

**Name of the project** (Adopted year: FY 2012; Type I)

## Program to Foster Pioneers to Transform the Populations-Activities-Resources and Environments (PARE) Chain

### Aim of the Project, Ideals of Global Human Resource on the project

This program will establish a collaborative educational system involving HU's six partner institutions in Indonesia and Thailand for the purpose of developing personnel to become global leaders that will be active in resolving challenges related to populations, activities, resources and environments (PARE) in ASEAN countries.

The program will foster human resources with the four requisites: "Field Research Capacity", "Cross Cultural Capability", "Frontier Spirit" and "Problem Solving Competencies" which are essential for practical resolutions in the PARE chain.

### Summary of the project

The program is expected to produce leaders and create a network to support development in Asia. To this end, through collaborative education with the PARE consortium, quality assurance for multidisciplinary education, creation of an educational collaboration model that coordinates between educational fieldwork and lab work, and establishment of a PARE alumni network that assembles experts in dissimilar fields and research will be achieved.

## Forming the University Network with Quality Assurance

- Stringent student performance management based on a common evaluation method
- Clarification of study processes as outlined in the PARE Program Academic Handbook for subjects and curricular processes
- Education quality improvement based on FD collaboration and joint textbook development
- Development of a system for continued provision of high-quality programs through an external review and workshop by external experts.

## Contents of the programs, Preparation for the Start of the programs

### Program Content

- Joint provision of common subjects
- Provision of overseas study programs to support students' career paths
- Formation of practical faculty partnerships through provision of joint lectures and faculty development (FD)

### Program Launch Preparation

- Establishment of a PARE Steering Committee comprised of representatives from member institutions
- Kick-off in Summer 2013 (with FY 2012 as prep. phase)
- Full-scale implementation of student exchanges in September 2013

## Student-Mobility

### Dispatching Japanese students to partner institutions

Group discussions held in English during summer school, classes provided by member institutions, and field work at host institutions

### Hosting international students from partner institutions

Group discussions during summer school, attending HU classes, and research activities

## Promotion of Student-Mobility Environment

OHU's Central Office and Liaison Offices at member institutions will provide a one-stop service for academic and daily life matters for students.

OA range of employment support programs will be organized (discussions with corporate recruiters, establishment/hosting of Hokkaido University International Strategy Information Sessions (tentative name)).

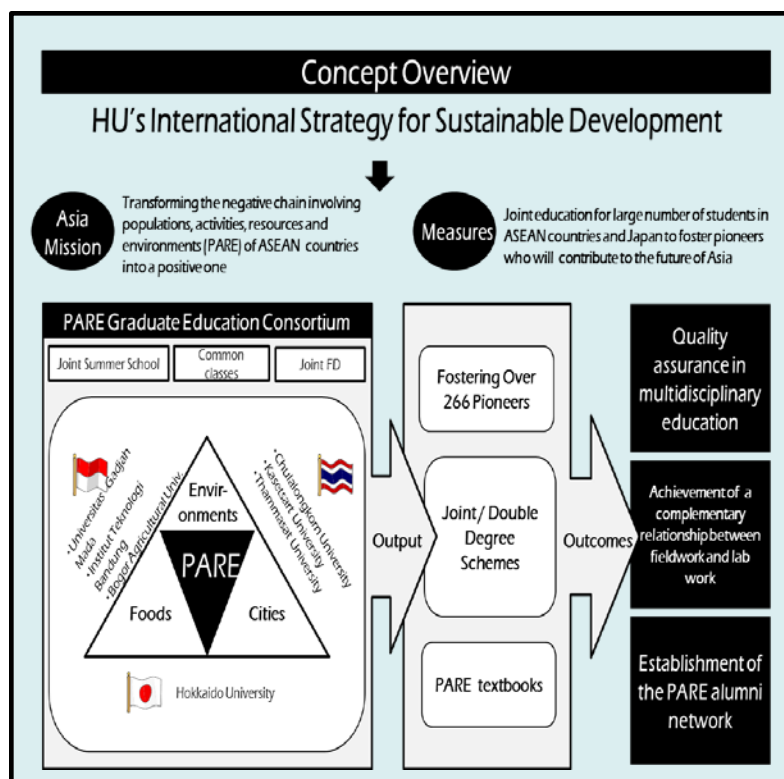
## Visualization of the content of education, Dissemination of the Outcomes

### Visualization of educational content

The program curriculum guide and progress status will be available online.

### Dissemination of outcomes

The international collaborative educational system will become a model case that will not only be shared throughout campus, but also applied and developed in other fields and regions.



	2012	2013	2014	2015	2016
Outbound	13	30	30	30	30
Inbound	13	30	30	30	30

Note: These numbers are at application of this project

# Re-Inventing Japan Project

Support for the Formation of Collaborative Programs with ASEAN Universities

**[Name of Project]** (Adopted year: FY2012, Category I)

Program to Foster Pioneers to Transform the Populations-Activities-Resources and Environments (PARE) Chain

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

This Program is intended to support the establishment of a collaborative educational system involving Hokkaido University's six partner institutions in Indonesia and Thailand in order to foster global leaders who will be active in resolving challenges related to populations, activities, resources and environments (PARE) in ASEAN countries. This Program is intended to foster individuals with four specific characteristics (field research capacity, cross cultural capability, a frontier spirit and problem-solving competency) that are essential for practical resolution of issues in the PARE chain.

## **[Summary of project]**

This Program is expected to produce leaders and create a network to support development in Asia. To this end, collaborative education in conjunction with the PARE consortium will be provided to ensure quality in multidisciplinary teaching, to create an educational collaboration model incorporating coordination between academic fieldwork and lab work, and to establish a PARE alumni network that will bring together experts and research results from different fields.

### ■ Forming the University Network with Quality Assurance

- An operational and management system has been realized through the establishment of the Steering Committee and the Working Group for Educational Content. Through the above committees, the policy for implementation structure and for developing the content of the educational program has been determined.
- The Faculty Development (FD) Workshop was held on March 25, 2013, with the attendance of the Steering Committee members in order to discuss quality improvements to the program content.



〈 National Steering Committee 〉



〈 FD Workshop 〉

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



#### ○ Contents of the Programs in JFY2012

In the preparatory phase of this program, the dispatch/acceptance of students to/from the partner universities was carried out on a trial basis from January through April 2013. On April 20 and May 7, 2013, debriefing sessions of dispatched students were held. The Certification of Program Attendance was awarded to those who participated in this program.

#### ○ Preparation for the Programs in JFY2013

- The implementation plan for summer school, including application procedures, the recruitment schedule, the content and so on, has been discussed and determined by the Steering Committee. Recruitment of students has started.
- The implementation plan for semester-long dispatch/acceptance of students from/to six (6) partner universities in Indonesia/Thailand has also been discussed by Steering Committee, and the recruitment of students has started.
- Preparations have begun for the Spring School, which will be held at Kasetsart University (Thailand) in March 2014.



〈 FY2012 The debriefing session of dispatch students 〉

### ■ Students-Mobility

#### ○ Outbound: The dispatch of Japanese students to partner institutions

- Group discussions held in English during summer/spring school
- Classes provided by member institutions, and field work at host institutions for the students going abroad for one semester or one year

#### ○ Inbound: The hosting of international students from partner institutions

- Group discussions during summer school
- Enrollment in HU classes, and research activities for students coming to Japan for one semester or one year

	2012	2013	2014	2015	2016
Outbound	17	30	30	30	30
Inbound	18	30	30	30	30

\*Note FY2012 : results, FY2013-FY2016 : planned

### ■ Promotion of Student-Mobility Environment

- HU' s Central Office and the Liaison Offices of member institutions will provide a one-stop service for academic and daily life matters for students.
- A range of employment support programs will be organized (discussions with corporate recruiters, establishment/hosting of Hokkaido University International Strategy Information Sessions (tentative name)).

### ■ Visualization of the Content of Education, Dissemination of the Outcomes

#### ○ Visualization of the Content of Education

The program curriculum guide will be available soon at the PARE website: <http://www.4pare.org>.

The program progress status is available at our website: <http://www.hokudai.ac.jp/international3/ryugaku/pare/view/>, and at our blog: <http://pareproject.blogspot.jp/>

#### ○ Dissemination of the Outcomes

The international collaborative educational system will become a model case that will not only be shared throughout the campus, but also applied and developed in other fields and regions.

**[Name of Project]** (Adopted year: FY2012, Category I)

Graduate Program for Fostering Frontiers of Practical Solutions in a Populations-Activities-Resources and Environments (PARE) Chain

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

This Program is intended to support the establishment of a collaborative educational system involving Hokkaido University's six partner institutions in Indonesia and Thailand (Chulalongkorn University, Institut Teknologi Bandung, Institut Pertanian Bogor, Kasetsart University, Thammasat University, and Universitas Gadjah Mada) in order to foster global leaders who will be active in resolving challenges related to populations, activities, resources and environments (PARE) in ASEAN countries. This Program is intended to foster individuals with four specific characteristics (field research capacity, cross cultural capability, a frontier spirit and problem-solving competency) that are essential for practical resolution of issues in the PARE chain.

**[Summary of project]**

This Program is expected to produce leaders and create a network to support development in Asia. To this end, collaborative education in conjunction with the PARE consortium will be provided to ensure quality in multidisciplinary teaching, to create an educational collaboration model incorporating coordination between academic fieldwork and lab work, and to establish a PARE alumni network that will bring together experts and research results from different fields.

**1. Forming the University Network with Quality Assurance**

- A Self-Assessment Sheet to be filled out by students before and after the program has been developed to aid stringent management of student performance in terms of four specific characteristics. Another sheet has been developed for PARE Consortium faculty members to enable joint evaluation of these four characteristics, and trial evaluation has been conducted.
- The 2nd Joint Faculty Development (FD) Workshop on goal setting and assessment for Joint Evaluation Sheet improvement was held in October 2013.
- To support the establishment of a framework for the ongoing provision of high-quality programs, the 1st Educational Exchange Workshop was held in March 2014 on the theme "Efforts to Develop Collaborative Education Systems in ASEAN and Japan". HU invited strategically faculty and administrative staffs from Keio University and Kobe University to exchange experiences.



(Educational workshop)

**2. Contents of the Programs, Preparation for the Start of the Programs**

**○ Contents of the Programs in JFY2013**

The PARE Program structure was established. This involves compulsory PARE Core Subjects ("Introduction to PARE" and "PARE Short Program") as well as elective PARE Comprehensive Subjects and Specialized Subjects, whose content varies by graduate school. The 1st PARE exchange program was implemented as outlined below.

- "Introduction to PARE (3 credits)" was provided by Hokkaido University (June to early August 2013). A total of 21 students from HU attended, and 3 students from partner institutions in online.
- "PARE Short Program (3 credits)" was offered in Hokkaido as the PARE Summer School 2013 (August 15 – 27). A total of 37 students and 5 HU faculty members attended. The PARE Spring School 2014 (February 17 – 28) in Thailand was postponed due to the Thai government's declaration of a state of emergency.

- Students studying overseas for a semester or longer took PARE Comprehensive Subjects/Specialized Subjects offered by their host universities to earn credits that were recognized at their home institutions.
- Two students from the Institut Teknologi Bandung (ITB) met the requirements for program completion and were presented with PARE Program joint certificates signed by the Vice-Presidents of HU and ITB.

**○ Preparation for the Programs in JFY2014**

The Application Guidelines 2014 were published in Japanese and English. Individual institutions in the PARE Consortium began student recruitment at the end of March.

**3. Students-Mobility**

**○ Outbound: The dispatch of Japanese students to partner institutions**

- HU's plans to send 21 students to the Spring School 2014 in Thailand were postponed due to the Thai government's declaration of a state of emergency.

- HU sent one student to Indonesia's Bogor Agricultural University and two to Thailand's Kasetsart University for a semester.

**○ Inbound: The hosting of international students from partner institutions**

- HU hosted 27 students from all partner institutions at its Summer School.
- HU hosted 12 students from partner institutions (including 2 who also attended the Summer School 2013).

	2012	2013	2014	2015	2016
Outbound	17	3	30	30	30
Inbound	18	40	30	30	30

\*Note: FY2012 – FY2013: results, FY2014 - FY2016: planned

**4. Promotion of Student-Mobility Environment**

- Efforts by the PARE Program Central Office at HU and liaison desks at its partner institutions included collaborating on the dispatch/hosting of students, securing affordable accommodation and providing language lessons (Japanese/local). Pre-departure orientation sessions were held online.
- Social events at which Spring School students would interact with HU alumni working for Japanese companies in Indonesia and Thailand were postponed due to the Thai government's declaration of a state of emergency.

**5. Visualization of the Content of Education, Dissemination of the Outcomes**

PARE Program pamphlets were published, and the Application Guidelines along with information on the Program's state of progress were publicized via a website (<http://www.4pare.org/>), a blog (<http://pareproject.blogspot.jp>) and other channels.

The Program was also highlighted by faculty staff at various conferences within and outside Japan.



(FY2013 PARE Summer School in Hokkaido)



## [Name of Project] (Adopted year: FY2012, Category I)

Graduate Program for Fostering Frontiers of Practical Solutions in a Populations-Activities-Resources and Environments (PARE) Chain

## [Aim of project, Ideals of Global Human Resources on the project]

This Program is intended to support the establishment of a collaborative educational system involving Hokkaido University's six partner institutions in Indonesia and Thailand (Chulalongkorn University, Institut Teknologi Bandung, Institut Pertanian Bogor, Kasetsart University, Thammasat University, and Universitas Gadjah Mada) in order to foster global leaders who will be active in resolving challenges related to populations, activities, resources and environments (PARE) in ASEAN countries. This Program is intended to foster individuals with four specific characteristics (field research capacity, cross cultural capability, a frontier spirit and problem-solving competency) that are essential for practical resolution of issues in the PARE chain.

## [Summary of project]

This Program is expected to produce leaders and create a network to support development in Asia. To this end, collaborative education in conjunction with the PARE consortium will be provided to ensure quality in multidisciplinary teaching, to create an educational collaboration model incorporating coordination between academic fieldwork and lab work, and to establish a PARE alumni network that will bring together experts and research results from different fields.

### 1. Forming the University Network with Quality Assurance

○ HU's efforts to aid stringent management of student performance have taken root using a framework of joint evaluation by the PARE consortium faculty members and student self-assessments that were both developed in JFY 2013.

○ The 3rd Joint Faculty Development (FD) Workshop on online education systems was held in January 2015 to discuss the latest education methods and technologies. A lecturer was invited from Keio University to exchange experiences with HU's faculty and administrative members.

○ An external evaluation was conducted in November 2014 to assess HU's performance and achievements of the program goals and objectives. Key challenges to be addressed in the next two years until the completion of the subsidy project period were identified. To tackle these issues, a working group for future development of the program was established.



(External evaluation)

### 2. Contents of the Programs, Preparation for the Start of the Programs



(FY2014 PARE Short Program in Indonesia)

#### ○ Contents of the Programs in JFY2014

The PARE Program JFY 2014 was implemented as outlined below based on the structure established in JFY 2013, which includes compulsory PARE Core Subjects ("Introduction to PARE" and "PARE Short Program") and elective PARE Comprehensive and Specialized Subjects:

- "Introduction to PARE" I, II, and III (1 credit/each) were offered by Hokkaido University. More than 162 students from the 7 consortium member universities attended. "Introduction to PARE III" was provided in combination with e-learning and mini lectures to promote active learning through discussion among students in the classroom.
- "PARE Short Programs" (3 credits each) were offered in Hokkaido (August 28- September 11, 15 days) and in Indonesia (March 9- 20, 12 days). A total of 87 students from the 7 consortium member universities attended. The PARE Short Program in Thailand (June 2014), which planned to have 39 students, was cancelled due to the Thai National Army's declaration of martial law.

- A total of 33 students studying overseas took the PARE Comprehensive Subjects/Specialized Subjects offered by their host universities to earn credits.
- A total of 31 students who met the requirements for program completion were awarded PARE Program joint certificates signed by the Vice-Presidents of both their home and host universities.

#### ○ Preparation for the Programs in JFY2015

The course schedule of "Introduction to PARE" (June to July, August to September in 2015, and January to February in 2016) and "PARE Short Program" (August 25 – September 8 in Hokkaido, and March 7 – 21 in Thailand) was fixed and published in the Application Guidelines 2015 in both Japanese and English. Each university in the PARE Consortium began student recruitment at the end of March. A trial dispatch of students for the newly established "PARE Internship" course starting in JFY 2014 was carried out.

### 3. Students-Mobility

#### ○ Outbound: The dispatch of Japanese students to partner institutions

- HU sent 18 students to the *PARE Short Program in Indonesia* (PARE Spring School 2015).
- HU sent one student to Bogor Agricultural University and one to Gadjah Mada University (both in Indonesia) for a semester to take the PARE comprehensive/specialized subjects.
- Four students were sent to Kasetsart University in Thailand for the "PARE internship" on a trial base

	2012	2013	2014	2015	2016
Outbound	17	3	24	30	30
Inbound	18	40	72	30	30

\*Note: FY2012 – FY2014: results, FY2015 - FY2016: planned

#### ○ Inbound: The hosting of international students from partner institutions

HU hosted 41 students from all partner institutions at the PARE Short Program in Hokkaido (PARE Summer School 2014). In addition, 31 students were accepted as special auditors to take the PARE comprehensive/specialized subjects in HU.

### 4. Promotion of Student-Mobility Environment

- Efforts by the PARE Program Central Office at HU and the liaison desks at the partner institutions included collaborating on the dispatch/hosting of students, securing affordable accommodations and providing language lessons (Japanese/local). Pre-departure orientation sessions were held online.
- A social event was held at which Spring School students could interact with HU alumni working for Japanese companies in Indonesia.

### 5. Visualization of the Content of Education, Dissemination of the Outcomes

- PARE Program pamphlets were published, and the Application Guidelines along with information on the Program's state of progress were publicized via a website (<http://www.4pare.org/>), a blog (<http://pareproject.blogspot.jp>) and other channels. The Program was also highlighted by faculty staff at various conferences in and outside Japan.
- PARE Program booklets were published to disseminate the education content and the achievements.

**[Name of Project]** (Adopted year: FY2012, Category I)

Graduate Program for Fostering Frontiers of Practical Solutions in a Populations-Activities-Resources and Environments (PARE) Chain

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

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**[Summary of project]**

This Program is expected to produce leaders and create a network to support development in Asia. To this end, collaborative education in conjunction with the PARE consortium will be provided to ensure quality in multidisciplinary teaching, to create an educational collaboration model incorporating coordination between academic fieldwork and lab work, and to establish a PARE alumni network that will bring together experts and research results from different fields.

**1. Forming the University Network with Quality Assurance**

- On December 4, an educational exchange study meeting was held under the theme, "Aiming to Develop an Educational Collaborative System between ASEAN and Japan," and opinions were exchanged with the Faculty of Fisheries, Kagoshima University, which has been operating an international collaborative program for tropical fisheries science at the graduate school (master's program) in cooperation with Kasetsart University in Thailand.
- On February 18, inviting Mr. Norio Kitamura from Nomura Research Institute as a lecturer, the 4th Joint Faculty Development (FD) was held under the theme, "Measures to Enhance Student Mobility and Publicize the Program."
- Top-class professors were invited to give joint lectures in English: one from the University of Reading (England) in July; one from Université Toulouse III – Paul Sabatier (France) in August; one from the University of Maine (U.S.A.) in October; and one from Ohio University (U.S.A.) in November.

**2. Contents of the Programs, Preparation for the Start of the Programs**

**○ Contents of the Program in JFY2015**

The PARE Program JFY 2015 was implemented as outlined below based on the structure already established :

- "Introduction to PARE" I, II, and III (1 credit/each) were offered by Hokkaido University. 168 students from the 7 consortium member universities have attended. All lectures were provided in combination with e-learning and mini lectures to promote active leaning through discussion among students in the classroom.
- "PARE Short Programs" (3 credits each) were offered in Hokkaido (August 25 – September 8, 15 days) and in Thailand (March 7 – 21, 15 days) under the theme of "Sustainable Use and Management of Land, Water, Energy Resources and Food Security in PARE Chain". A total of 71 students from the 7 consortium member universities have attended. On the final day of each short program, briefing sessions were held, and were jointly evaluated by professors from seven consortium member universities.
- A total of 46 students studying overseas have taken the PARE Comprehensive/Specialized Subjects offered by their host universities to earn credits.



Joint lecture by professor from University of Reading



2015 Short Program in Thailand

**○ Preparation for the Programs in JFY2016**

The dates to offer "Introduction to PARE I, II, III" were finalized and preparation of a new course, titled "Introduction to PARE IV" was commenced. The dates for PARE short programs were finalized (August 30 - September 13, 2016 in Hokkaido, and February 14 - 28, 2016 in Indonesia). Application and Course Guide for 2016 (both in Japanese and English) and flyers of the program (both in Japanese and English) were published for the distribution to new students.

	2012	2013	2014	2015	2016
Outbound	17	3	24	26	30
Inbound	18	40	72	73	30

\* 2012–2015: results, 2016: planned

**■ Student mobility**

**○ Outbound: Japanese students to partner universities**

- A total of 18 HU students (including 7 foreign students) were sent to the 2016 Spring School in Thailand.
- 2 students were sent to Bogor Agricultural University in Indonesia, and 1 to Kasetsart University, 1 to Thammasat University, and 2 to Chulalongkorn University, all in Thailand. 2 undergraduate students in the third year were sent to Bogor Agricultural University with the aim to develop a program for undergraduate students.

**○ Inbound: The hosting of international students from partner institutions**

- A total of 33 students were accepted to attend summer school in Hokkaido and 40 students were accepted as special auditors.

**■ Promotion of student mobility environment**

- A PARE internship course has also been newly established. Brochure to introduce PARE Program have been distributed on the occasions when the HU had meetings with corporations that had expanded their businesses into markets in Indonesia and Thailand, and also with banking institutions which support these corporations. Students have been received by institutions and corporations which have strong ties with the PARE partner universities.

**■ Visualization of education contents and dissemination of the outcomes**

- Three universities (Bogor Agricultural University, Bandung Institute of Technology and Gadjah Mada University) jointly presented on their PARE program at the session meeting of the 3rd Japan-Indonesia President Conference hosted by Hokkaido University (November 5).



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

Graduate Program for Fostering Frontiers of Practical Solutions in a Populations-Activities-Resources and Environments (PARE) Chain

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**【Summary of project】**

This Program is expected to produce leaders and create a network to support development in Asia. To this end, collaborative education in conjunction with the PARE consortium will be provided to ensure quality in multidisciplinary teaching, to create an educational collaboration model incorporating coordination between academic fieldwork and lab work, and to establish a PARE alumni network that will bring together experts and research results from different fields.

**■ Forming the University Network with Quality Assurance**

On March 30, inviting Prof. M. Kitamura (Graduate School of International Media, Communication, and Tourism Studies, HU) as a lecturer, the 5<sup>th</sup> Joint Faculty Development (FD) was held under the theme, "Ideal way of effective PR for International co-education program in graduate school".

HU's efforts to aid stringent management of student performance have taken root using a frame work of joint evaluation by the PARE consortium faculty members and student self-assessments that were both developed in JFY 2013.

An external evaluation was conducted September 2016 to assess HU's performance and achievements of the program goals and objectives also program's future agenda after financial support closed. Strict plan-making throughout field activity's risk management were advised.

**■ Contents of the Programs, Preparation for the Start of the Programs**

**○ Contents of the Program in JFY2016**

• In addition to "Introduction to PARE I, II, III", a new, interdisciplinary course lecture titled "Introduction to PARE IV" was introduced. The lecture was jointly offered by invited lecturers from University of Reading, Thammasat University, and Aichi Gakuin University.

• "PARE Short Programs"(3 credits each) were offered in Hokkaido (2016/8/30-9/13) and in Indonesia (2017/2/14-28) under the theme of "Sustainable Use and Management of Land, Water, Energy Resources, and Food Security in PARE Chain". A total of 68 students from 7 universities have participated and after briefing sessions on final day, they were jointly evaluated by 7 consortium universities' member.

• To earn credits of PARE Comprehensive/Specialized and Internship Subjects, 6 students have studied at HU and 3 HU students have studied at consortium universities.

**○ Preparation for the Programs in FY2017**

Program will continue after FY2017, receiving further support from 6 consortium universities as well as using HU's existing collaborative education program. In particular, "Introduction to PARE" and "Summer Short Program" lectures will be offered as part of Hokkaido Summer Institute Program so that students from Indonesia and Thailand will continue to be accepted. "Spring Short School" will be offered continuously too, receiving greater support from consortium universities. Spring School courses may be structured within HU's Learning Satellite Scheme in JFY 2018.

**■ Student-Mobility**

**○ Outbound**

• 22 students (including 5 international students)

attend 2017 Spring School in Indonesia.

• A total of 3 students from HU have studied abroad:

(1 : Chulalongkorn University, 1 : Thammasat University, 1 : Asian Institute of Technology)

**○ Inbound**

24 students have participated Summer School in Hokkaido and 6 students have been accepted as special auditors.

**■ Promotion of Student-Mobility Environment**

**○ Efforts to help develop recruiting/internship possibilities**

Students have made presentation on PARE Program at 42<sup>nd</sup> ASEAN-Japan Business Meeting held at Sapporo on October 11, facilitated opportunity to directly communicate with Japanese corporations. Also, at International Symposium held at Jakarta, Indonesia on 28 February, HU and PARE Program alumni have gathered and exchanged their views on their experiences as well as future opportunities. In addition, information sessions have been held around 5 times a year continuously.

**○ Collaboration between PARE Central Office and 6 consortium universities'**

**Liaison offices**

Various student support services have been offered by PARE Central/Liaison offices such as securing living facilities at cheaper rate.

**■ Internationalization of the university**

**Information disclosure and Publication of outcome**

**○ Enhancement of Students' mobility and Improvement of versatility of program**

Program's syllabus and e-learning materials are prepared in English. Announcement and website are made available both in Japanese and English, providing educational content and related information not only in Japan but also in abroad.

< IV invited lecture by Dr. A. Sharp >



	2012	2013	2014	2015	2016
Outbound	17	3	24	26	24
Inbound	18	40	72	73	30

< International Symposium at Jakarta >

