

**[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**

- 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).