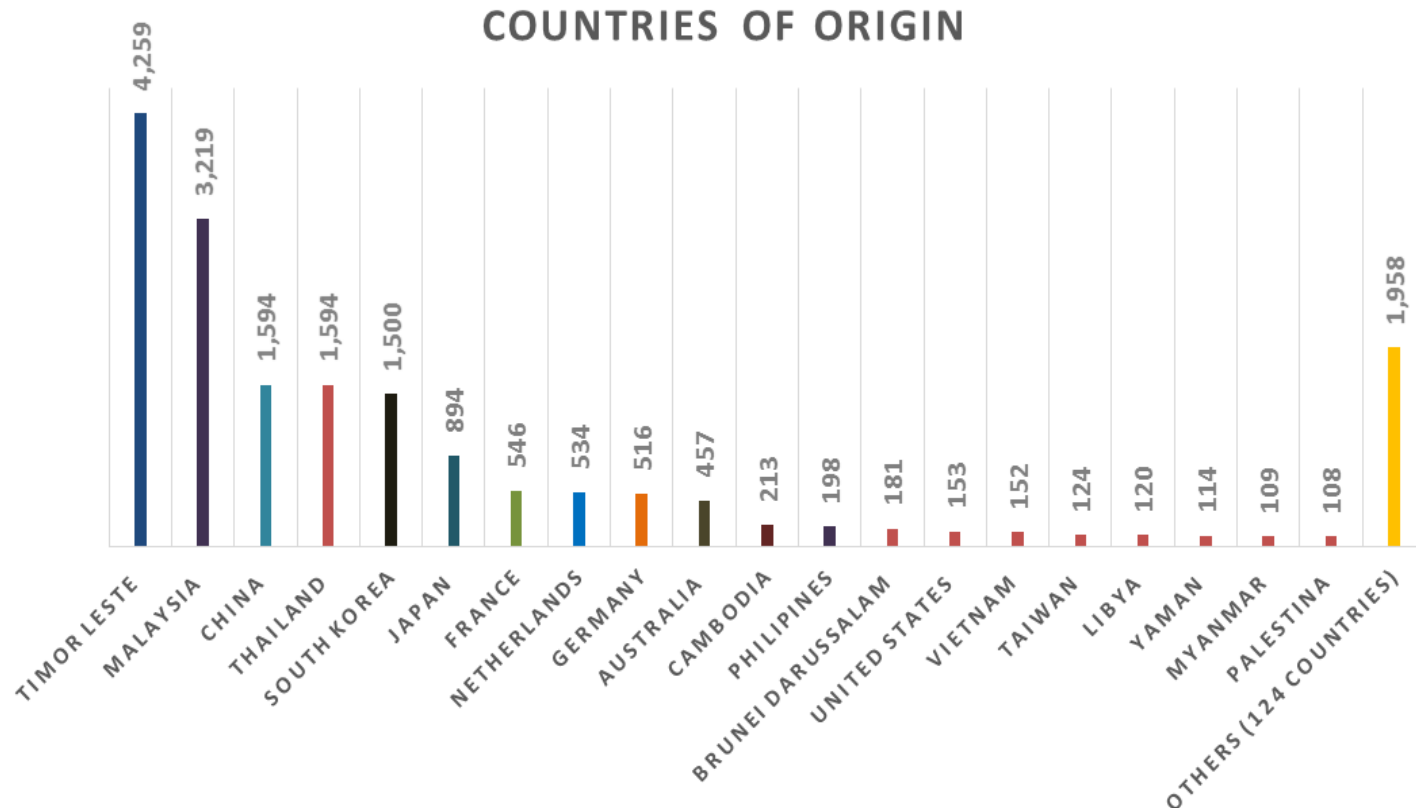
# Flow of Tertiary-Level Students (Student Mobility Indonesia)



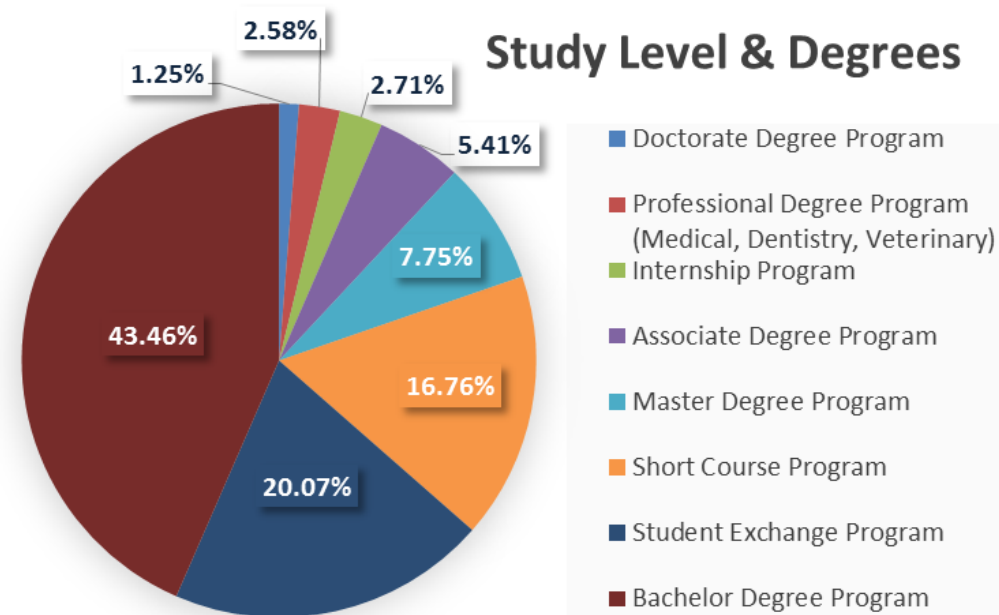


# INTERNATIONAL STUDENT in Indonesia

COUNTRIES OF ORIGIN



Study Level & Degrees



**Total number of International students in Indonesia 2016 – 2019: 18.453 students**

Source: Ministry of Research, Technology and Higher Education of the Republic of Indonesia

# Developing Countries Partnership Scholarship

## Policy Background:



**Postgraduate (Master Degree) scholarships offered to students from developing countries.**

**Indonesian Government commitment to contribute in the Human Resources capacity development in the Developing Country Partners**

**Indonesian Government policy to help University increase the number of International Students as an integrated part of Higher Education Internationalization.**

# Duration of Study

## Bachelor Program

- 2 semesters of Indonesian Language Program
- 8 semesters of Bachelor Program

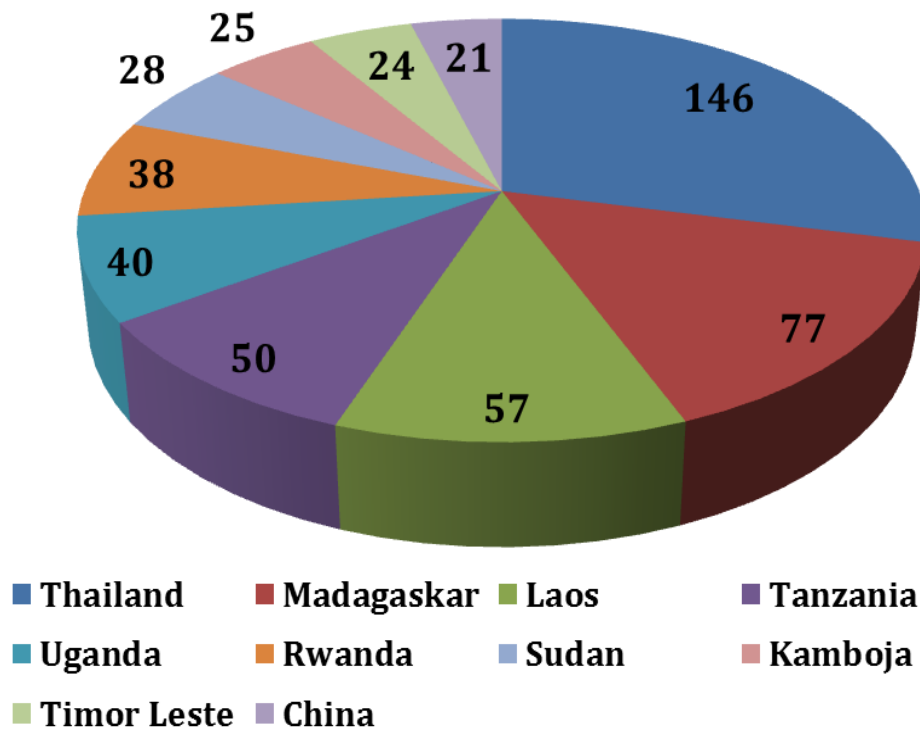
## Master Program

- 2 semesters of Indonesian Language Program
- 4 semesters of Master Program

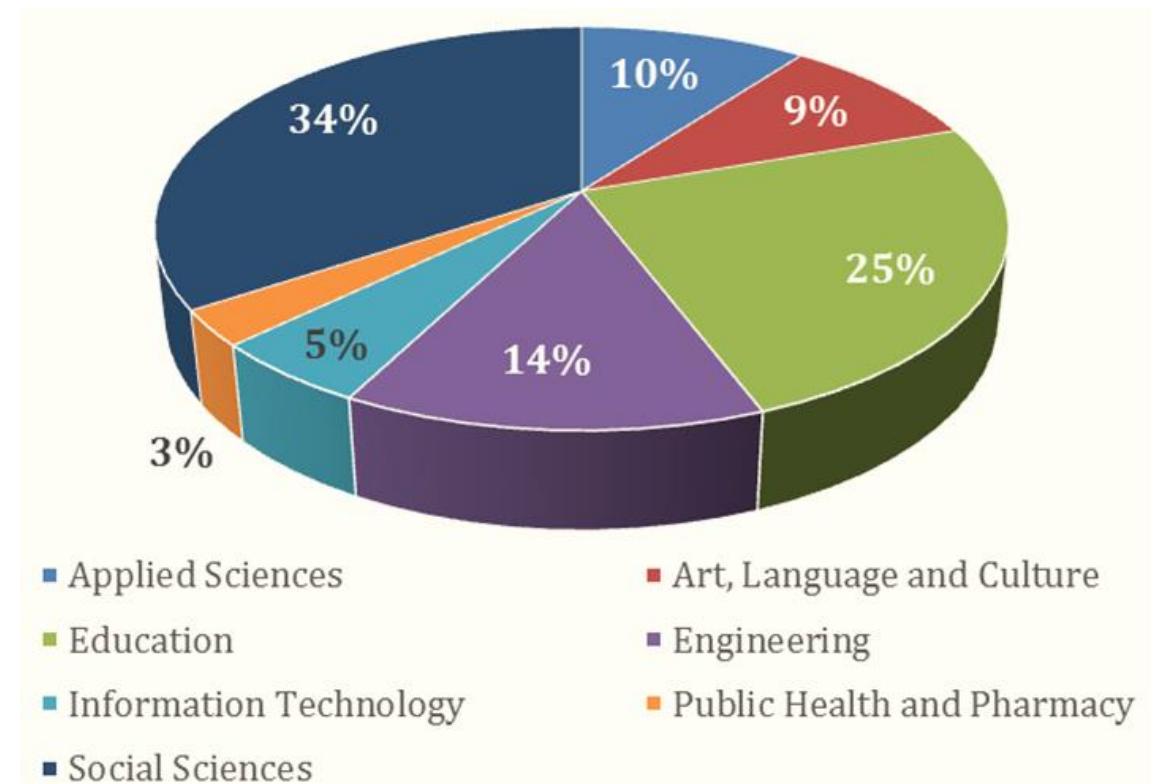
# Statistics

Total Awardees 2008 – 2018: 1,250 awardees

## The DCP Scholarship Awardee's Nationality



## Study Program Distribution



# Moving Forward



## To facilitate mobility

- Indonesia is preparing to ratify Tokyo Convention and Global Convention on Recognition of Qualification of Higher Education.
- Indonesia joins various mobility programs including ASEM Education Process.



**To increase Indonesian gross enrollment rate of HE:** 50% in 2024 → HEIs provide online education in various forms reaching out all Indonesian and open for Indonesians across time and space.



## To ensure quality of HEIs

- Internal and external accreditation for regular programs.
- Internal and external accreditation for online education via ICE Institute.
- Collaboration with foreign universities for academic programs, research, publications and innovation.



**To ensure development of HEIs in Indonesia:** more collaboration and support are needed.



# Thank You

<http://ristekdikti.go.id/>