

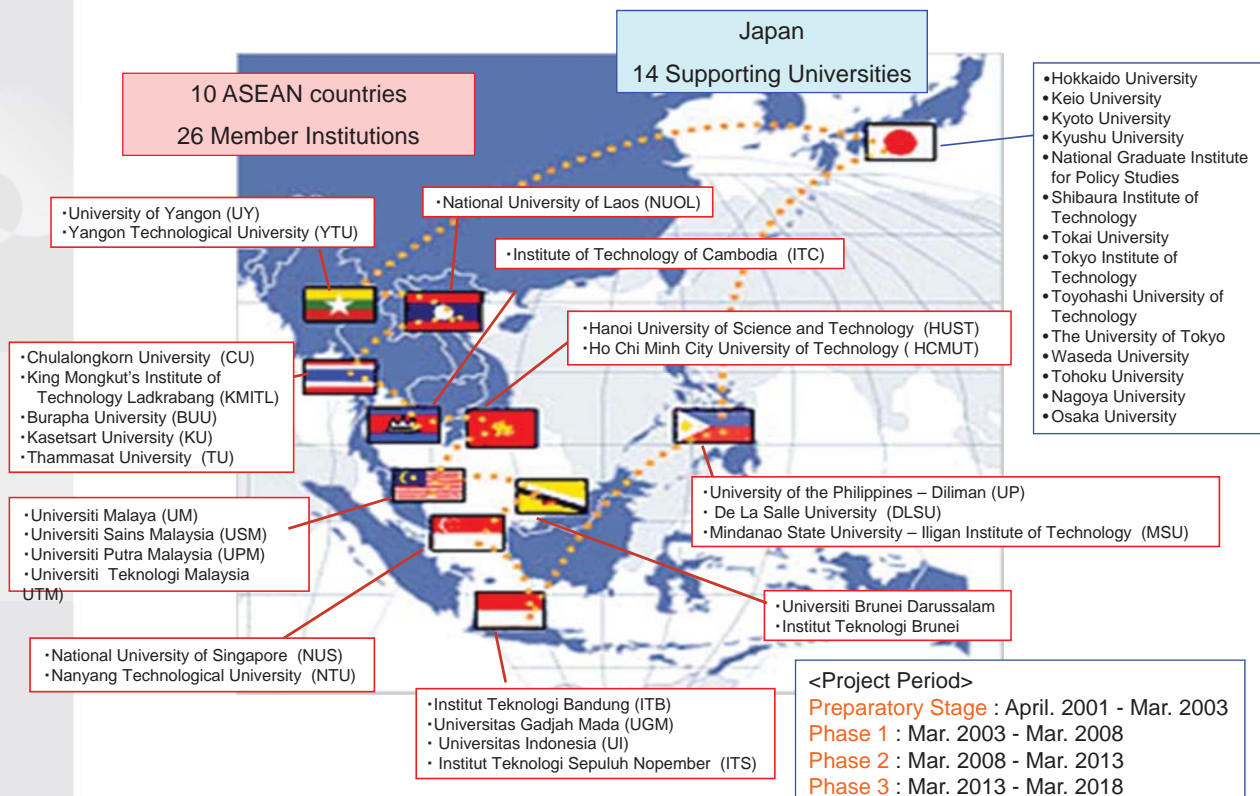
AUN/SEED-Net

ASEAN University Network / South East Asia Engineering Education Development Network

March 5, 2014

Nobuko Kayashima
Japan International Cooperation Agency

SeedNet: Region-Wide Engineering Network among 40 top-level universities in ASEAN and Japan



Objectives

Strengthening leading universities in ASEAN and fostering engineering professionals and academics through a university network among ASEAN and with Japan

Achievements

Fostering Young Academics

- Around 900 academics given scholarships to study master's/ doctoral degrees within ASEAN and in Japan

Strengthening Graduate Programs in ASEAN

- Internationalization and quality enhancement of graduate school programs at leading universities

Collaborative Research by ASEAN and JICA

- Around 700 collaborative researches, over 1,000 academic papers

Strengthening of Higher Education Network between ASEAN and JICA

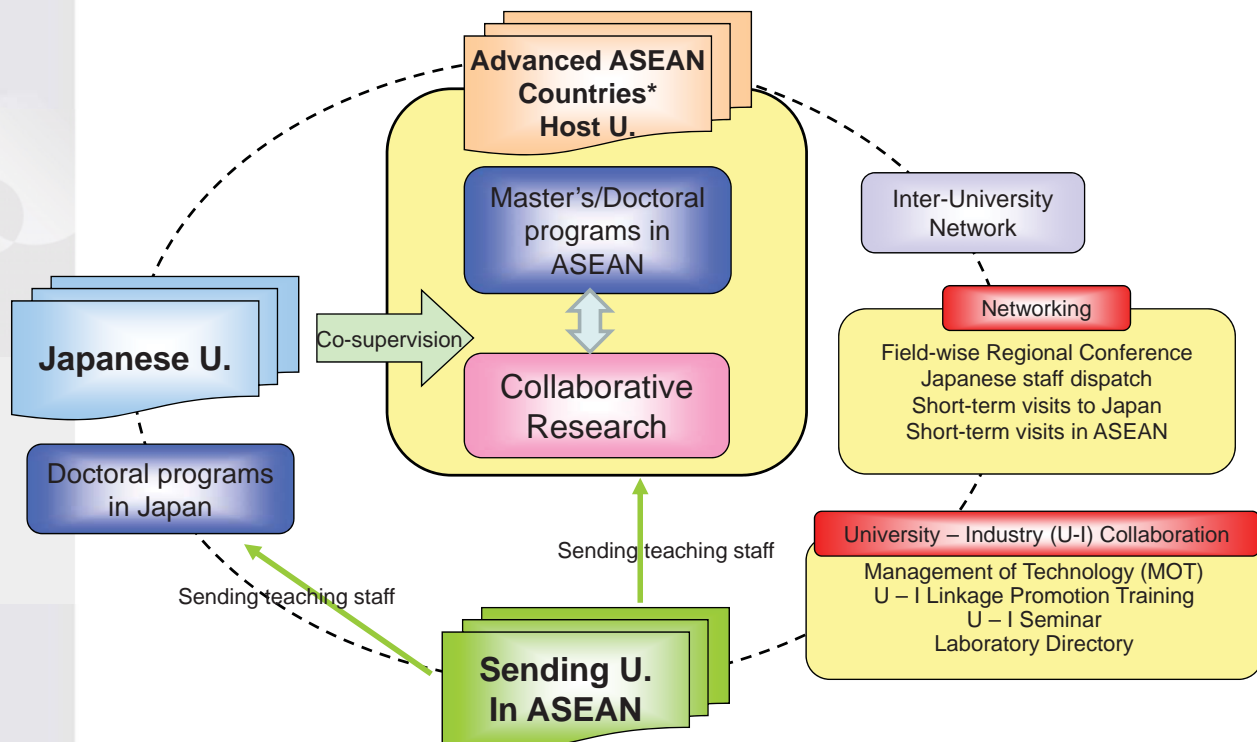
- Mutual dispatch of 1,300 academics
- Regional academic meetings (about 70 times, approximately 700 participants, around 40% from the private sector and universities outside the network)

Fields

- 1) 9 Engineering fields: Chemical, Environmental, Manufacturing, Materials, Civil, Electrical & Electronics, ICT, Mechanical / Aeronautical, Geological Engineering
- 2) 4 Interdisciplinary fields: New / renewable energy, Disaster mitigation, Natural resources & materials, Biotechnology, Global environment

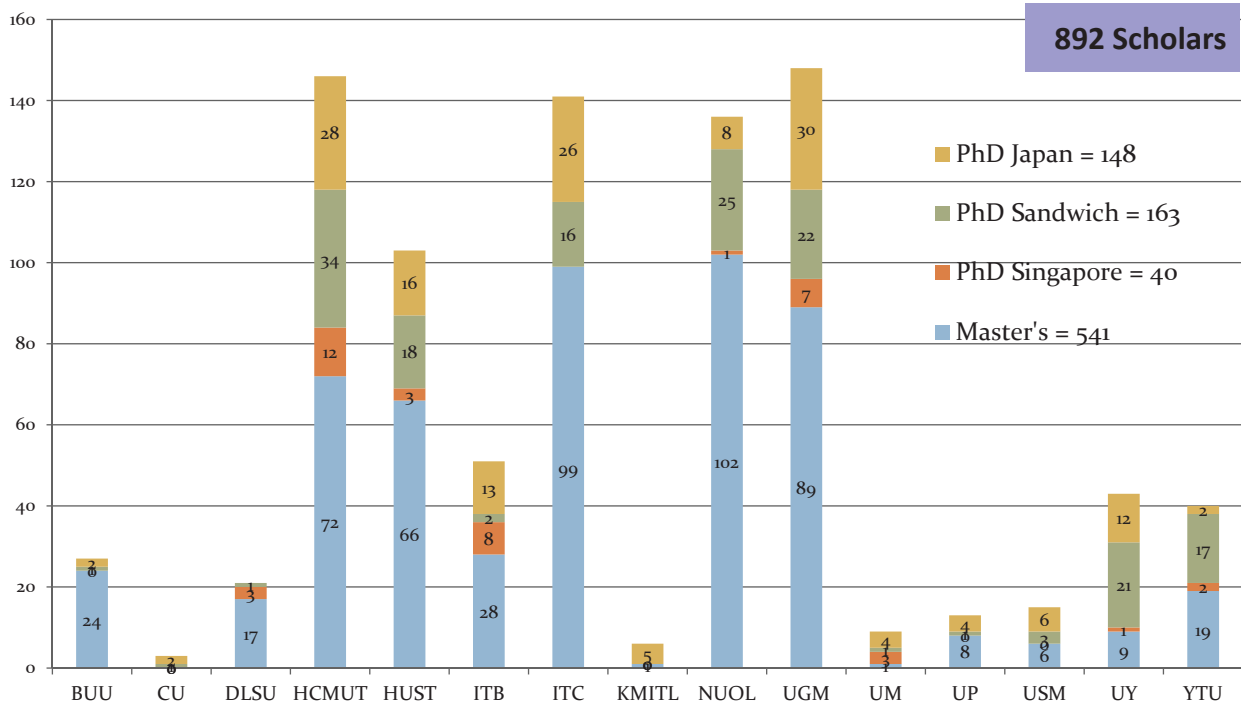
Framework of AUN/SEED-Net

Master's/Doctoral Programs + Collaborative Research + Networking + U-I Collaboration



* Advanced ASEAN countries: Indonesia, Malaysia, Philippines, Singapore & Thailand

Scholars by Sending Institutions



Data (as of Mar 2013) 5



SeedNet Member Universities in QS World University Ranking (Top 100 in Asia / Engineering / 2012)

- | | |
|--------------------|---|
| 1 東京大学 | University of Tokyo |
| 2 国立シンガポール大学 | National University of Singapore (NUS) |
| 4 京都大学 | University of Kyoto |
| 5 東京工業大学 | Tokyo Institute of Technology |
| 8 ナンヤン工科大学 | Nanyang Technological University (NTU) |
| 15 大阪大学 | University of Osaka |
| 16 東北大学 | University of Tohoku |
| 25 名古屋大学 | University of Nagoya |
| 27 バンドン工科大学 | Institut Teknologi Bandung (ITB-INA) |
| 31 チュロンコン大学 | Chulalongkorn University (CU) |
| 32 早稲田大学 | Waseda University |
| 35 九州大学 | University of Kyushu |
| 37 マラヤ大学 | University of Malaya (UM) |
| 39 北海道大学 | University of Hokkaido |
| 42 マレーシア工科大学 | Universiti Teknologi Malaysia (UTM) |
| 48 慶應義塾大学 | Keio University |
| 51 マレーシア・プトラ大学 | Universiti Putra Malaysia (UPM) |
| 52 インドネシア大学 | Universiti Putra Malaysia (UPM) |
| 55 ガジャマダ大学 | Gadjah Mada University (UGM) |
| 73 スラバヤ工科大学 | Institute of Technology of Sepuluh Nopember (ITS) |
| 81 タマサート大学 | Thammasat University (TU) |
| 83 カセサート大学 | Kasetsart University (KU) |
| 86 モンクット王工科大学ラカバン校 | King Mongkut's Institute of Technology Ladkrabang (KMITL) |

10/14
Japanese
Universities

13/26
ASEAN
Universities



JICA's Profile in Engineering Higher Education in Southeast Asia

Laos
•National University of Laos (IT): TA
•Scholarship for governmental officials (JDS): Grant

Myanmar
•Yangon Technological University & Mandalay Technological University: TA
•Scholarship for governmental officials (JDS): Grant

Thailand
•King Mongkut's Institute of Technology Ladkrabang (ITC): Grant & TA
•Thammasart University: TA

Cambodia
•Institute of Technology of Cambodia: Grant & TA
•Scholarship for governmental officials (JDS): Grant

Malaysia
•Scholarship for twinning programs (HELP III): loan
•Malaysia Japan International Institute of Technology (MJIIIT): Loan & TA

Southeast Asia Region
•AUN/SEED-Net: TA



Vietnam
•Hanoi University of Technology and Science (IT field): loan & TA
•Industrial University of Ho Chi Minh City (heavy-chemical sector): TA
•Scholarship for governmental officials (JDS): Grant
•Ho Chi Minh City University of Technology (university-industry-community linkage): TA

Philippines
•Technical Vocational High School: TA
•Scholarship for governmental officials (JDS): Grant

Indonesia
•Institute of Technology Bandung: Loan
•Hasanuddin University: Loan & TA
•Scholarship for government officials (PHRDP III~V): Loan
•Institute of Technology Surabaya : TA
•University of Gadjah Mada (university-industry linkage) : TA
•11 local universities : TA

Timor Leste
•Capacity Development of the Faculty of Engineering, Science and Technology, the National University of Timor-Lorosa'e: TA & Grant

* On-going projects are underlined (As of Feb.2014)