



## 【Name of project】(Adopted year: FY2012, Category I )

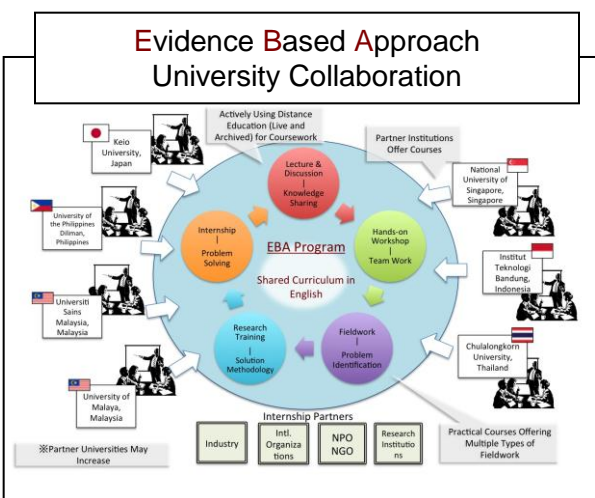
University Consortium for Evidence Based Approach (EBA) to the Emergent Issues in Asia

## 【Aim of project, Ideals of Global Human Resource on the project】

“ASEAN EBA Leader” who can solve emergent issues in ASEAN by using information technology and social development skills in the field of “Energy and environment”, “Health environment” and “Disaster and security”, considering Resilience, Innovation and Sustainability.

## 【Summary of project】

Establishing an education program in collaboration with ASEAN universities to develop human resources that can identify and solve issues based on the evidence and analysis for the development of Asian region that harmonizes science and technology, resources, and economy within the global information society. This course provides the 2 year undergraduate program and 2 year master degree program, will accept 180 Japanese and ASEAN students in total, with 420 student exchanges in 5 years.



## University Collaboration

- Consortium member universities jointly design the EBA course curriculum and offer courses in their own expertise to the students of all member Universities.
- Consortium provides the platform for students of ASEAN and Japanese universities study together daily on cyber space as well as physically. On the cyber space, students and faculty members of all partners interactively teach/learn/discuss each other to encourage ASEAN-wide collaborative problem solving.
- Consortium organizes the Internship Partner with NPO/NGP and industry to offer a various types of internship programs which bridge to the real world.

## Achievement for 2012

- 1st partner university meeting was held (6 Univ. 17 participants).
- Agreed on establishing the consortium.
- curriculum, coordination and operation committee were established.

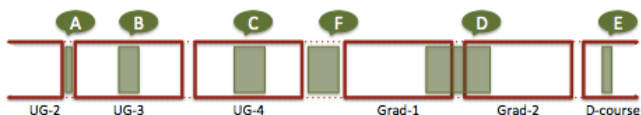
## 4 year program with Undergrad + Grad

“BASIC” certificate with the first 2 years in the undergraduate, “ADVANCED” certificate with 2 more years in the graduate school program.

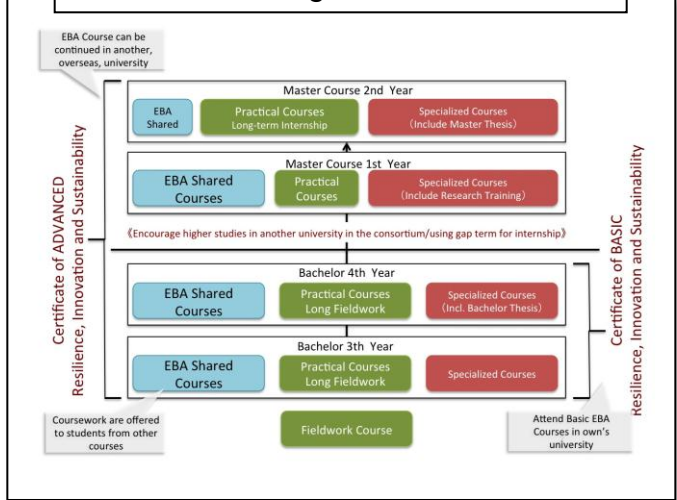
- Going to a graduate school in other country and internship using a gap-term are encouraged (\*cost is not covered by this program)
- Long-term internship as a part of Advanced EBA course is organized to help students to design their own carrier path in ASEAN countries.
- Curriculum consists of 3 categories; 1. the Specialized courses in “Energy and environment”, “Health environment” and “Disaster and security”. 2. EBA Shared Course for Resilience, Innovation and Sustainability, which is core part of EBA education. 3. Fieldwork Courses for variety type of exchange program, ASEAN language and cultural workshops.

## Achievement for 2012

- Video conference environment for EBA shared courses installed.
- Pilot internship program with Yamaha was held.



## EBA Course Program and Curriculum



## Various Types of exchange program

- A. Short term field works (Undergrad grade-2-3)
- B. Basic EBA Course (1) - Short term Fieldwork (UG3 during semester break)
- C. Basic EBA Course (2) - Long term Fieldwork (UG4 during semester break)
- D. Advanced EBA Course - Long-term Internship
- E. PhD student exchange
- F. Study abroad - going to a graduate school in other country is encouraged.

## Achievement for 2012 and future plan

	2012	2013	2014	2015	2016
Outbound	7	40	50	55	60
Inbound	4	30	45	55	55

2012 Outbound: Indonesia and Cambodia Inbound: Indonesia and Malaysia



1st Partner University meeting



Internship program at Yamaha

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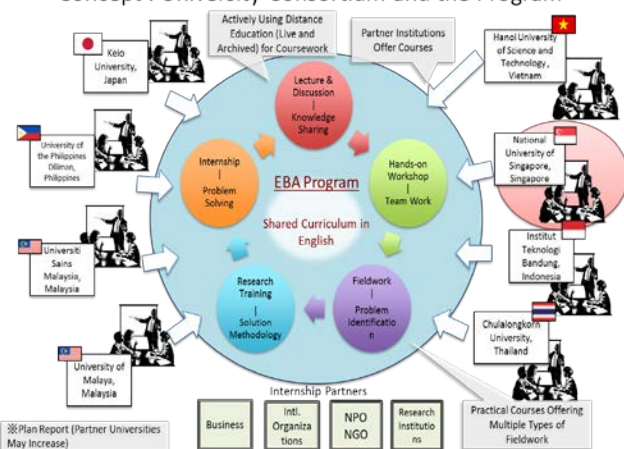
“ASEAN EBA Leader” who can solve emergent issues in ASEAN by using information technology and social development skills in the field of “Health environment”, “Energy and environment” and “Disaster and security”, considering Resilience, Innovation and Sustainability.

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## Evidence Based Approach

Concept : University Consortium and the Program



## University Collaboration(Figure on the left)

- Consortium member universities jointly design the EBA course curriculum and offer courses in their own expertise to the students of all member Universities.
- Consortium provides the platform for students of ASEAN and Japanese universities study together daily on cyber space as well as physically. On the cyber space, students and faculty members of all partners interactively teach/learn/discuss each other to encourage ASEAN-wide collaborative problem solving.
- Consortium organizes the Internship Partner with NPO/NGP and industry to offer a various types of internship programs which bridge to the real world.

## Achievement for 2013(Figure on the left)

- 2<sup>nd</sup> partner university meeting was held(6 Univ. 6 participants from ASEAN)
- Set up External Reviewing Committee
- Launched the transmission of lectures from Keio to the consortium member universities
- Outbound and Inbound by Fieldwork/Internship programs
- Launched the dissemination of information on the social networks such as our official Facebook and Twitter
- Organized the monthly Coordinators' meetings and Open seminars
- Set up the remote-conferencing system and other teaching environment within Keio
- Strengthened cooperation, by concluding an agreement, with the consortium member universities
- Established the system for student admission (Visiting Undergraduate Student under Agreement)
- Launched an industry-academia collaboration Research Consortium



2<sup>nd</sup> Partner University meeting



Open seminar

## Student-Mobility

### Outbound

- Institute of Technology of Cambodia (ITC) for internship in May (2 students from Graduate School of Media Design)
- Gadjah Mada University for fieldwork in August (5 students from Faculty of Science and Technology)
- Minamata Fieldwork in August (9 students: 4 from Faculty of Policy Management, 2 from Faculty of Environment and Information Studies and 3 from Graduate School of Media and Governance) ※Not included in the number of outbound below
- University of Computer Studies-Mandalay for internship in October (3 students: 2 from Graduate School of Media Design and 1 from Graduate School of Media and Governance)
- Institute of Technology of Cambodia for Fieldwork in March (3 students from Faculty of Science and Technology)
- Indonesia for fieldwork in March (1 student from Graduate School of Media and Governance)

### Inbound

- Minamata Fieldwork in August (14 students: 2 from Institute of Technology Bandung; 2 from University of the Philippines Diliman, 4 from University of Malaya, 2 from Universiti Sains Malaysia, 2 from Hanoi University of Science and Technology, 2 from Chulalongkorn University)
- Weather News for Internship from Jan to Feb (3 students from Brawijaya University)
- SFC and Yamaha for Internship from Feb to May (2 students: 1 from Universiti Sains Malaysia and 1 from Brawijaya University)

## Minamata Fieldwork (Figure on the left)

The study tour to learn about economic recovery and the environmental protection at the city of Minamata, Kumamoto Prefecture, was held with the participation of 12 students from the Consortium member universities and 9 students from Keio.



	2012	2013	2014	2015	2016
Outbound	7	14	56	61	66
Inbound	4	19	51	61	61

Note : FY2012-2013 results, FY2014 - 2016 planned

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University Consortium for Evidence Based Approach (EBA) to the Emergent Issues in Asia

**【Aims of project, Ideals of Global Human Resource on the project】**

The project aims to build a generation of “ASEAN EBA Leaders” who can solve emergent issues in ASEAN by using information technology and social development skills in the field of “Health Environment,” “Energy and Environment” and “Disaster and security,” considering Resilience, Innovation and Sustainability.

**【Summary of project】**

By establishing an education program in collaboration with ASEAN universities, EBA is committed to developing human resources that can identify and solve issues based on the evidence and analysis for the development of Asian region that harmonizes science and technology, resources, and economy within the global information society. This program provides a 2-year- undergraduate program and a 2-year-master degree program and plans to receive 180 Japanese and ASEAN students in total, with 420-student exchanges in 5 years.

## Forming a University Network with Quality Assurance

### EBA Program Design

Consortium partner universities jointly design the EBA course curriculum, consisted of “Core Courses,” “Practical Courses” and “Specialized Courses.” Subjects for each course, accreditation, and skills required for graduation and other issues are discussed in general meetings held in every February.

### Guidelines establishment

The guidelines established by EBA member universities—covering from lecture length to educational approaches in data science, communication skills in local languages, fieldwork and others—guarantee the quality control of courses offered by the program. Because of the diversity of university cultures, schedules and other characteristics, the guidelines do not concern only about contents, but also the logistics to deliver the best learning experience.

## Contents of the Program, Preparation for the Start of the Programs



### Open Seminars and Coordinators Meeting

In order to stimulate communication within universities, EBA conducts monthly meetings. Open Seminar aims to share information and raise discussions among faculty and students on topics related to the program. At EBA Coordinators meeting, EBA partners discuss issues including the planning, promotion and implementation of upcoming fieldworks and internship.

### EBA Components Certificate

By taking EBA courses and accomplishing the requirements established by the EBA guidelines, students are entitled to receive the “Component Certificate.” In 2014, 192 “Component Certificates” were issued for 124 students and interns. “Program Certificates” can be obtained in the following years.

## Student-Mobility

### Fieldwork & Internship

EBA offers 10-day fieldwork programs and short-term internship programs. The numbers of students for the upcoming programs are being reviewed in order to meet the initial goals.

### Japanese Students Exchange

In 2014, EBA sent Japanese students for fieldwork abroad (Philippines) for the first time. After that, fieldwork programs will be hosted regularly by partner Universities, as well as internship program overseas.

## Promotion of Student-Mobility Environment

### Student Agreement System

Keio University established an internal system to support short-term program, in addition to regular issues such as academic terms or accreditation issues. This system enables a smooth process for the student regarding visa issues among others.

## Internationalization of the university / Information disclosure and Publication of outcome

### The Impact within Keio

This program’s student agreement system was also applied in other international programs in Keio University. As of the end of June 2015, it was also applied to receive 61 students.

### Inbound

A total of 42 students from partner universities attended EBA fieldworks (Disaster Management, Environment and Health, Energy) and internship programs in Japanese companies in 2014.

	2012	2013	2014	2015	2016
Outbound	7	14	4	65	70
Inbound	4	19	42	65	65

Note : FY2012-2014 results, FY2015 - 2016 planned

### Localized Information Session

In addition to the Open Seminars, EBA conducts information sessions in each campus respectively to make EBA program including its contents like courses, fieldwork, internship, etc. More widely known and reached to a larger audience from that location.

### Online Presence

EBA explores digital media to spread information and calling for participation in its programs. The EBA official website (<http://www.eba-consortium.asia>) and the EBA Facebook (<https://www.facebook.com/EBAConsortium>) has been promoting communication at different levels.

〈EBA Courses〉

#### EBA Core Courses

- Knowledge Skills
- Governance
- Social Innovation
- Advanced IT

#### Practical Courses

- Internship
- Fieldwork (short- and long-term)
- Supporting Subjects  
Language, Culture of ASEAN and Japan

#### Specialized Courses

- Energy and Environment
- Health Environment
- Disaster and Security

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University Consortium for Evidence Based Approach (EBA) to the Emergent Issues in Asia

**[Aim of project, Ideals of Global Human Resource on the project]**

To collaborate with ASEAN countries in creating "ASEAN EBA Leaders" who can solve emergent issues in ASEAN region in areas of "Health Environment," "Energy and Environment" and "Disaster and Security, by utilizing information technology and social development skills while considering Resilience, Innovation and Sustainability.

**[Summary of project]**

The idea of Evidence based Approach (EBA) is, to rely on raw data, analyzing the data and designing appropriate data-based measures by relying on problem-solving processes across disciplines and making use of the global foundation of Big Data in highly advanced information oriented societies. With this idea, EBA aims at creating an EBA coursework program based on the share educational programs within the consortium of ASEAN partner universities and Japanese universities. The program aims at receiving 180 students (Japanese and ASEAN students) in total and carrying out exchanges of 420 students with the 5-year period.

## Framework for Inter-University Exchange with Quality Guarantee

### Developments of Common Curriculum (EBA Program) within Participating Universities

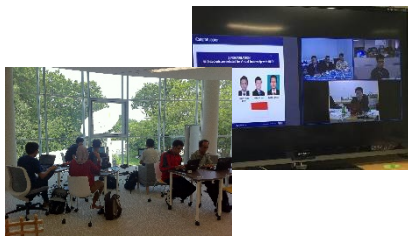
By 2015, in order to put into practice the common curriculum, whose basic framework by has been agreed upon among the participating universities, part of Keio University's regular courses have been incorporated as the response to EBA Program. Through this arrangement, a cluster of courses required for the certificate are now regular courses whose quality is guaranteed by the participating universities. By combining with non-degree credit-earning-students-system, the students at the participating universities can now take courses and participate in fieldwork, with corresponding credits, pushing Keio University's position to its completion. Similar efforts are being made in other participating universities.

### EBA e-portfolio

EBA Program issues an electronic certificate for those students who complete the certificate requirements. Students can monitor their own learning records on Internet. Also, as certificate acquisitions can be visually monitored, the program coordinators in the participating universities can capture how the participating students are learning. On the basis of these developments, the monthly coordinators meetings discuss and examine where the program is going.

## Contents of the Program and Preparation for the Future

< Business Fieldwork >



### Diverse Overseas Programs in ASEAN region

All participating universities, making use of their specialties organized and implemented field works. Training in skills such as informatics and story-telling insures the consistency as EBA fieldwork across all fields.

### Programs in Japan

In addition to the ongoing fieldworks, we have added what we call business fieldwork in collaboration with private business corporations. In this field work, we combine the on-campus course works and internship at business corporations, thereby enriching the program.

## Student mobility in the Exchange program

### Outbound

In 2015, we managed to send abroad the total of 67 Japanese students, surpassing the initial target. Also the increasing number of students participated in the fieldworks more than once, and sustained their efforts toward EBA certificate acquisition. Further, 24 Japanese students participated in the fieldworks in Japan and actively interacted with the participants from abroad.

### Inbound

In 2015, the total of 77, surpassing the initial target, participated from abroad in the fieldworks and internships in Japan. Recognition of EBA has spread among the participating universities and also the words have spread by the past participants, leading both to the increase in the participants who understand EBA and to the smoother program management.

	2012	2013	2014	2015	2016
Outbound	7	14	4	67	70
Inbound	4	19	42	77	65

Note : FY2012-2015 results, FY2016 planned

## Improvement of the System to promote sending the Japanese students abroad and Receiving the students from abroad.

### Utilization of non-degree credit-earning-students system

Thanks to the non-degree credit-earning-students system at Shonan Fujisawa Campus- Keio University, foreign students can also register for credit and as the result, within the academic year of 2015, credits have been awarded to 43 students.

### Reinforcement of Orientation and others

In order to promote the recognition of EBA within Keio University, we have offered orientation meetings and spread of information through mailing lists in addition to the joint open seminar in English with participating universities, maintaining an English website. In 2016, we added an orientation for those students who take ASEAN-related language courses. As a result of all these, in 2015, the number of Japanese students, who participated in the fieldworks and who take courses for Program certificate, increased.

## Internationalization of the University following the EBA: Information Disclosure and Dissemination of the Achievements

### Information dissemination through Social Media

In addition of our official web site, <http://www.eba-consortium.asia/>, we make use of Facebook, <https://www.facebook.com/EBAConsortium>, for sending and disseminating information concerning our activities. Also the past participants helped disseminate and share the information among all participating universities.

<Image from EBA e-portfolio>

Category and Course Name	Semester	Year	Faculty	Credit Hours
Business Fieldwork (1)	2012-2013	2013	Faculty of Business	10
Business Fieldwork (2)	2013-2014	2014	Faculty of Business	10
Business Fieldwork (3)	2014-2015	2015	Faculty of Business	10
Business Fieldwork (4)	2015-2016	2016	Faculty of Business	10
Business Fieldwork (5)	2016-2017	2017	Faculty of Business	10
Business Fieldwork (6)	2017-2018	2018	Faculty of Business	10
Business Fieldwork (7)	2018-2019	2019	Faculty of Business	10
Business Fieldwork (8)	2019-2020	2020	Faculty of Business	10
Business Fieldwork (9)	2020-2021	2021	Faculty of Business	10
Business Fieldwork (10)	2021-2022	2022	Faculty of Business	10

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University Consortium for Evidence Based Approach (EBA) to Emerging Issues in Asia

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To collaborate with ASEAN countries in creating “ASEAN EBA Leaders” who can solve emerging policy issues in ASEAN region in areas of “Health Environment”, “Energy and Environment” and “Disaster and Security” by utilizing information technology and social development skills while considering “Resilience, Innovation and Sustainability”.

## 【Summary of project】

The idea of Evidence Based Approach (EBA) is to design appropriate “problem solving approach” based on Big Data and its empirical analysis as well as to put this approach into practice. With this idea, EBA aims at creating a collaborative education program, “EBA course”, which enables students to obtain both specialized knowledge and practical ability within the consortium of 6 ASEAN universities and Keio University. The goal of this program is to carry out exchanges of 420 students within 5 years.

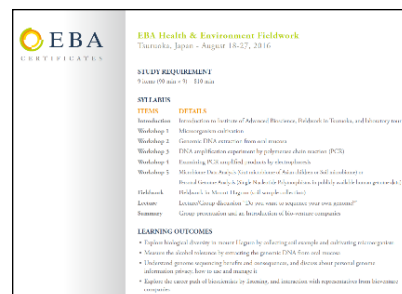
## Forming the University Network with Quality Assurance

### The University Consortium

We have operated the university consortium with ASEAN partner universities. We developed a common curriculum within the consortium and issued certificates to the participants. All partner universities agreed to continue activities after the end of this project.

### The Certificate and Credit

The consortium has issued a certificate to each participating student who satisfied the course requirements. It contains both the learning contents and the learning outcomes to visualize student’s knowledge and skills. Keio University also awarded official credits to students from both Keio and the partner universities.



〈EBA Certificate with visualized learning content〉

## Contents of the Programs and Preparation for the resumption of the Programs



〈 Internship program 〉

### Fieldwork

Keio university provides domestic fieldworks for ASEAN students, while the partner universities provide overseas fieldwork. Both are approximately 10 days program in which students from Keio and ASEAN partner universities can study together.

### Remote Lecture and the Open Seminar

By using video conference system, we have been offering a language course which provides students with a chance to learn basic Japanese of conversational level for both fieldwork and internship programs. We also hold Open Seminars with this system which is to share the students’ activities among all the partner universities.

## Student-Mobility

### Outbound

For the year 2016, 89 Keio students were sent to overseas fieldwork programs, surpassing the planned. All of the partner universities are now able to provide fieldwork program which meets EBA’s requirements. Therefore, the environment for providing fieldwork is well established for the future collaboration.

### Inbound

67 students from ASEAN region participated in the fieldworks held in Japan (Minamata, Fujiyoshida, Tsuruoka and Sanriku). Keio students also participated in those programs as a host to communicate with ASEAN students.

	2012	2013	2014	2015	2016
Outbound	7	14	4	67	89
Inbound	4	19	42	77	67

## Promotion of an Environment facilitating Students’ mobility

### Fieldwork Guideline

We have prepared “Fieldwork Guideline” document in order to create a common standard based on which EBA Consortium members can deliver fieldworks of great quality. Coordinators started discussing details of the fieldwork with host university at least 6 months before the program in order to provide students with necessary information early enough.

### School Calendar

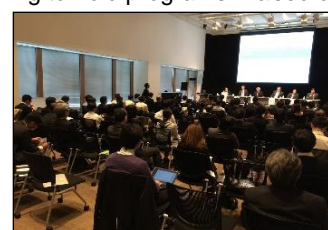
Because universities in different countries have different school calendars, we have adjusted the timing to hold programs. Based on the discussion, EBA decided to provide programs in August, February and March.

## Internationalization of the university

### Information disclosure and Publication of outcome

#### Information Session at the SFC Open Research Forum

To report what we had done within the 5 years, we held a session in the SFC Open Research Forum in November 2016. Not only the university participants but also the executives from the company as well as the former participants in our internship programs who are now working for Japanese companies also joined the discussion.



〈 SFC Open Research Forum 2016 〉