

EBA Consortium Activity Report

Evidence Based Approach

AY2012 - AY2016

EBA ACTIVITY SUMMARY 2012-2017

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5 Years Accomplishment at a glance

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PARTNERS

9 Universities from
7 Countries

*As of March 2017



MYANMAR

UNIVERSITY OF COMPUTER STUDIES, YANGON



THAILAND

CHULALONGKORN UNIVERSITY



MALAYSIA

UNIVERSITY OF SCIENCE, MALAYSIA



INDONESIA

INSTITUTE OF TECHNOLOGY, BANDUNG



JAPAN
KEIO UNIVERSITY



VIETNAM
HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY



PHILIPPINES
UNIVERSITY OF THE PHILIPPINES DILIMAN



MALAYSIA
UNIVERSITY OF MALAYA



INDONESIA
BRAWIJAYA UNIVERSITY

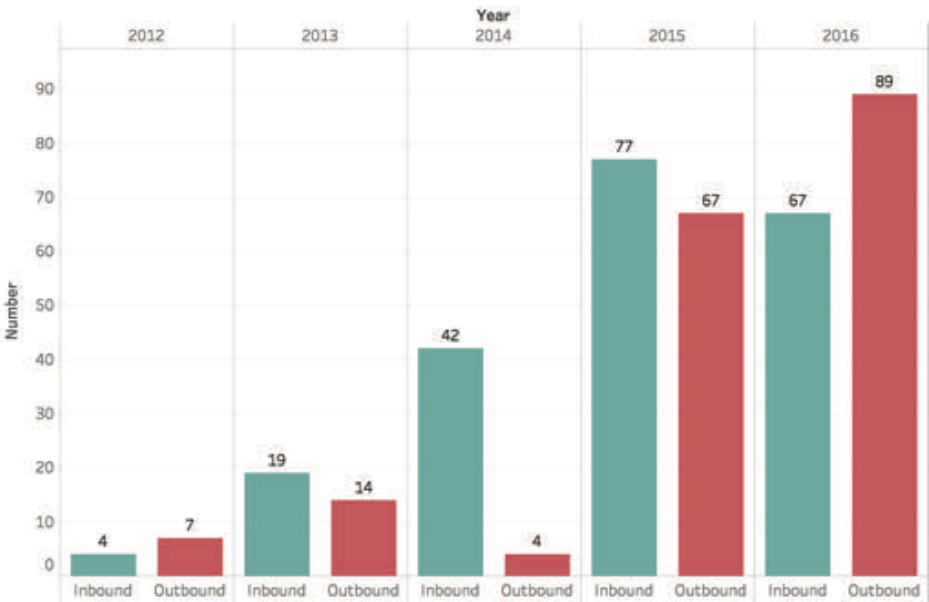
Number of
Participants

561

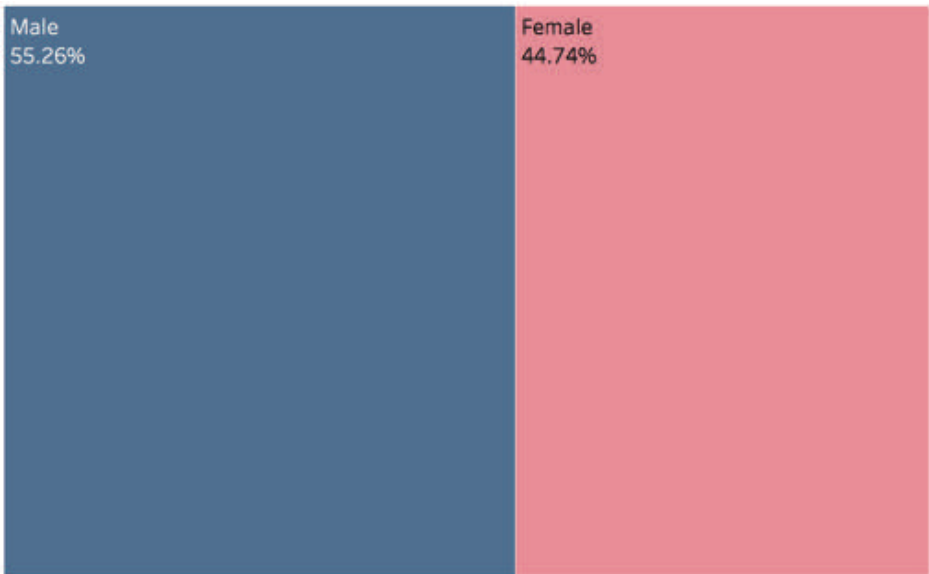
Number of
Certificates Issued

1,077

Number of
In/Outbound Exchange Participants



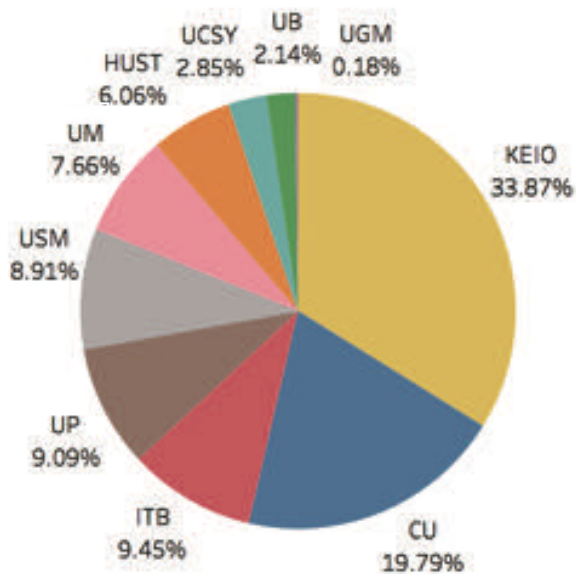
Gender Ratio



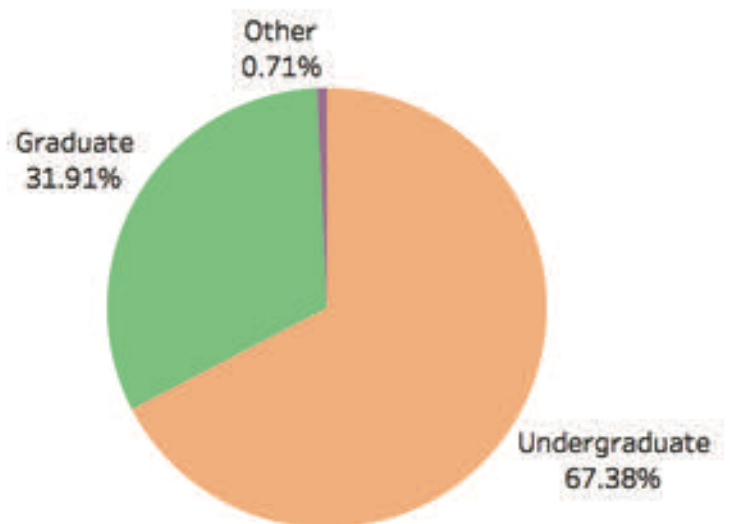
PARTICIPANTS

561 Participants
from Various Backgrounds

Affiliation



Grade



Department



Total 94 Departments

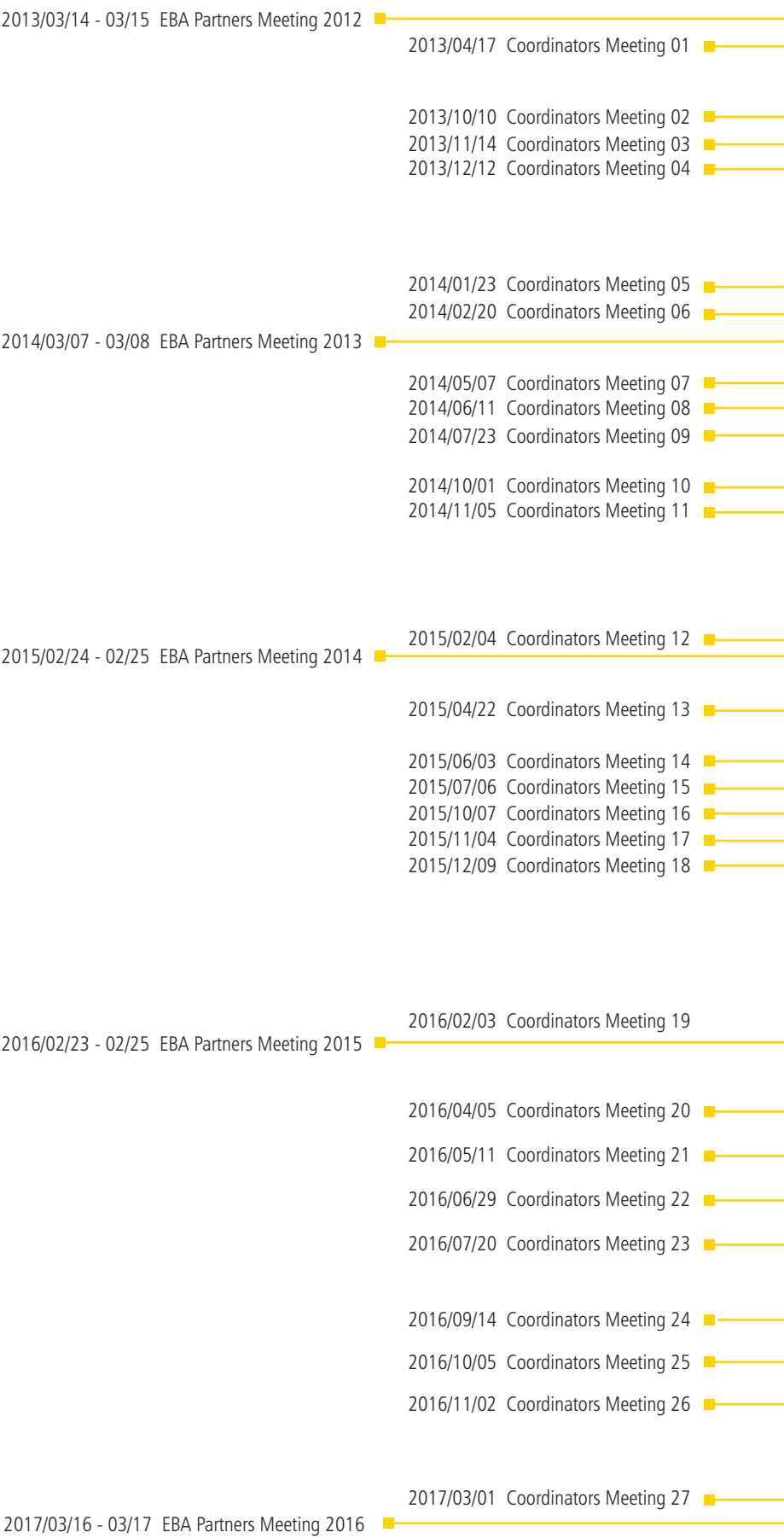


n = 561

TIMELINE

- 5 Partners Meetings
- 27 Coordinators Meetings
- 31 Open Seminars
- 30 Fieldworks

■ Consortium Activities | Partners Meetings Coordinators Meetings



12
13

Open Seminars

Fieldworks

14

15

16

		■ Trial (Short Fieldworks in ASEAN)
■ 2013/07/11	Introducing EBA	
■ 2013/10/02	Minamata Fieldwork	■ 2013/08/05 - 08/11 Minamata, Japan
■ 2013/11/06	KEIO Science and Technology	
■ 2013/12/04	Data Science	
■ 2014/01/08	Entrepreneurship Education	
■ 2014/02/05	Disaster Management	
■ 2014/03/05	Environment	
■ 2014/05/07	IT and Education	
■ 2014/06/11	Mining and the Environment	
■ 2014/07/23	Snapshots of Fieldworks in Japan	■ 2014/08/01 - 08/10 Minamata, Japan
■ 2014/10/01	Fieldwork Report Presentations	■ 2014/08/06 - 08/15 Sanriku, Japan
■ 2014/11/05	Sustainable Development at USM	■ 2014/09/05 - 09/14 Fujiyoshida, Japan
		■ 2014/11/30 - 12/09 Philippines
■ 2015/04/22	Green Industries	
■ 2015/06/03	Upcoming Fieldworks (Introduction)	■ 2015/06/06 - 06/15 Malaysia
■ 2015/07/06	Malaysia Fieldwork Presentation	■ 2015/07/28 - 08/04 Business (with NTT DATA)
■ 2015/10/07	Summer Fieldworks	■ 2015/07/31 - 08/09 Minamata, Japan
■ 2015/11/04	Indonesia Fieldwork	■ 2015/08/17 - 08/27 Vietnam
■ 2015/12/09	Thailand Fieldwork	■ 2015/09/14 - 09/23 Fujiyoshida, Japan
		■ 2015/12/13 - 12/22 Indonesia
		■ 2016/01/08 - 01/17 Thailand
■ 2016/02/03	EBA Fieldworks	■ 2016/01/11 - 01/19 Data Management & Energy
■ 2016/03/09	EBA Oversea Fieldwork Reports	■ 2016/02/07 - 02/16 Malaysia
■ 2016/04/05	EBA Spring Fieldwork Reports	■ 2016/03/06 - 03/15 IT, Japan
■ 2016/05/11	EBA Upcoming Fieldworks	■ 2016/03/08 - 03/17 Sanriku, Japan
■ 2016/06/29	Minamata and Malaysia Fieldwork	■ 2016 Spring - Break Independent Fieldworks
■ 2016/07/20	Tsuruoka, Fujiyoshida Fieldwork, and Internship	■ 2016/06/12 - 06/21 Philippines
		■ 2016/07/29 - 08/07 Mianamata, Japan
■ 2016/09/14	Fieldwork Report Presentations	■ 2016/08/17 - 08/26 Vietnam
		■ 2016/08/18 - 08/27 Tsuruoka, Japan
■ 2016/11/30	Myanmar and Energy Fieldwork Reports	■ 2016/08/25 - 09/03 Malaysia
■ 2017/02/08	Malaysia and Thailand Fieldwork Orientation	■ 2016/08/27 - 09/05 Fujiyoshida, Japan
■ 2017/03/30	Fieldwork Report Presentations	■ 2016/10/10 - 10/19 Data Management & Energy
		■ 2017/02/14 - 02/23 Thailand
		■ 2017/02/19 - 02/28 Malaysia
		■ 2017/02/22 - 03/03 Myanmar
		■ 2017/02/26 - 03/08 Indonesia
		■ 2017/03/02 - 03/11 Sanriku, Japan
		■ 2017/03/07 - 03/16 Vietnam

FEEDBACK & OUTPUTS

Feedback from the Students

“

Evidence Based Approach is an interesting method to research, participating in the fieldwork make me more interested in research. Then I turn to be a lecturer rather than an office worker.

”

Herdi Ashaury, ITB
Participant of IT Fieldwork 2016

“

I developed a global mindset wherein I believe that it is not enough to stay and work exclusively for few in the world today when we want to continuously innovate. There should be sharing and exchanging of different ideas and information from different cultures. So I am very much motivated to look for opportunities to study or work in different places in the world.

”

Auriga Joy B. Rosell, UPD
Participant of Sanriku Fieldwork 2015

“

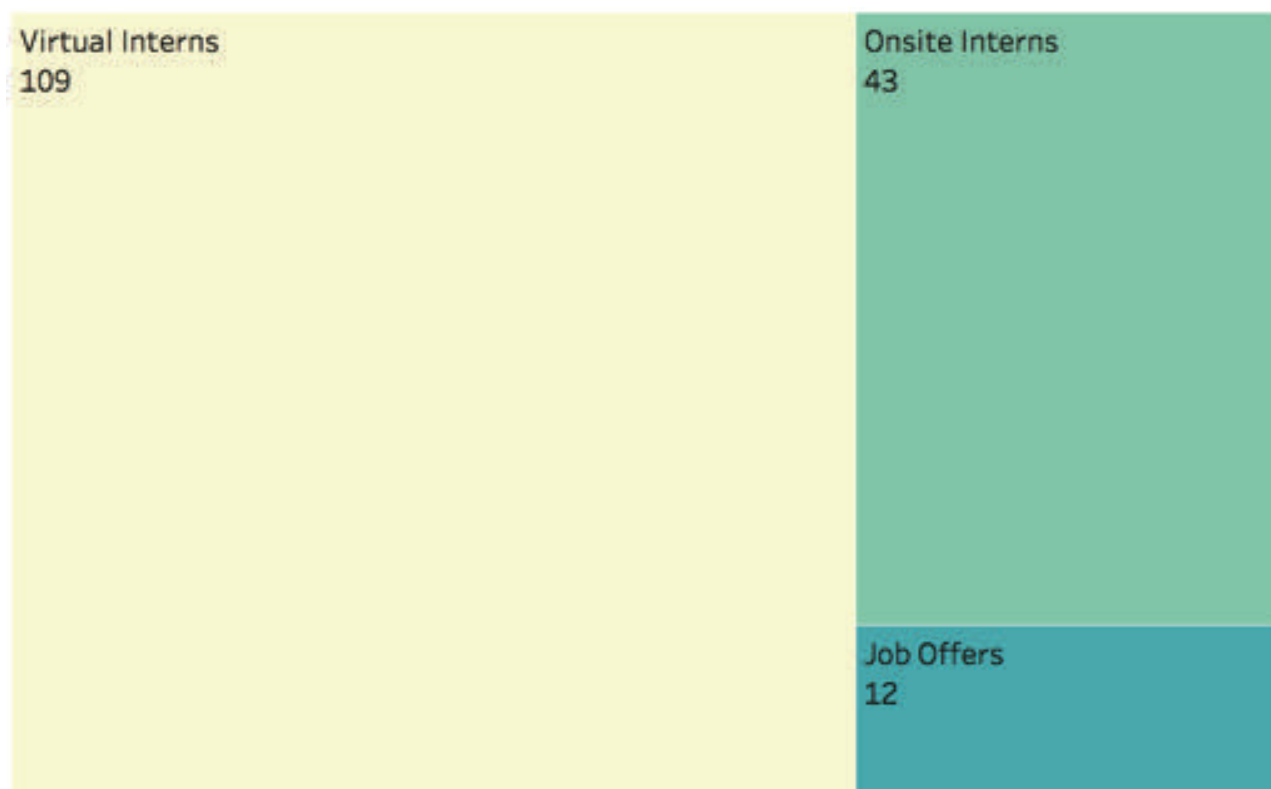
The fieldwork, though short, but widen my horizon and encouraged me to explore the world out there. It also a star on my CV that helped career in someways.

”

Ta Quoc Viet, HUST
Participant of Minamata Fieldwork 2013

All Comments Retrived from 'After Fieldwork Survey' (Conducted August, 2017)

Outputs (Number of Internships and Job Offers)



Outputs (Public Seminars and Sessions)



Open Research Forum at Keio University (2014～), etc.

Fieldwork Summary

Fieldworks from 2013	(1 Fieldwork)	P.11-
Fieldworks from 2014	(4 Fieldworks)	P.13-
Fieldworks from 2015	(12 Fieldworks)	P.21-
Fieldworks from 2016	(13 Fieldworks)	P.45-

Minamata Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2013	2013/08/05 - 2013/08/11	14 ASEAN / 9 KEIO STUDENTS	KEIO



Students learn the history of Minamata Disease through visits to associated facilities at Minamata city, and interacting with local government officers and local residents. In addition, students develop ideas as to how to tackle similar environment problems in ASEAN and to promote local industries by observing local initiatives.



RESULTS

- Group Presentation
 - └ Held at the Minamata City Hall (Aug 10th 2013)
- Online Presentation
 - └ Held at the 2nd EBA Open Seminar (Oct 2nd 2013)
- Reported in a Local Newspaper
 - └ Nishi-Nippon Newspaper (Aug 11th 2013)

VOICE FROM THE PARTICIPANT

"I travelled with students from Malaysia, Japan, Vietnam, Philippines, Thailand, Indonesia and China as well as lecturers from Keio University to Minamata, Japan for the four-days fieldwork at Minamata, Japan. This was an extraordinary experiences for me as I get to know and work together with students from different countries for the first time."

How Siang Chuah
University Sains Malaysia

PROGRAM

August 05th: Arriving in Japan

August 06th: Pre Workshop (at Keio University)

August 07th: Visit the National Institute of Minamata Disease , etc.

August 08th: Field Observation, Visit to Hotto House (Outpatients treatment facility) and Moyai-Kan (Re-knotting pavilion), etc.

August 09th: Field Observation, Discussion with Related Personnel, Talk from a Young Victim of Minamata Disease, etc.

August 10th: Final Presentation at the Minamata City Hall,

August 11th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- How can we avoid another Minamata-like severe disaster?
- How can we revitalize this region through eco-industrial activities including those making use of renewable energies?
- How can we revitalize this region through nature-based activities such as agriculture, eco-tourism?

PRESENTATION (SLIDES) from WORKING GROUPS



Minamata Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2014	2014/08/01- 2014/08/10	12 ASEAN / 10 KEIO STUDENTS	KEIO



Students learn basic methods and “Evidence Based Approach” at the workshop, and after, visit Minamata city to learn the overview of issues from specialists, visiting the factory and work place for the victims in order to collecting evidences throughout intensive observations and interactions with local residents. Based on the evidences, participants have a group work discussion.



RESULTS

- Group Presentation
 - └ Held at the Minamata City Hall (Aug 07th 2014)
 - └ Held at Keio University (Aug 09th 2014)
- Poster/Video Presentation
 - └ Held at the 12nd EBA Open Seminar (Oct 1st 2014)
- Reported in a Local Newspaper
 - └ Yomiuri News Paper (Aug 22th 2014)

VOICE FROM THE PARTICIPANT

“I had learned a lot of things and gone through one of best lifetime experience for going to Japan. I realised that I need to bring back all that precious experiences during the fieldwork, to follow the all the good part of it in doing anything here in my country, and at least, I share all I got with people around and my course mate. ”

Fenddy Kong Bin Mohd Aliff Kong
University Sains Malaysia

PROGRAM

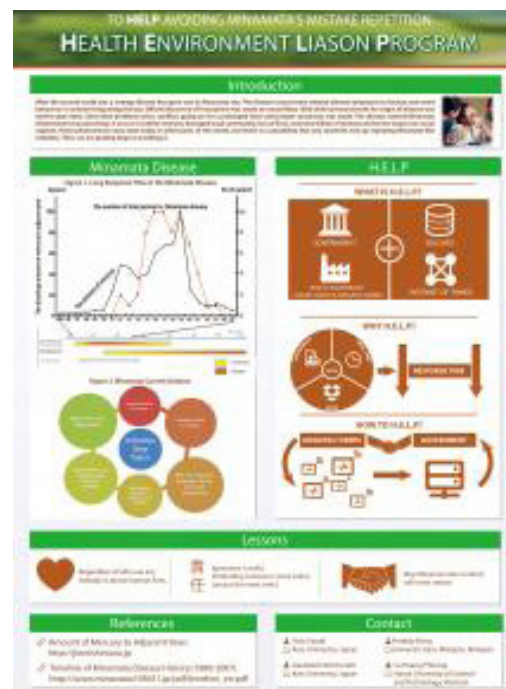
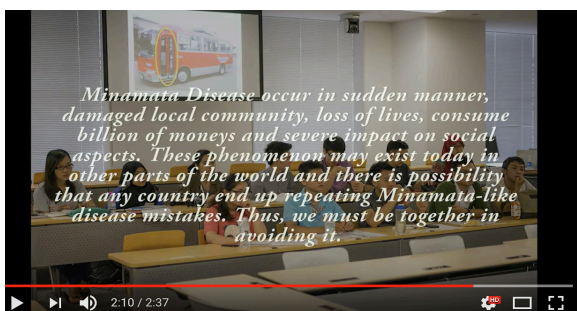
August 01st: Arriving in Japan
August 02nd~03rd: Pre Workshop, Japanese class (at Keio University)
August 04th: Visit the National Institute of Minamata Disease , etc.
August 05th: Field Observation, Visit to Minamata Disease Archives, Visit Eco-town, etc.
August 06th: Field Observation, Discussion with Related Personnel, etc.
August 07th: Final Presentation at the Minamata City Hall, Leaving from Japan
August 08th: Post Workshop (at Keio University)
August 09th: Final Presentation (at Keio University)
August 10th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- How can we avoid another Minamata-like severe disaster?
- How can we revitalize this region through eco-industrial activities including those making use of renewable energies?
- How can we revitalize this region through nature-based activities such as agriculture, eco-tourism?

PRESENTATION (Poster and Video) from WORKING GROUPS



Sanriku Fieldwork

Disaster Management and Security

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2014	2014/08/06- 2014/08/15	8 ASEAN / 4 KEIO STUDENTS	KEIO



Students go and capture with their own eyes what happened during Great East Japan Earthquake in March 2011 and its aftermath until today in 7 port cities in Sanriku area- the hardest hit area. And think about what we can do to prevent a similar disaster to happen in the face of overwhelming energy of the nature.



RESULTS

- Group Presentation
└ Held at Keio University (Aug 14th 2014)
- Poster/Video Presentation
└ Held at the 12nd EBA Open Seminar (Oct 1st 2014)

VOICE FROM THE PARTICIPANT

"After I attended this Fieldwork, I am starting to think about working in UN.
Because I want to help many people especially I want to educate people about disaster prevention around the world. "

Yogi Pamadya Suparman
Institut Teknologi Bandung

PROGRAM

August 06th: Arriving in Japan

August 07th~09th: Pre Workshop, Japanese class (at Keio University)

August 10th~11th: Field survey in Tanohata, etc.

August 12th: Group presentations in Ozuchi

August 13th: Post Workshop (at Keio University)

August 14th: Final Presentation (at Keio University)

August 15th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- What did you learn at this fieldwork?
- What to bring back to your home country?
- My / Our experience with natural disaster.

PRESENTATION (SLIDES, Video) from WORKING GROUPS



Fujiyoshida Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2014	2014/09/05- 2014/09/14	11 ASEAN / 4 KEIO STUDENTS	KEIO



Throughout the fieldwork, students have an opportunity to approach the study of environment from perspectives of both natural sciences and social sciences and will learn various surveying skills including how to plan and conduct a field survey, how to analyze collected data, and how to prepare a field report.



RESULTS

- Group Presentation

- └ Held at Fujiyoshida city (Sep 11th 2014)
- └ Held at Keio University (Sep 13th 2014)

- Poster/Video Presentation

- └ Held at the 12nd EBA Open Seminar (Oct 1st 2014)

VOICE FROM THE PARTICIPANT

"This fieldwork experience gives me a lot of knowledge.

For example, how to collect the data, how to make a good poster or good presentation which I can use this knowledge for my future career, as a petroleum engineer which I have to work on the platform and collect the data from worksite after that I have to present it to my supervisor to show the result."

SARAYUT ANOPAS
University of Chulalongkorn

PROGRAM

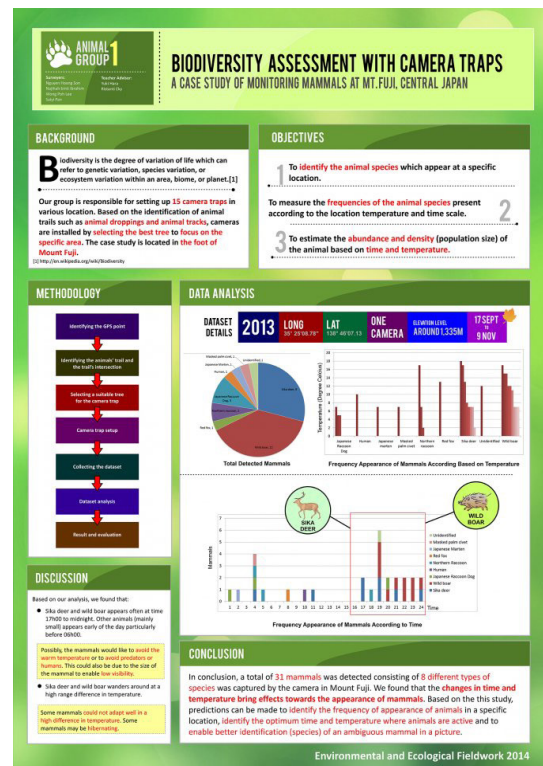
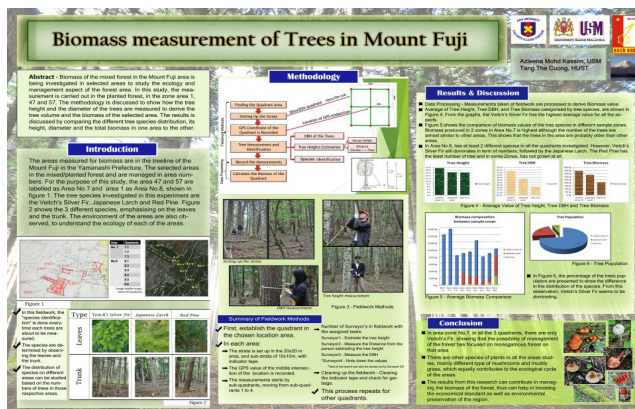
- September 05th: Arriving in Japan
- September 06th~08th: Pre Workshop (at Keio University)
- September 09th~10th: Field survey in Fujiyoshida City
- September 11th: Group oral presentations
- September 12th: Post Workshop (at Keio University)
- September 13th: Final Presentation (at Keio University)
- September 14th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- Quadrat sampling (such as method to record vegetation community types and method to measure tree height and DBH (Diameter at Breast Height) among others), mapping vegetation cover and calculating biomass energy.
- Monitoring mammals by camera traps.

PRESENTATION (Poster and Video) from WORKING GROUPS



Philippines Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2014	2014/11/30- 2014/12/09	8 ASEAN / 4 KEIO STUDENTS	UPD



Students learn basic methods and philosophy of “Evidence Based Approach” at the workshop before the fieldwork. After the workshop, students visit Itogon, Benguet, Philippines to expose the issues of the environment particularly on the degradation of surface water quality and challenges in the solid waste management for them to be an integral part of the solution as future leaders.



RESULTS

- Group Presentation

- └ Held at Baguio (Nov 07th 2014)
- └ Held at University of the Philippines Diliman (Nov 08th 2014)

VOICE FROM THE PARTICIPANT

"Though studying with ASEAN students, I noticed that we should study enthusiastically because some Japanese students go to the universities because they want to get credits. I thought I was studying hard rather than the other students but it is normal in ASEAN students because most of them cannot go to the universities. I could have opportunity to go there in my first year, so I strongly recommend the other students to go there."

Miho Nishida
Keio University

PROGRAM

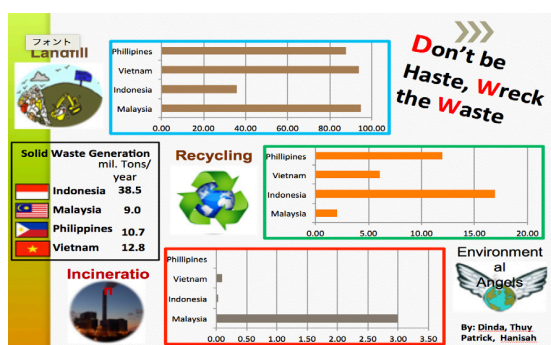
November 30th: Arriving in Philippines
December 01st~02nd: Pre Workshop (at University of the Philippines Diliman)
December 03rd: Visit a controlled dumpsite at Payatas, Quezon City
December 04th: Field survey in Itogon
December 05th: Field survey, Monitoring of Water Quality
December 06th: Field survey at Large Scale Mining Plant(PHILEX)
December 07th: Oral Presentation at Baguio
December 08th: Post Workshop, Final Presentation (at University of the Philippines Diliman)
December 09th: Leaving from Philippines

OUTPUTS

COVERED TOPICS

- Learn the issues in water quality degradation of rivers (surface waters) nearby mining sites where both small scale and large scale mining are located.
- Learn the issues in solid waste management.
- Propose possible solutions to these issues and address the challenges in the proposed solutions.

PRESENTATION (Poster and Video) from WORKING GROUPS



Malaysia Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2015	2015/06/06- 2015/06/15	8 ASEAN / 13 KEIO STUDENTS	USM



In Muka Head at the northwestern tip of Penang, the part of the Penang National Park, Students go and survey the marine biodiversity, to understand the role and function of certain organisms that live along the sandy beach as well as rocky shore.



RESULTS

- Group Presentation

— Held at CEMACS (June 13th 2015)

— Held at University of Science Malaysia (June 14th 2015)

- Poster/Video Presentation

— Held at 16th EBA Open Seminar (July 6th 2015)

VOICE FROM THE PARTICIPANT

"It will be big hints to think about south-east Asia in any areas.

The experience of having many discussions between students from ASEAN countries was a precious and important experience for me. I won't forget the difficulty to get to the conclusion and the great point of working together."

Heidi Hayashi
Keio University

PROGRAM

June 06th: Arriving at Penang Malaysia

June 07th~08th: Pre Workshop (at University of Science Malaysia)

June 09th: Visit NADI (National APEX Development Indicators Centre)

June 10th: Field survey at Penang, CEMACS (The Centre for Marine and Coastal Studies)

June 11th: Field survey at intertidal sandy beach diversity

June 12th: Field survey at Identification and sorting of marine organism, etc.

June 13th: Oral Presentation at CEMACS

June 14th: Post Workshop, Final Presentation (at University of Science Malaysia)

June 15th: Leaving from Penang Malaysia

OUTPUTS

COVERED TOPICS

- Create a poster / a video to address the assigned topics below by using the primary data you yourself collected at the field and secondary data sources that are available :
- Environmental impacts on biodiversity
- Structure on macrofauna
- Changes in Salinity and how it affects patterns of macrofauna
- Impacts of Tourism on Diversity

PRESENTATION (Poster and Video) from WORKING GROUPS



Business Fieldwork with NTT DATA

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2015	2015/07/28- 2015/08/04	7 ASEAN	KEIO



Bring the opportunity where EBA student can interact with academic-industrial researches and its related empirical studies on Energy Management and entrepreneurship



RESULTS

- Group Presentation

— Held at Keio University (Aug 3rd 2015)

VOICE FROM THE PARTICIPANT

"I recommend another student to follow this program because with this program we can improve our skill in speaking and telling our ideas to another. Speaking and telling ideas are very important. By following this program, we can know each other and know how another student/people look like."

Cakra Adipura Wicaksana
Institute of Technology Bandung

PROGRAM

July 28th: Arriving in Japan

July 29th: Pre Workshop, Japanese class (at Keio University)

July 30th~August 02nd: Hands on, Company visitations, etc.

August 03rd: Final Presentation (at Keio University)

August 04th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- To let students learn about the ongoing Big Data Project driven by Open Standard Technology and gain hands-on experience.
- Introduce the energy business innovation.
- Developing business model for energy management system.

PRESENTATION (Slides) from WORKING GROUPS

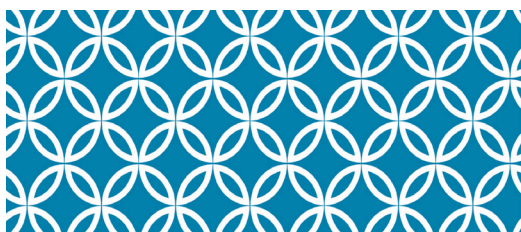
Health Monitoring

HAFIYAN PUTRA PRATAMA

Automatic Road Damage Detection and Twitter Analysis
Better results and cheaper ways in detecting road damage.



Hendy Irawan
Master's Electrical ITB
Revana Putri
Master's Civil ITB



**ACCIDENT DETECTION
USING TWITTER DATA**

"Prevent the traffic accident,
saves people's live as soon as
possible"



**Analysis Of Traffic Jam & Vehicle Accident
In Bandung Area Using Augmented Reality
On Android Device Based On Twitter Data**



Fathia Mohamad Fathilah Azhar
School of Electrical and Informatics Engineering
Institut Teknologi Bandung 2015



Minamata Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2015	2015/07/31- 2015/08/09	12 ASEAN / 9 KEIO STUDENTS	KEIO



Students learn the history of Minamata Disease through visits to associated facilities at Kumamoto city, Minamata city and interacting with local government officers, local residents. In addition, students develop ideas as to how to tackle similar environment problems in ASEAN and to promote local industries by observing local initiatives.



RESULTS

- Group Presentation
 - Held at Minamata city Hall (Aug 06th 2015)
 - Held at Keio University (Aug 08th 2015)
- Poster/Video Presentation
 - Held at 17th EBA Open Seminar (October 07th 2015)

VOICE FROM THE PARTICIPANT

"The fieldwork helped me to be more knowledgeable about scientific data gathering and be more creative in organizing, analysing and presenting data. The very nature of evidence-based approach is what I believe very important in decision-making in every organization. This is what I think the most important contribution of the fieldwork to all participants. Whether you work in the government, private or non-government sector, very decision should be backed-up with data."

Pepito Dizon
University of the Philippines Diliman

PROGRAM

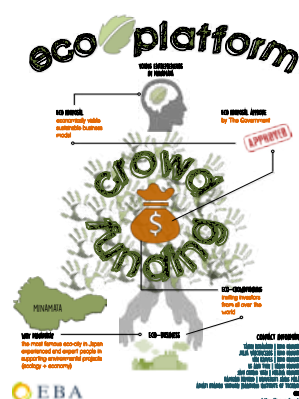
July 31th: Arriving in Japan
August 01st~02nd: Pre Workshop, Japanese class (at Keio University)
August 03rd: Visit Kumamoto Castle and Kumamoto City center etc.
August 04th: Field Observation, Visit Hotto House and Moyai-Kan (Re-knotting pavilion), etc.
August 05th: Field Observation, Visit Minamata Disease Archives, etc.
August 06th: Presentation at the Minamata City Hall
August 07th: Post Workshop (at Keio University)
August 08th: Final Presentation (at Keio University)
August 09th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- What is the future vision of Minamata?
- What does Minamata focus on?
- What can do for Minamata?

PRESENTATION (Poster and Video) from WORKING GROUPS



Vietnam Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2015	2015/08/18- 2015/08/27	7 ASEAN / 14 KEIO STUDENTS	HUST/KEIO



The theme of the fieldwork is "Agent Orange/Dioxin issue and its lingering consequences from Vietnam War (1961-1975)".

The fieldwork approaches the issue of Agent Orange/Dioxin in Vietnam from two perspectives: public health and environment.



RESULTS

- Group Presentation

— Held at Hanoi University of Science and Technology
(Aug 26th 2015)

- Poster/Video Presentation

— Held at 17th EBA Open Seminar (October 07th 2015)

VOICE FROM THE PARTICIPANT

"Although the theme of this fieldwork was not directly related to my major, what I learned in the fieldwork such as the way of thinking and the culture in Vietnam will definitely enrich my life. I especially recommend this program to those who hope to engage in scientific research since such people usually have few chances to get involved in research on social science. "

Hayato Takakura
Keio University

PROGRAM

August 18th: Arriving at Hanoi

August 19th~20th: Pre Workshop, Local language class (at Hanoi University of Science and Technology)

August 21th: Leave for Phu Cat (Binh Dinh), Visit AO victim families

August 22th: Dioxin exposed areas Visit and observe farming activities etc.

August 23th: Visit and engage in Dream Class Activities (for Handicapped children)

August 24th~25th: Post Workshop (at Hanoi University of Science and Technology)

August 26th: Final Presentation (at Hanoi University of Science and Technology)

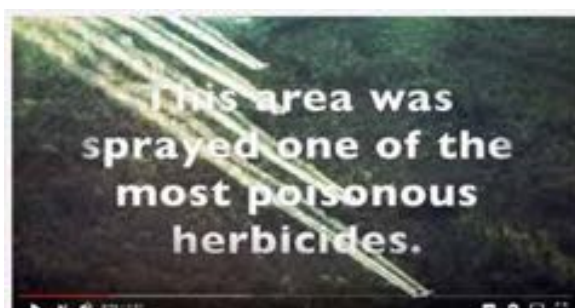
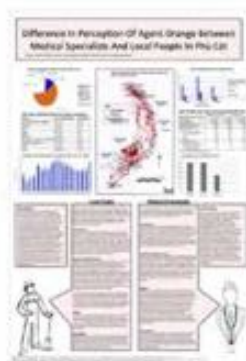
August 27th: Leaving from Hanoi

OUTPUTS

COVERED TOPICS

- How does the local community see the Agent Orange issue and how do they face it?
- Choose a target group for your research:
 - Farmers
 - Parents
 - Volunteer teachers
 - Health Specialists

PRESENTATION (Poster and Video) from WORKING GROUPS



Fujiyoshida Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2015	2015/09/14- 2015/09/23	12 ASEAN / 1 KEIO STUDENTS	KEIO



Throughout the fieldwork, students have an opportunity to approach the study of environment from perspectives of both natural sciences and social sciences and will learn various surveying skills including how to plan and conduct a field survey, how to analyze collected data, and how to prepare a field report.



RESULTS

- Group Presentation

└ Held at Fujiyoshida city (Sept 20th 2015)
└ Held at Keio University (Sept 22th 2015)

- Poster/Video Presentation

└ Held at the 17th EBA Open Seminar
(October 07th 2015)

VOICE FROM THE PARTICIPANT

"Thank to this program, I did learn a lot. First, it is our good-hearted SEA friends. Despite of different backgrounds, we have good time together. Second, the Fujiyoshida work gives me a close view on the environment and ecology of this area. Last but not least, I understand more about EBA which could helps my future career."

Dung Nghiem Nguyen Vie
Hanoi University of Science and Technology

PROGRAM

September 14th: Arriving in Japan

September 15th~17th: Pre Workshop, Japanese class (at Keio University)

September 18th~19th: Field survey in Fujiyoshida City

September 20th: Group oral presentations

September 21th: Post Workshop (at Keio University)

September 22th: Final Presentation (at Keio University)

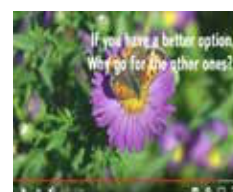
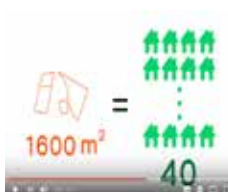
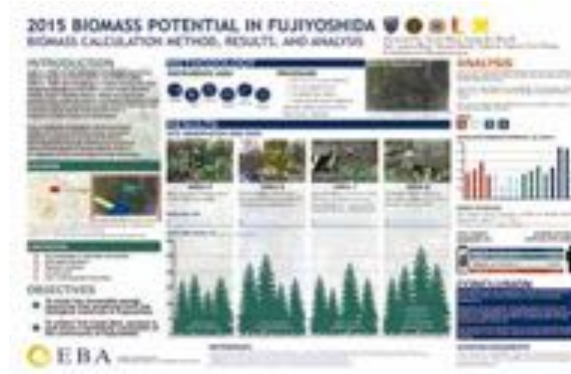
September 23th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- Quadrat sampling (such as method to record vegetation community types and method to measure tree height and DBH (Diameter at Breast Height) among others), mapping vegetation cover and calculating biomass energy.
- Monitoring mammals by camera traps.

PRESENTATION (Poster and Video) from WORKING GROUPS



Indonesia Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2015	2015/12/13- 2015/12/22	9 ASEAN / 8 KEIO STUDENTS	ITB



The theme of the fieldwork is “The practices on Water Resources Management in a Gradient Polluted Strategic River of Citarum River of West Java Province, Indonesia”. The purpose of this fieldwork is shaping students who have the capacity to: Explain and discuss the current situation in the use and management of water in Citarum River Basin.



RESULTS

- Group Presentation

— Held at Institut Teknologi Bandung (Dec 21th 2015)

- Poster/Video Presentation

— Held at 21st EBA Open Seminar (March 09th 2016)

VOICE FROM THE PARTICIPANT

"I got very good experience in this program. So, I want to recommend other students.

If you join this program, you will change new man. If you want to change, you should join! This program will give you good thing!"

Akira Oto
Keio University

PROGRAM

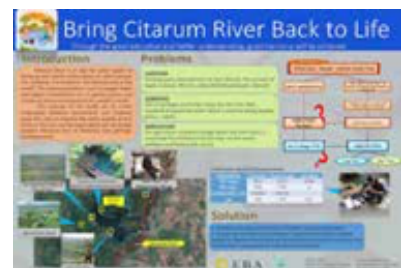
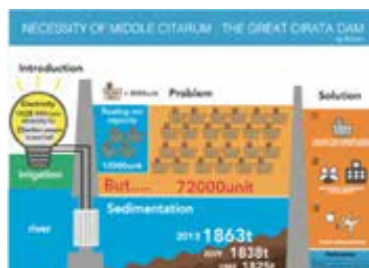
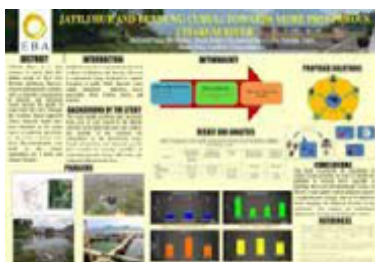
December 13th: Arriving at Bandung Indonesia
December 14th~16th: Pre Workshop (at Institut Teknologi Bandung)
December 17th: Field survey at Upperstream of Citarum RB (Cisanti Lake)
December 18th: Field survey at Middle part of Citarum RB (Saguling and Cirata Dams)
December 19th: Field survey at Downstream of Citarum RB (Jatiluhur Dam)
December 20th: Post workshop (at Institut Teknologi Bandung)
December 21th: Final Presentation (at Institut Teknologi Bandung)
December 22th: Leaving from Bandung Indonesia

OUTPUTS

COVERED TOPICS

- The purpose of this fieldwork is shaping students who have the capacity to:
- Explain and discuss the current situation in the use and management of water in Citarum River Basin.
- Discuss the role of central and local governments, NGOs, the private sector and local residents, and their initiatives for sustainable use and management of water in this area.
- Evaluating the results of the analysis of data and information that is collected in the work field.
- Set a target of group through discussion within the group based on the data and information collected in the field.
- Prepare a directing plan to be presented. Evaluating the plan that has been presented.

PRESENTATION (Poster and Video) from WORKING GROUPS



Thailand Fieldwork

Disaster Management and Security

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/01/08- 2016/01/17	10 ASEAN / 6 KEIO STUDENTS	CHULA



At the CU-GISTDA (Geo-Informatics and Space Technology Development Agency), Students challenges with various learning activities designed to guide them through the life-cycle of big data, from understanding data, data collection, data pre-processing, data analysis, to data visualization. Students learn how big data differs from traditional data in terms of its complexity and treatment, and get to experience first-hand how big data is used to manage flooding risk, which is the most frequent natural disaster in Thailand.



RESULTS

- Group Presentation

— Held at Chulalongkorn University (Jan 16th 2016)

- Poster/Video Presentation

— Held at 21st EBA Open Seminar (March 09th 2016)

VOICE FROM THE PARTICIPANT

"As the amount and variety of data is increasingly dramatically, it is getting difficult to collect and analyse it all. However, big data can be applied for natural disaster management and make our lives safe. Therefore, it can be said that it is one of the most important factor for our daily lives."

Kengo Hosaka
Keio University

PROGRAM

January 08th: Arriving at Thailand

January 09th~10th: Pre workshop, Thai language class (at Chulalongkorn University)

January 11th~15th: Field survey at GISTDA

January 16th: Post workshop, Final Presentation (at Chulalongkorn University)

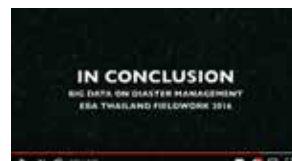
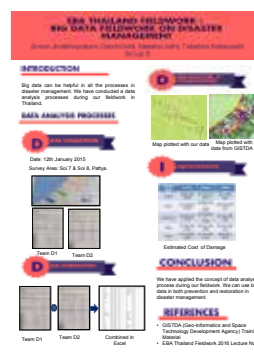
January 17th: Leaving from Thailand

OUTPUTS

COVERED TOPICS

- Overview of disaster management using GIS technology.
- Types of disaster, and types of data needed for managing each type of disaster.
- Data collection methods and tools for flooding disaster.
- Data importing (pre-processing) methods and tools for flooding disaster.
- Data analysis methods and tools for flooding disaster.
- Big data approach.

PRESENTATION (Poster and Video) from WORKING GROUPS



Data Management & Energy Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/1/11- 2016/1/19	5 ASEAN STUDENTS	KEIO



Data Management and Energy Fieldwork aims to introduce students how big data collection, analysis, and visualization is applied in real business world. Moreover, students have a rare opportunity to interact with Japanese company representatives, professors and researchers who actively create innovation in Telecommunication infrastructure and Energy Management Industry, as balancing demand and supply of energy is now a global issue, and waiting to be solved.



RESULTS

- Group Presentation

— Held at Keio University (Jan 18th 2016)

VOICE FROM THE PARTICIPANT

"The fieldwork had influenced me to plan on study more about energy in the future, and if possible, work on the field after I graduated. Also, if any chances, working in Japan had become one of my choices also."

Klaijan Sintepadon
Chulalongkorn University

PROGRAM

January 9th~10th: Pre workshop (at Remotely)
January 11th: Arriving in Japan
January 12th: Pre Workshop, Japanese class (at Keio University)
January 13th~17th: Hands on, Company visitations, etc.
January 18th: Final Presentation (at Keio University)
January 19th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- To introduce participants to the energy business innovation.
- To provide participants with hand-on experience on developing business model for energy management system.

PRESENTATION (Poster, Slides and Video) from WORKING GROUPS



Malaysia Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/02/07- 2016/02/16	8 ASEAN / 10 KEIO STUDENTS	UM



The theme of the fieldwork is "Transforming Malaysian Batik SME (Small Medium Enterprise) towards sustainable approach: Application of cleaner technology for Batik SME."



RESULTS

- Group Presentation

└ Held at University of Malaya (Feb 15th 2016)

- Poster/Video Presentation

└ Held at 21st EBA Open Seminar (March 09th 2016)

VOICE FROM THE PARTICIPANT

"Interacting with and hearing the voice of local people is not something we can do this much when we go to overseas by ourselves. EBA program was giving us chance to communicate with not only students from other Asian countries but also with many of local Malaysian people. I think this program could be also a great opportunity for improving English skills."

Kyoko Usui
Keio University

PROGRAM

February 07th: Arriving in Malaysia

February 08th~09th: Pre workshop, Language class (at University of Malaya)

February 10th~13th: Field survey at Kota Bharu

Visit Anas Batik (Sodium silicate machine and air blower machine),

Dagang Batikraf Sdn. Bhd. – wastewater treatment system, etc.

February 14th: Post workshop (at University of Malaya)

February 15th: Final Presentation (at University of Malaya)

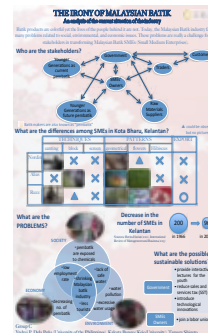
February 16th: Leaving from Malaysia

OUTPUTS

COVERED TOPICS

- Discuss current situation and recognise the problem of batik SME (Small Medium Enterprise) .
- Identify and discuss the role of stakeholders involved in batik SME and their initiatives for sustainable practices and management of Batik SME.
- Evaluate the results of the analysis of data gathered during fieldwork.
- Conduct focus group discussion.
- Prepare action plan to help solve the problem face by batik makers.
- Evaluate the action plan.

PRESENTATION (Poster and Video) from WORKING GROUPS



IT Fieldwork in Japan

Data Analysis in Online Learning

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/03/06- 2016/03/15	16 ASEAN / 6 KEIO STUDENTS	KEIO



In order to improve the interactions between teachers and students and encourage student's engagement in online classes, students design own online learning platform using evidence-based approach.



RESULTS

- Group Presentation

— Held at Keio University (Mar 14th 2016)

- Poster/Video Presentation

— Held at 22nd EBA Open Seminar (April 05th 2016)

VOICE FROM THE PARTICIPANT

"How to teach and interaction inside the class are most influenced thing for me. I will try to implement what I get from here while I am become teacher or lecturer. And how EBA made experiment to proof something is also a thing that I should tell and implement in Indonesia."

Hanif Kuncahyo Adil
University Brawijaya

PROGRAM

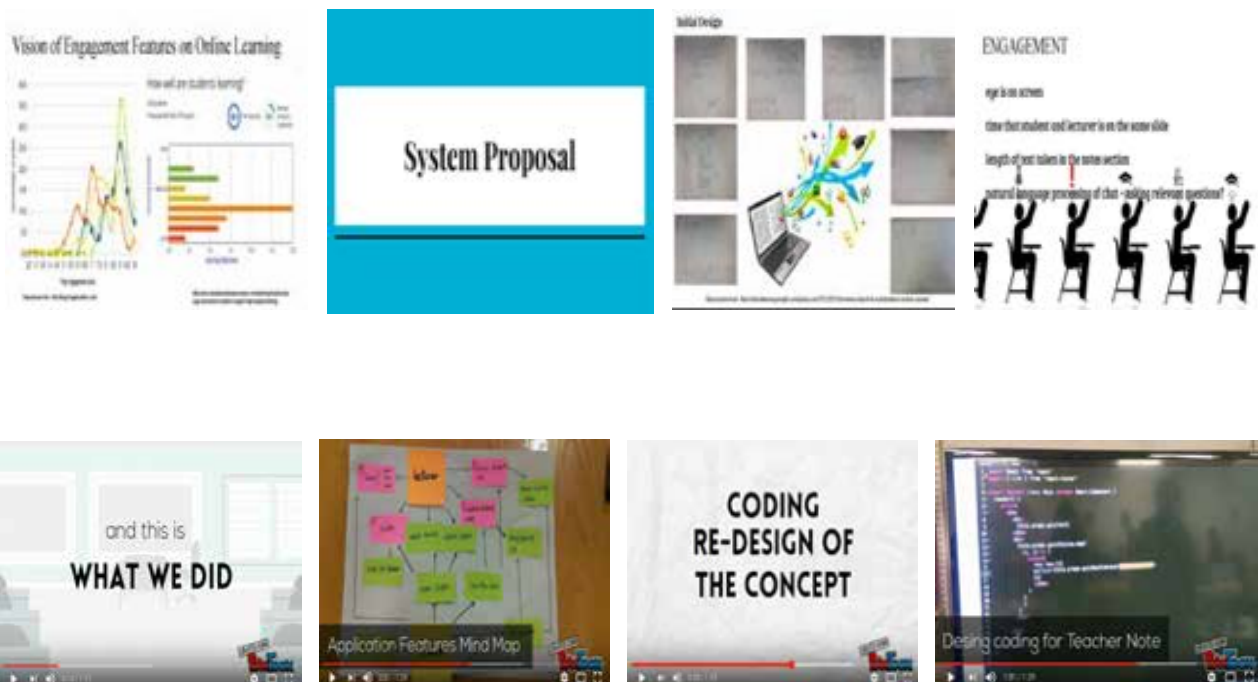
March 06th: Arriving in Japan
March 07th: Pre workshop, Language class (at Keio University)
March 09th~ 13th: Hands on, Company visitations, etc.
March 14th: Final Presentation (at Keio University)
March 15th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- To train students in collecting and then analyzing data of online-learning users' behaviors during the class.
- To help the students design a better online learning web platform based on the result of the data analysis.
- Present their works, including the analytics dashboards and their processes.

PRESENTATION (Slides and Video) from WORKING GROUPS



Sanriku Fieldwork

Disaster Management and Security

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/03/08- 2016/03/17	12 ASEAN / 6 KEIO STUDENTS	KEIO



Students go and capture with their own eyes what happened during Great East Japan Earthquake in March 2011 and its aftermath until today in 7 port cities in Sanriku area- the hardest hit area. And think about what we can do to prevent a similar disaster to happen in the face of overwhelming energy of the nature.



RESULTS

- Group Presentation
 - Held at Keio University (Mar 16th 2016)
- Poster/Video Presentation
 - Held at 22nd EBA Open Seminar (April 05th 2016)

VOICE FROM THE PARTICIPANT

"As an engineer, this program challenged me to think innovatively in order to invent a product that could be used in disaster area. Besides that, I will remember how this experience teaches me a lot about using evidence-based-approach technique to look for root cause of a problem by seeing the reality in the end customer. Last but not least, I believe disaster could happen in everywhere in anytime. I will remember every important message from survival of Great East Japan EQ and every learning from Bosai center to keep influencing my society to be aware about studying Disaster Prevention."

Robert
Institut Teknologi Bandung

PROGRAM

March 08th: Arriving in Japan
March 09th~10th: Pre Workshop, Japanese class (at Keio University)
March 11th: Pray for the victims of Great East Earthquake 2011 at Kesennuma/Ofunato
March 12th: Field survey, Visit sea wall from Rikuzentakata to Kesennuma, etc
March 13th: Field survey at Onagawa, Yuriage
March 14th~15th: Post Workshop (at Keio University)
March 16th: Final Presentation (at Keio University)
March 17th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- Think and discuss the effective ways of how to protect lives from future disasters and especially to reexamine the role of concrete high sea walls in disaster management.

PRESENTATION (SLIDES, Video) from WORKING GROUPS



Introduction

What is Earthquake and how it causes tsunami?
 The Great East Japan Earthquake and Tsunami that followed it.
 One of the biggest earthquakes occurred.
 Describes power of the tsunami.
Conclusion:
 Bosa education is BPOF (Bosa Protection Officer)!

About Bosa Education

- Bosa makes you part of the solution
 - Disaster prevention and disaster management
- From elementary to high school (age 7 to 18)
 - Learning about the history, safety, and physical education
 - Exam values and human resources (working and living during disasters)
- Disaster education as risk education and education
 - For people who, business and education are proper to mitigate damage
 - Close (supporting and help) (disaster or high impact) communication plan. A lot of science communication makes up the disaster management effort

Solutions

- Remembering 3.11 and raising awareness
 - Remembrance
 - Memorial service
 - Disaster buildings
 - Re-examining the disaster buildings
- Bosa Education
 - Making disaster education into mandatory for everyone
 - Creating an effective education in the case of an earthquake and tsunami (better ways of communicating)
 - Role of the school
 - Improvement of education
 - Making Bosa education a part of school education system

Conclusion

- "What responsibility anything will you bring back to your country?"
 - Tying the very strong character feature of this place into action into the disaster
 - About Disaster Prevention, education and BPOF system
 - Risk factor education
 - Learn Disaster plan and disaster more easily
 - Please Remember 3.11 and passing it on to never repeat the disaster again
- Importance of Bosa Education
 - Bosa education is to learn the importance of your own life and protecting it
 - Bosa education (both knowledge and physical training) learning is one of the most important things to protect lives from natural disaster
 - Knowledge is the strength. Having an extra lesson in sufficient knowledge and learning from disaster is important
 - Bosa education and the 3.11 Disaster needs to be passed on to future generations, to us



Independent Fieldwork

Energy and Environment/Health and Environment/Disaster and Security

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	In Spring Vacation	14 KEIO STUDENTS	KEIO



Fieldwork is one important content of Practical courses in EBA Curriculum program. In addition to designing fieldwork programs both in Japan and in ASEAN countries for students, EBA also extends our support to Independent Fieldworks designed by students from Keio University. Eligible candidates must prove their research interest in areas of "Energy and Environment", "Health and Environment", "Disaster and Security" and desire to conduct a fieldwork in ASEAN countries to pursuit their interest.



RESULTS

- Group Presentation
 - Held at EBA partner countries
- Poster/Video Presentation
 - Held at 22nd EBA Open Seminar (April 05th 2016)

VOICE FROM THE PARTICIPANT

"Definitely this independent fieldwork was a great experience, I would be able exchange information with different Malaysian people and learned in loco about their reality. It is important to emphasize that during my workshop, 100% of the students showed interesting in learn more about investments, they believe that have a healthy financial life is the first step to keep a high quality of life. So, maybe, their lack of knowledge comes from a lack of opportunities and information about the subject more than a lack of interesting."

Marcel Ferragi (Fieldwork at USM)
Keio University

PROGRAM

University of Science Malaysia : 1 student

Institute of Technology Bandung: 1 student

University of The Philippines Diliman: 1student

Chulalongkorn University: 2 students

Hanoi University of Science and Technology & Keio University: 9 students

OUTPUTS

COVERED TOPICS

- Produce a thick set of first-hand data from fieldwork and put the data collected in a perspective.

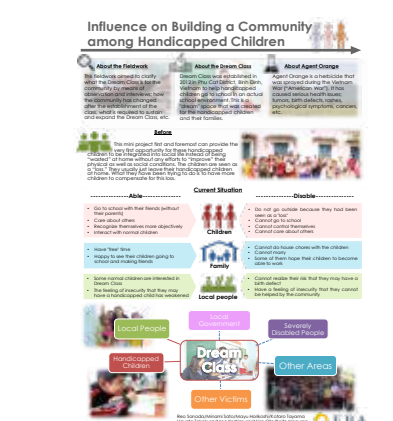
PRESENTATION (SLIDES, Video) from WORKING GROUPS



Children Poverty in Manila

Daichi Ishii
Keio University SFC
PM 71500574

Daichi Ishii
Keio University SFC
PM 71500574



Philippines Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/06/12- 2016/06/21	9 ASEAN / 9 KEIO STUDENTS	UPD



Students learn basic methods and philosophy of “Evidence Based Approach” at the workshop before the fieldwork. After the workshop, students visit Itogon, Benguet, Philippines to expose the issues of the environment particularly on the degradation of surface water quality and challenges in the solid waste management for them to be an integral part of the solution as future leaders.



RESULTS

- Group Presentation

— Held at University of the Philippines Diliman
(June 20th 2016)

- Poster/Video Presentation

— Held at 24th EBA Open Seminar (June 29th 2016)

VOICE FROM THE PARTICIPANT

"This EBA Philippines fieldwork is great platform not only for learning but also building new friends network counter paths. "

Sirimalla Shyam Sunder
Keio University

PROGRAM

June 12th: Arriving in Philippines

June 13th~15th: Pre Workshop (at University of the Philippines Diliman)

June 16th~18th: Visit to a controlled dumpsite at Payatas, Quezon City

June 19th: Post Workshop (at University of the Philippines Diliman)

June 20th: Final Presentation (at University of the Philippines Diliman)

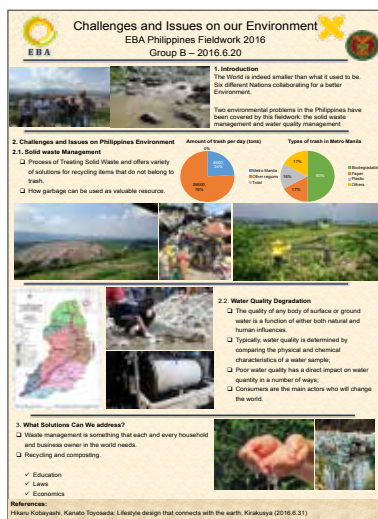
June 21th: Leaving from Philippines

OUTPUTS

COVERED TOPICS

- Learn the issues in water quality degradation of rivers (surface waters) nearby mining sites where both small scale and large scale mining are located.
- Learn the issues in solid waste management.
- Propose possible solutions to these issues and address the challenges in the proposed solutions.

PRESENTATION (Poster and Video) from WORKING GROUPS



Minamata Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/07/29- 2016/08/07	13 ASEAN / 8 KEIO STUDENTS	KEIO



Students learn the history of Minamata Disease through visits to associated facilities at Kumamoto city, Minamata city and interacting with local government officers, local residents. In addition, students develop ideas as to how to tackle similar environment problems in ASEAN and to promote local industries by observing local initiatives.



RESULTS

- Group Presentation

— Held at Minamata city Hall (Aug 05th 2016)

— Held at Keio University (Aug 06th 2016)

- Poster/Video Presentation

— Held at 26th EBA Open Seminar (Sept 14th 2016)

VOICE FROM THE PARTICIPANT

"This program gathers the future minds/leaders from every nation which i find very important. I have a trust that this program is a handshake gesture for every participating country which hopefully reinvigorates the inter-cultural harmonization and takes the international synergistic relationship to a whole new level. "

Rldgwan Welfred
University of Malaya

PROGRAM

July 29th: Arriving in Japan
 July 30th~31th: Pre Workshop, Japanese class (at Keio University)
 August 01st: Visit the National Institute of Minamata Disease , etc.
 August 02nd: Field Observation, Visit Eco-Town, etc.
 August 03rd: Field Observation, Visit Minamata Disease Archives, etc.
 August 04th: Field Observation with Minamata High school students
 August 05th: Presentation at the Minamata City Hall
 August 06th: Post Workshop, Final Presentation (at Keio University)
 August 07th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- What is the future vision of Minamata?
- What does Minamata focus on?
- What can do for Minamata? (to revitalize the Minamata city.)

PRESENTATION (Poster and Video) from WORKING GROUPS



Vietnam Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/08/17- 2016/08/26	17 KEIO STUDENTS	KEIO



The theme of the fieldwork is “Agent Orange/Dioxin issue and its lingering consequences from Vietnam War (1961-1975)”.

The fieldwork approaches the issue of Agent Orange/Dioxin in Vietnam from two perspectives: public health and environment.



RESULTS

- Group Presentation

└ Held at Phu Cat (August 25th 2016)

- Poster/Video Presentation

└ Held at 26th EBA Open Seminar (Sept 14th 2016)

VOICE FROM THE PARTICIPANT

"I strongly recommend this EBA Fieldwork.

The reason is that this program changed my sense of values and stereotype."

Shiori Nishimura
Keio University

PROGRAM

July 30th: Pre Workshop (at Keio University)

August 17th: Arriving at Hanoi

August 18th: Leave for Phu Cat (Binh Dinh), Visit AO victim families, school

August 19th~24th: Field Survey at Phu Cat

August 25th: Final Presentation at Phu Cat

August 26th: Leaving from Hanoi

OUTPUTS

COVERED TOPICS

- Who are the main “agent” of change for better (for whom)?
- What do you wish to change and your role in it?
- Why are we still so preoccupied with what WE can do for them?
- How can we help them -- the children, their family members and local residents - find what THEY can do?
- What is the larger problem which is “represented” by Dream Class, the handicapped children, their families, and local residents?

PRESENTATION (Poster and Video) from WORKING GROUPS

Dream Class Project

Agent Orange
Agent Orange is the herbicide which was spread during Vietnamese War. This toxic chemical affected lots of people in Vietnam and American veterans and caused to serious health damage.
(Ex) Head Disease, Down's Syndrome, Cerebral Palsy

Phu Cat in Vietnam
Phu Cat is in Binh Dinh district, Southern countryside of Vietnam. During Vietnamese War, the US combat operated the Operation Ranch Hand because they doubted that there were lots of Guerrilla soldiers hiding in forests. According to our survey, it turns out that there are 1.8 handicapped children per household in this area.

Handicapped Children in VN
Usually, handicapped child spends most of higher time inside the house and does not have enough chance to come across people outside.

Establishment of Dream Class
Dr. Umeoka, who went to Phu Cat for observation from 2000, thought whether there were anything he could do for those handicapped children. To give them a place to get together and make friends with each other, he launched "Dream Class Project" in 2012.

Dream Class
Feb. 2012

- At local school on Sunday
- Real classroom environment
- Volunteer teachers
- Cooperation with Red Cross, Doctors, Staff of local Clinic
- Activity

The Aim of Dream Class
Our aim is not to give handicapped children education or work training. The space is to invite their first step to start being part of the society. We think the important thing is to make a space where handicapped children can gather and spend their time together.
Our very important concept is "Not Normalise, But Socialise."
We do not try to make handicapped children behave like other children. We respect and spot their personality and ability.
In Dream Class, some students start to try new things like drawing by themselves. Also the other students become more socialized and make a lot of friends with each other. To promote these kind of changes, we keep and expand Dream Class Project.

who are affected by Agent Orange.

There are some changes of the things they can do.

Dream Class is not place only for education.

AGENT ORANGE

Agent Orange is a herbicide that was sprayed during the Vietnam War from 1961 to 1971. It caused serious health problems, such as birth defects, cancer, neurological diseases, diabetes, etc.

DREAM CLASS
Dream Class was established in 2012 in Phu Cat district, Binh Dinh, Vietnam to help handicapped children and to provide a social school environment. The "Agent Orange" area that was created for the handicapped children and their families.

Kotaro Tajima / Mico Yoshimura / Yu Sakamoto / Masaki Nakamura / Shiori Nishimura / Akagi Ota / Masashi Takayama / Mikio Nomura / Le Thanh Anh Thia / Minh Giang

ISSUES
The different needs of handicapped children and their parents.
The capabilities of children are also different.
Dream class has some limitations.

PROPOSALS
1 STUDY ENVIRONMENT
Study environment is a place where handicapped children can gather and spend their time together. It is a place where they can learn and grow up. It is a place where they can be part of the society.

2 TEACHER AND FAMILIES
Teacher and families are important for handicapped children. They can help them to learn and grow up. They can be part of the society.

LET'S SUPPORT DREAM CLASS
LET'S SUPPORT THE CHILDREN

REFERENCES
EBA Website
Agent Orange Record Book
Local Project Committee of Phu Cat

EBA EBA Consortium

handicapped child get a new community

How about sharing parents' experience and anxiety?

Let handicapped children be members of Phu Cat's community

closed family unit → our idea → new family network

Q: who will take care of him?

burden on family
limited support
no info & experience sharing
anxiety for the future

parental spending
family day
handicap argument
medical factors

get support from other family
create new space for family
info & experience sharing
less anxiety

local community
network of parents
in Dream class
family

no idea of asking others for help

no very first step for bringing each family gradually into local community

Changhwa Deng, Mitsuru Sato, Hiroshi Hayashi, Ryo Saito, Tetsuya Hayashi, Seta Saito, Ryo Honda, Erika Nakai, Chieko Nakamura, Toshiyuki Kato, Hideo Nagata, Eiko, Hideo Pham.

EBA

Crowdfunding

READY FOR?

What is "Crowdfunding"?
Collecting money through the Internet to make the dream come true.

Ready for dream class project?

What we can do
people in Phu cat need more support to establish Dream Class2, support volunteer teachers, their family and so on.

Our Goal
To make Dream Class project more known
To expand the support network
To make the research project "sustainable" especially in the areas where financial resources are poor

Our challenge
achieve the challenge
collect 760 like button on Facebook
collect ¥855,000 yen
66 people support our project

Tsuruoka Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/08/18- 2016/08/27	12 ASEAN / 1 KEIO STUDENTS	KEIO



Biodiversity is one of the features of dynamic ecosystems, and recent advances in genetics have revealed that organisms not only differ from each other at the species level, but that individuals within a population also differ slightly from one another at the genetic level. During this fieldwork, students explore both levels of biodiversity; at the ecosystems level through the collection and identification of natural micro-organisms present in their surroundings, and at the species level through experimental & computational analysis of DNA sequences..



RESULTS

- Group Presentation

└ Held at Tsuruoka (Aug 24th 2016)

└ Held at Keio University (Aug 26th 2016)

- Poster/Video Presentation

└ Held at 26th EBA Open Seminar (Sept 14th 2016)

VOICE FROM THE PARTICIPANT

"The program provided me needed skills to improve myself at both work and personal life.

It was also very memorable with friends from different cultures and nationalities."

Vu Tuan Dat

Hanoi University of Science and Technology

PROGRAM

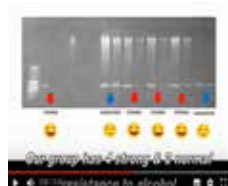
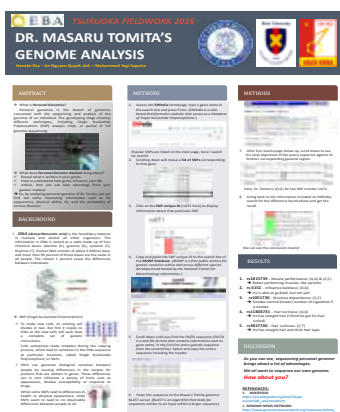
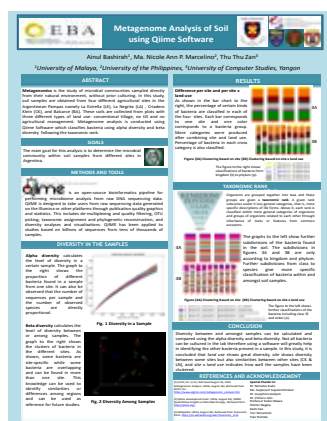
August 18th: Arriving in Japan
August 19th~20th: Pre Workshop, Japanese class (at Keio University)
August 21th: Field Survey at Tsuruoka
August 22th~23th: Lab Activity at Tsuruoka (DNA Analysis DNA Sample, Extraction, etc.)
August 24th: Presentation at Tsuruoka
August 25th: Post Workshop (at Keio University)
August 26th: Final Presentation (at Keio University)
August 27th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- "Metagenome": biotechnology to study the diversity of micro-organism
- "Personal Genome": ethical considerations of human DNA sequencing and impact on healthcare
- Ideas & Solutions for "Human Genome Sequencing"
- Promote equal access
- Mental care/follow-up customers who have "bad" mutations
- Health insurance/privacy

PRESENTATION (Poster and Video) from WORKING GROUPS



Malaysia Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/08/25- 2016/09/03	11 ASEAN / 11 KEIO STUDENTS	USM



The Orang Asli (OA) are the indigenous minority peoples of Peninsular Malaysia. Being a minority group their wellbeing and social-economics status is among the lowest in the country. Students have firsthand experience in interacting with the local OA community to gather data/information on specific issues, and students discuss the effective ways of how to improve the livelihood of the local OA community based on the collected and analyzed data.



RESULTS

- Group Presentation

└ Held at the Orang Asli Tangkai (Aug 30th 2016)
└ Held at University of Science Malaysia (Sept 2nd 2016)

- Poster/Video Presentation

└ Held at 26th EBA Open Seminar (Sept 14th 2016)

VOICE FROM THE PARTICIPANT

"This EBA Fieldwork program will be hard for various aspects, such as culture differences and food...

But keep being opened mind then it will help you to surpass these difficulties."

Taisei Kobayashi
Keio University

PROGRAM

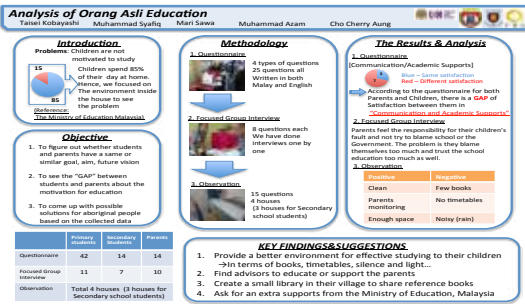
August 25th: Arriving at Penang Malaysia
August 26th~27th: Pre Workshop (at University of Science Malaysia)
August 28th: Field survey at Kampung Gajah, Perak
August 29th: Field survey (at the Orang Asli Tangkai Cermin Village, Perak)
August 30th: Presentation (at the Orang Asli Tangkai Cermin Village, Perak)
August 31th: Attend National Day Carnival at the Orang Asli Tangkai
September 01st: Post Workshop (at University of Science Malaysia)
September 02nd: Final Presentation (at University of Science Malaysia)
September 03rd: Leaving from Penang Malaysia

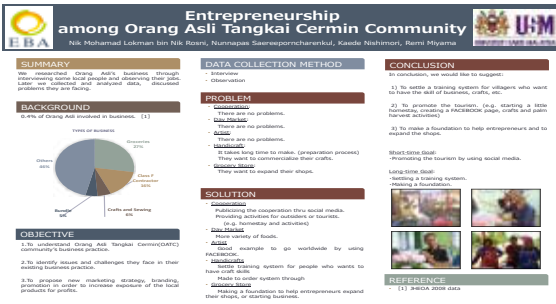
OUTPUTS


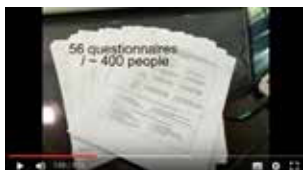
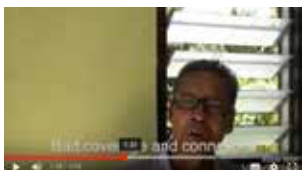
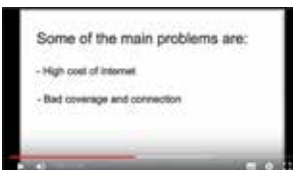
COVERED TOPICS





- To provide a good opportunity of having the firsthand experience in interacting with the local OA community to gather data/information on specific issues;
1) Education 2) Entrepreneurship 3) Sustainable environment
4) Preservation of local knowledge and heritage 5) ICT communication info-structure of the community
- To think and discuss the effective ways of how to improve the livelihood of the local OA community based on the collected and analyzed data.
- To provide recommendations for the village administrative entity to plan or reinforce the recommendation to improve the progress of OA socio-economic status.

PRESENTATION (Poster and Video) from WORKING GROUPS





Fujiyoshida Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/08/27- 2016/09/05	12 ASEAN / 2 KEIO STUDENTS	KEIO



Throughout the fieldwork, students have an opportunity to approach the study of environment from perspectives of both natural sciences and social sciences and will learn various surveying skills including how to plan and conduct a field survey, how to analyze collected data, and how to prepare a field report.



RESULTS

- Group Presentation
 - Held at Fujiyoshida city (Sept 2nd 2016)
 - Held at Keio University (Sept 4th 2016)
- Poster/Video Presentation
 - Held at 26th EBA Open Seminar (Sept 14th 2016)

VOICE FROM THE PARTICIPANT

"This program gives me an opportunity to study the lives of mammals and plants, and the collection of data and the analysis of these data with the use of formulas."

Mi Khine Oo
University of Computer Studies, Yangon

PROGRAM

August 27th: Arriving in Japan

August 28th~30th: Pre Workshop, Japanese class (at Keio University)

September 01st: Field survey in Fujiyoshida City

September 02nd: Group oral presentations

September 03rd: Post Workshop (at Keio University)

September 04th: Final Presentation (at Keio University)

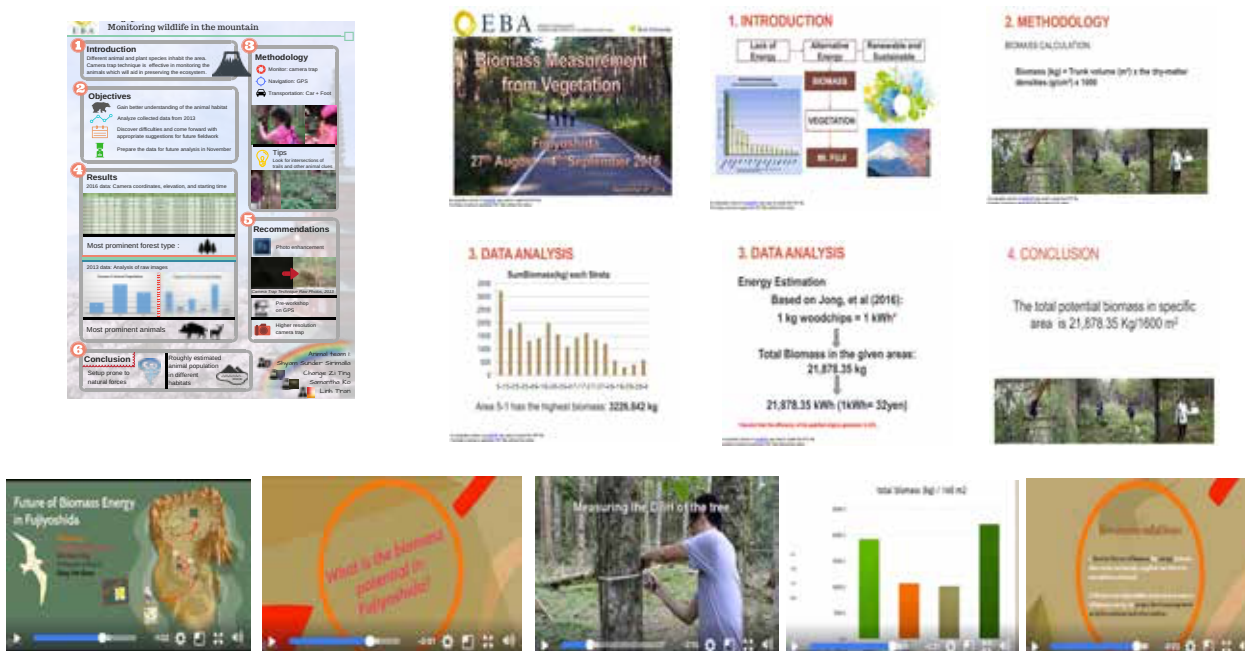
September 05th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- Quadrat sampling (such as method to record vegetation community types and method to measure tree height and DBH (Diameter at Breast Height) among others), mapping vegetation cover and calculating biomass energy; and
- Monitoring mammals by camera traps.

PRESENTATION (Poster, Slides and Video) from WORKING GROUPS



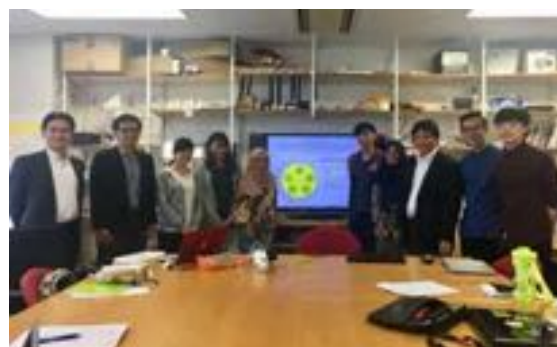
Data Management & Energy Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2016	2016/10/10- 2016/10/19	8 ASEAN	KEIO



Data Management and Energy Fieldwork aims to introduce students how big data collection, analysis, and visualization is applied in real business world. Moreover, students have a rare opportunity to interact with Japanese company representatives, professors and researchers who actively create innovation in Telecommunication infrastructure and Energy Management Industry, as balancing demand and supply of energy is now a global issue, and waiting to be solved.



RESULTS

- Group Presentation
— Held at Keio University (Oct 18th 2016)
- Poster/Video Presentation
— Held at 29th EBA Open Seminar (Nov 30th 2016)

VOICE FROM THE PARTICIPANT

"The lecture and workshop on energy management system gave a big picture of the need of EMS and the factors affecting it. The data analysis shows how to use R to analyze the data in twitter. Given the opportunities to visit the giant company in Japan, the IoT and EMS implementation in real world environment especially smart home/car is more convincing. I have widen my knowledge through this program."

Wong Khang Siang
University of Science Malaysia

PROGRAM

October 10th: Arriving in Japan

October 11th: Pre Workshop, Japanese class (at Keio University)

October 12th~17th: Hands on, Company visitations, etc.

October 18th: Final Presentation (at Keio University)

October 19th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- Business plan, solutions, and/or application prototype.

PRESENTATION (Slides) from WORKING GROUPS



Presentation of business idea on IoT and Energy Management

- Name: Lim Ann Ye
- University: University of Malaya, Malaysia
- Title: Near Field Communication (NFC)



Thailand Fieldwork

Disaster Management and Security

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2017	2017/02/14- 2017/02/23	5 KEIO STUDENTS	CHULA



At the CU-GISTDA (Geo-Informatics and Space Technology Development Agency), Students challenges with various learning activities designed to guide them through the life-cycle of big data, from understanding data, data collection, data pre-processing, data analysis, to data visualization. Students learn how big data differs from traditional data in terms of its complexity and treatment, and get to experience first-hand how big data is used to manage flooding risk, which is the most frequent natural disaster in Thailand.



RESULTS

- Group Presentation

└ Held at Chulalongkorn University (Feb 22th 2017)

- Poster/Video Presentation

└ Held at 31st EBA Open Seminar (March 30th 2017)

VOICE FROM THE PARTICIPANT

"I recommend this EBA Fieldwork.

You must not become shy without confidence for English. My English is poor. But I got great experience!"

Junpei Kudo
Keio University

PROGRAM

February 14th: Arriving in Thailand

February 15th~16th: Pre workshop, Thai language class (at Chulalongkorn University)

February 17th~20th: Field survey at GISTDA

February 21th: Post workshop (at Chulalongkorn University)

February 22th: Final Presentation (at Chulalongkorn University)

February 23th: Leaving from Thailand

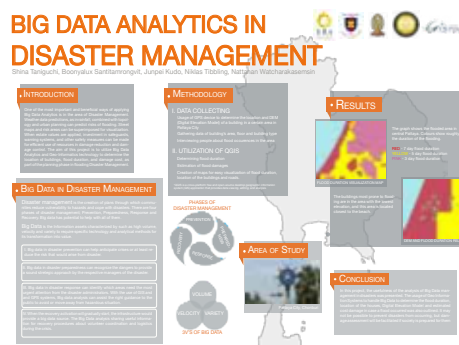


OUTPUTS

COVERED TOPICS

- Overview of disaster management using GIS technology
- Types of disaster, and types of data needed for managing each type of disaster
- Data collection methods and tools for flooding disaster
- Data importing (pre-processing) methods and tools for flooding disaster
- Data analysis methods and tools for flooding disaster
- Big data approach

PRESENTATION (Poster and Video) from WORKING GROUPS



Malaysia Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2017	2017/02/19- 2017/02/28	9 ASEAN / 6 KEIO STUDENTS	UM



The theme of the fieldwork is "Promoting Malaysia Local Biodiversity for Eco-tourism."

Students 1)Discuss current situation and recognise the problem of eco-tourism in Malaysia.2)Identify and discuss the role of stakeholders involved in eco-tourism.3)Evaluate the results of the analysis of data gathered during fieldwork.4)Prepare action plan to help solve the problem face in the eco-tourism industries. 5) Evaluate the action plan.



RESULTS

- Group Presentation

— Held at University of Malaya (Feb 27th 2017)

- Poster/Video Presentation

— Held at 31st EBA Open Seminar (March 30th 2017)

VOICE FROM THE PARTICIPANT

"All activities in thie EBA Malaysia fieldwork were fun and valuable.
These activities cannot be done in daily life,
So I recommend this EBA Feldwork."

Kiwamu Yoshida
Keio University

PROGRAM

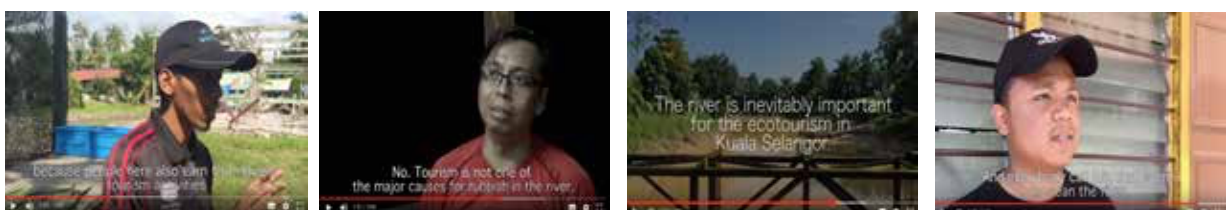
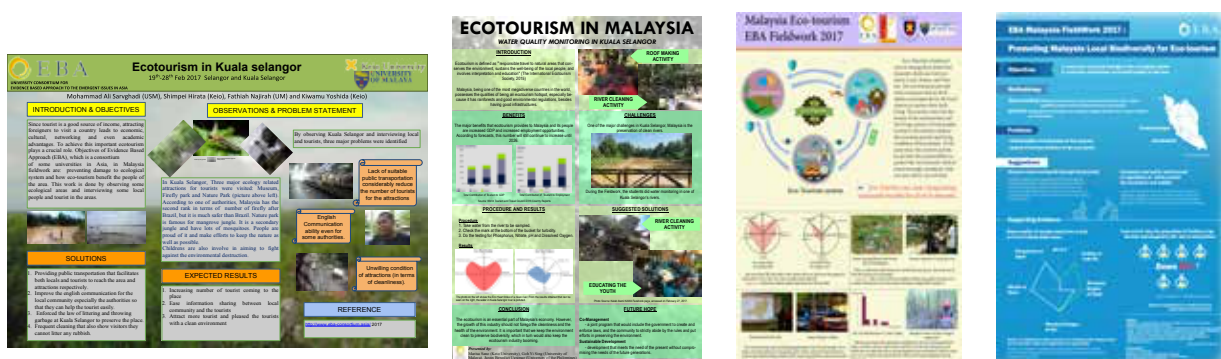
February 19th: Arriving in Malaysia
February 20th~21th: Pre workshop, Language class (at University of Malaya)
February 22th~23th: Field survey (Animal trapping-Pitfall, Mist Nest– Stream sampling), etc at Ulu Gombak, Selangor
February 24th~26th : Field survey (with local community) at Kuala Selangor, Selangor
February 27th: Final Presentation (at University of Malaya)
February 28th: Leaving from Malaysia

OUTPUTS

COVERED TOPICS

- Learn how to prevent the damage of the ecological system.
- Learn how eco-tourism can benefit the people of the area.

PRESENTATION (Poster, Video) from WORKING GROUPS



Myanmar Fieldwork

Energy and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2017	2017/02/22- 2017/03/03	6 ASEAN / 12 KEIO STUDENTS	UCSY



Bagan is an ancient city in Mandalay Region of Myanmar. Bagan is well-known for the presence of thousands of temples and pagodas that were built during the height of Bagan Kingdom between 11th and 13th centuries. Over the course of time, under different impacts, many of the temples and pagodas have disappeared or deteriorated. This fieldwork, therefore, focuses on highlighting the impacts of surrounding living environments (human, animals and plants) and natural disasters (earthquake, etc.) on Myanmar Cultural Heritage in Bagan.



RESULTS

- Group Presentation
☐ Held at University of Computer Studies, Yangon
 (Mar 1st 2017)
- Poster/Video Presentation
☐ Held at 31st EBA Open Seminar (March 30th 2017)

VOICE FROM THE PARTICIPANT

"I do not think everyone has to have the same purpose or goals to participate in the program, but I thought it was really meaningful to think why I wanted to go there or what I wanted to achieve and reflect how I have changed during the program. If future participants have their own values and motto, I surely think they will have wonderful experience which will influence them, even if they do not realize it right after finishing the fieldwork."

Yuka Sasatani
Keio University

PROGRAM

February 22th: Arriving in Myanmar

February 23th~24th: Pre workshop, Language class (at University of Computer Studies, Yangon)

February 25th~27th: Field survey at Bagan

February 28th : Post Workshop (at University of Computer Studies, Yangon)

March 1st: Final Presentation (at University of Computer Studies, Yangon)

March 2nd: Yangon Tour

March 3rd: Leaving from Myanmar

OUTPUTS

COVERED TOPICS

- Investigate and analyze the impacts of the construction of hotels that are on the rise in Bagan.
- Investigate and analyze the impacts of illegal settlements and waste dumping area on the cultural Heritage Site.
- Analyze damages to the temples and pagodas caused by earthquakes, especially the recent one in August, 2016.
- Detect uncovered pagodas and temples.

PRESENTATION (Poster, Video) from WORKING GROUPS



Indonesia Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2017	2017/02/26- 2017/03/08	6 ASEAN / 20 KEIO STUDENTS	KEIO/ITB



The purpose of the fieldwork is to deepen the understanding of the living-together among the people of different cultures from different societies through direct exchanges of ideas and dialogues with them.



RESULTS

- Poster/Video Presentation

— Held at 31st EBA Open Seminar (March 30th 2017)

- Reported in a Local Newspaper

— The Daily Jakarta Shinbun (8th March 2017)

VOICE FROM THE PARTICIPANT

"This EBA Indonesia Fieldwork is really good to understand Islam, which is religion most people misunderstand."

Hajime Tsuneishi
Keio University

PROGRAM

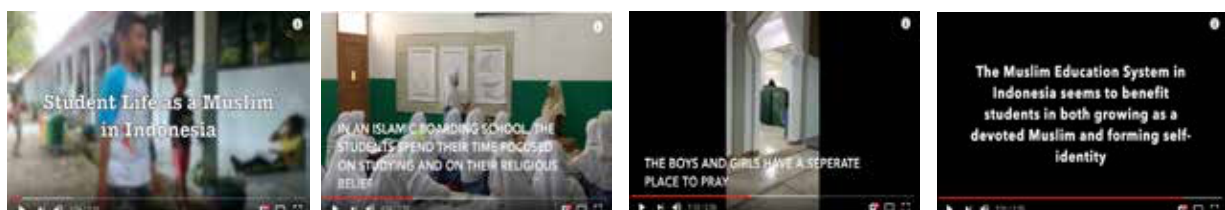
February 03rd: Pre Workshop (at Keio University)
 February 26th: Arriving in Indonesia
 February 27th ~ March 2nd: Field survey in Jakarta
 March 3rd~ 5th: Field survey in Seribu Island
 March 6th ~ 7th: Post Workshop, Final Presentation (in Jakarta)
 March 8th: Leaving from Indonesia

OUTPUTS

COVERED TOPICS

- To Develop human resources capable to identify and solve issues based on the Evidence and Analysis.
- What students found in Indonesia which has the largest amount of Muslim in the world.

PRESENTATION (Poster, Video) from WORKING GROUPS



Sanriku Fieldwork

Disaster Management and Security

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2017	2017/03/02- 2017/03/11	14 ASEAN / 2 KEIO STUDENTS	KEIO



Students go and capture with their own eyes what happened during Great East Japan Earthquake in March 2011 and its aftermath until today in 7 port cities in Sanriku area- the hardest hit area. And think about what we can do to prevent a similar disaster to happen in the face of overwhelming energy of the nature.



RESULTS

- Group Presentation
 - └ Held at Keio University (Mar 10th 2017)
- Poster/Video Presentation
 - └ Held at 31st EBA Open Seminar (March 30th 2017)
- News
 - └ NHK World Radio Japan
 - └ Nico Nico Live

VOICE FROM THE PARTICIPANT

"This fieldwork is undeniably a great opportunity to be more aware, to learn more and to use the learnings from it for the betterment of one's community. As students, we are responsible when it comes to become one of the best in our degrees. The EBA Sanriku Fieldwork served as an eye opener to a lot of students with regards to BOSAI education."

Charmaine Coleta
University of The Philippines Diliman

PROGRAM

- March 02nd: Arriving in Japan
- March 03rd~5th: Pre Workshop, Japanese class (at Keio University)
- March 06th: Field survey along Coastal Areas from Kesenuma to Natori
- March 07th: Visit Elementary and Junior high schools along Coastal Areas from Kesenuma to Natori, etc
- March 08th~09th: Post Workshop (at Keio University)
- March 10th: Final Presentation (at Keio University)
- March 11th: Leaving from Japan

OUTPUTS

COVERED TOPICS

- Think and discuss the effective ways of how to protect lives from future disasters and especially to reexamine the role of concrete high sea walls in disaster management.

PRESENTATION (SLIDES, Video) from WORKING GROUPS

Bosai and Okawa ES tragedy

WHAT IS BOSAI?
To prevent and reduce the damage during natural disaster. Share the voice between people to find the right action.

HAZARD MAP
Always in high awareness, be ready to face disaster, and help to your best.

WHAT WE LEARN?
How to prevent disaster? How to reduce damage? How to help people to find the right action?

ROLES OF BOSAI
Prevention
Preparation
Response
Recovery
Communication
Learning
Evaluation

REFERENCE
1. Emergency Management Agency (EMA)
2. Emergency Management Agency (EMA)
3. Emergency Management Agency (EMA)
4. Emergency Management Agency (EMA)
5. Emergency Management Agency (EMA)

SUMMARY
Disasters are the major factor of tragedy. Cooperation and knowledge must be shared from the day to day of those days. There is still room for improvement in advancement of technology.

Group 1
EBA Sanriku Fieldwork 2017

Behind the disaster in Sanriku March 11, 2011

School: Okawa Elementary School
Address: 1-1-1, Okawa, Sanriku, Miyagi

Location:
Miyagi Prefecture, Sanriku City, Miyagi Prefecture, Japan

Disaster:
There was an EQ happened on 3/11/2011. Tsunami occurred after EQ. S.S. for a few days of EQ. They think that Tsunami will hit the school.

Height of Tsunami: 4m above the yard

Active After EQ:
In the beginning, principal ordered to evacuate to the school. Then, after EQ, the evacuation began. Then, after EQ, the evacuation began. Then, after EQ, the evacuation began.

Conclusion:
The evacuation begins to the 1st of the school building. 25 min. after EQ, the start of evacuating the school. The evacuation begins to the 1st of the school building. 25 min. after EQ, the start of evacuating the school.

A PROPOSED PLAN ON DISASTER PREVENTION (BOSAI) TO RAISE AWARENESS AMONG ELEMENTARY SCHOOL STUDENTS

Background:
On March 11, 2011, Tsunami hit the northern Japan coast. The death of 20,000 people. A lot of people died in Sanriku because they have knowledge about Tsunami but lack of awareness. So, they want the concept of building and loss of people during Tsunami. Therefore, BOSAI (disaster prevention and disaster education) is needed to save their lives and to prevent the damage of disaster.

Objectives:
1. To study the concept of disaster prevention and disaster education.
2. To propose a plan to prevent disaster prevention and disaster education.

Methodology:
1. To study the concept of disaster prevention and disaster education.
2. To propose a plan to prevent disaster prevention and disaster education.

Conclusion:
The evacuation begins to the 1st of the school building. 25 min. after EQ, the start of evacuating the school. The evacuation begins to the 1st of the school building. 25 min. after EQ, the start of evacuating the school.

Natural Disaster Prevention Improvement for Elementary School in Higashimatsushima, Miyagi

Location:
Higashimatsushima, Miyagi

Objectives:
1. To encourage appropriate BOSAI education through the use of the field site.
2. To learn about the importance of BOSAI.

Methodology:
1. To study the concept of disaster prevention and disaster education.
2. To propose a plan to prevent disaster prevention and disaster education.

Conclusion:
The evacuation begins to the 1st of the school building. 25 min. after EQ, the start of evacuating the school. The evacuation begins to the 1st of the school building. 25 min. after EQ, the start of evacuating the school.



Vietnam Fieldwork

Public Health and Environment

YEAR	DATES	NUMBER OF PARTICIPANTS	HOST
2017	2017/03/07- 2017/03/16	9KEIO STUDENTS	KEIO



The theme of the fieldwork is "Agent Orange/Dioxin issue and its lingering consequences from Vietnam War (1961-1975)".

The fieldwork approaches the issue of Agent Orange/ Dioxin in Vietnam from two perspectives: public health and environment.



RESULTS

- Poster/Video Presentation

└ Held at 31st EBA Open Seminar (March 30th 2017)

VOICE FROM THE PARTICIPANT

"Before visiting Vietnam, I was interesting in Vietnam but I didn't have enough knowledge about this country and its history. By staying in Ho Chi Minh City and Phu Cat for total 10 days, I could understand local culture including food, history and handicapped children with valuable experience."

Yu Sakamoto
Keio University

PROGRAM

March 07th: Arriving at Ho Chi Minh

March 8th: Leave for Phu Cat , Visit AO victim families, school

March 9th~14th: Field Survey at Cat Thanh Commune

March 15th: Field Survey at Ho chi Minh

March 16th: Leaving from Ho Chi Minh

OUTPUTS

COVERED TOPICS

- Students are approached Agent Orange induced issues observed at the local level issue from their own expertise.
- Inter-disciplinary discussions between students are expected to follow to redefine the problems before attempting “what we can do”, not only at the local level but where else similar problems are raging.

PRESENTATION (Poster and Video) from WORKING GROUPS



EBA Consortium Activity Report

AY2012 - AY2016

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