

III. Cooperation

One of the most important philosophies employed in Green Asia is diligent strenuous collaboration, which spans not only inside – outside spheres of Kyushu University but also academic – industrial sectors as well as domestic – overseas relations. We have though that bolstered cooperative ties with those organizations play a crucially significant role in the educational process that we have designed in the Green Asia Program.

The following scheme shows the fundamental assets in terms of those collaborations.

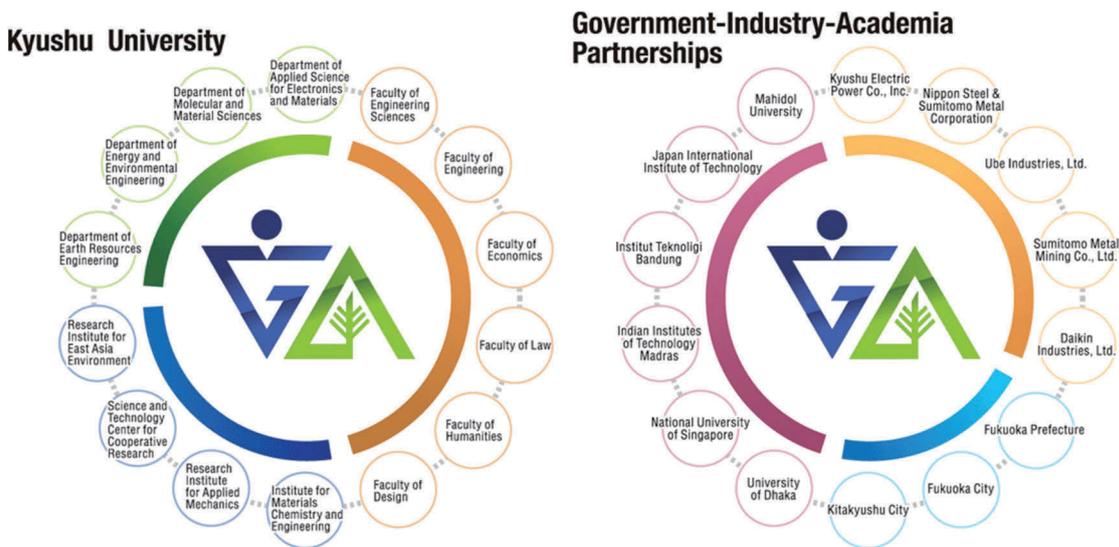


Figure 3-1. Various collaborative ties with the Green Asia Program

1. International Cooperation

Although Kyushu University as well as each of the professors committed to the Green Asia Program have affluent world-wide networks, this program has focused on seeking strong, real and concrete partnerships with major universities and institutions in Asia. Thus, we executed MoUs with six partner institutions, all of which are top-notch research universities in their respective countries: Mahidol University (Thailand), Malaysia–Japan International Institute of Technology (MJIIT), Universiti Teknologi Malaysia (UTM) (Malaysia), Institut Teknologi Bandung (ITB) (Indonesia), Indian Institute of Technology (IIT) Madras (India), National University of Singapore (NUS) (Singapore), and the University of Dhaka (Bangladesh). We call this our network of “six overseas core partnering institutions”.

As tangible forms of cooperation with them, the Green Asia Program annually conducts the following two events:

- International Advisory Board Meeting (IAB Meeting): we humbly invite counterpart professors from each of the six overseas core partnering institutions in order to enhance our collaboration, also obtain meaningful suggestions from them to make the field provided by the Green Asia Program a truly internationalized melting pot from educational point of view.

- Short-term trip: we take the Green Asia course students in a live spot to experience what is happening in Asia in terms of regional industry, research at local institutions, and real environments. The short visit takes place once a year. We ask one of our overseas core partnering institutions to serve as host for each visit. The short-term trips in 2014 and 2015 academic years are reported in **II 3.7 (1)**.

1.1. International Advisory Board Meeting

(1) The 4th International Advisory Board Meeting

We invited six faculty members from overseas core partnering institutions of the Green Asia Program, one for each institute, to the International Forum for Green Asia 2014 on November 28 and 29, 2014, and also held the 4th International Advisory Board Meeting in the afternoon of November 29 in Chikushi Campus (**Table 3-1**). In this meeting, we explained an annual progress and future plan of our program, including the international admission and overseas short-term trips, and then had an exchange of views on them. Particularly, many opinions for issues of recruitment such as a screening system and a scholarship were provided and discussed.

Table 3-1. Participants in the 4th International Advisory Board Meeting

Institution	Name
Mahidol University (Thailand)	Taweechai Amornsakchai
Malaysia-Japan International Institute of Technology	Megat Johari Megat Mohd Noor
Institut Teknologi Bandung (Indonesia)	Rudy Sayoga Gautama Benggolo
Indian Institutes of Technology Madras	Nilesh Jayantilal Vasa
National University of Singapore	Kyaw Thu
The University of Dhaka (Bangladesh)	Md. Sekul Islam
Kyushu University	Akira Harata Jun-ichiro Hayashi Keiko Sasaki Yasuyuki Nakao Bidyut Baran Saha Hiroshi Furuno Andrew Mark Spring



Photo 3-1. The 4th International Advisory Board Meeting

(2) The 5th International Advisory Board Meeting

In 2015 academic year, we selected four faculty members from overseas core partnering institutions on this program, and invited them to the International Forum for Green Asia 2015 on November 27, 2015. Therefore, we held the 5th International Advisory Board Meeting in the afternoon of November 26 in Chikushi Campus (**Table 3-2**). In this meeting, we explained an annual progress and future plan of our program, including the international admission and the overseas short-term trip, and then had an exchange of views on them.

Table 3-2. Participants in the 5th International Advisory Board Meeting

Institution	Name
Mahidol University (Thailand)	Taweechai Amornsakchai
Institut Teknologi Bandung (Indonesia)	Rudy Sayoga Gautama Benggolo
National University of Singapore	Kyaw Thu
The University of Dhaka (Bangladesh)	Kumar Aditya
Kyushu University	Akira Harata Jun Tanimoto Seigi Mizuno Keiko Sasaki Yasuyuki Nakao Bidyut Baran Saha Hiroshi Furuno Andrew Mark Spring



Photo 3-2. The 5th International Advisory Board Meeting

1.2. Overseas Short-term Trip

Overseas Short-term Trip have been supported by the overseas core partnering institutions. In 2014 academic year, we visited Mahidol University, and held a joint workshop (**II 3.7 (1) b**). The University of Dhaka also supported us in planning the short-term trip to Bangladesh in 2014 academic year, but it was unfortunately cancelled at the last minutes because of political unrest in Dhaka (**II 3.7 (1) a**). In 2015 academic year, we had a joint workshop with Yonsei University although the university is not our overseas core partnering institutions (**II 3.7 (1) e**).

1.3. International Internship

We have also received support for International Internship from the overseas core partnering institutions. In 2014 academic year, a Green Asia course student conducted his research activity in Institut Teknologi Bandung (**II 3.6 (2)**).

2. Domestic Cooperation

Yet more than hundreds and thousands collaborations with industry sectors are active in Kyushu University, the Green Asia Program asked six major organizations to participate as domestic partners from the non-academic sphere, which we define “six domestic core partnering organizations”: Kyushu Electric Power Co. Inc., Nippon Steel & Sumitomo Metal Cooperation, Ube Industries, Ltd., Sumitomo Metal Mining Co., Ltd., and Daikin Industries, Ltd., and several municipal governments under the joint project of Green Asia International Strategy by Fukuoka Prefecture, Fukuoka and Kitakyushu cities.

A wide range of cooperation has been realized, as concretely described in the next section, and is expected to keep our win-win relationships sustainable. One of the typical examples is that some of the firms are willing to offer comprehensive opportunities in which the Green Asia course students can observe domestic production lines at a factory of the firm, active mining spot; those are followed by connecting active overseas spots in a short visit. Another example is that some key engineers, industry researchers, and practitioners are invited to give special lectures to Green Asia students through the framework provided by the Green Asia Afternoon Colloquium.

2.1. Short-term Trip

We have support from the six domestic core partnering organizations for both Domestic and Overseas Short-term Trips. We visited Nippon Steel & Sumitomo Metal Cooperation in Chiba and Daikin Industries, Ltd. in Shiga as part of the Domestic Short-term Trip in 2014 academic year (**II 3.7, (2) a**). In 2015 academic year, we took a tour of facilities of Nippon Steel & Sumitomo Metal Cooperation in Oita (**II 3.7, (2) b**). Concerning Overseas Short-term Trip, Daikin Industries (Thailand) also provided an opportunity to learn actual manufacturing in Thailand (**II 3.7 (1) b**).

2.2. Internships

The six domestic core partnering organizations have also supported our internship programs, and many Green Asia course students conducted their research activities for Practice School, Domestic Internship, and International Internship in the companies or their overseas subsidiaries (**II 3.6**).

3. Cooperation with Other Programs and Institutions

3.1. Campus-wide Cooperation

(1) Cooperation with Other Programs for Leading Graduate School

There are three executing programs for Leading Graduate School in Kyushu University:

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There are three executing programs for Leading Graduate School in Kyushu University:

“Advanced Graduate Course on Molecular Systems for Devise” (Molecular Devise), “Graduate Education and Research Training Program in Decision Science for a Sustainable Society” (Decision Science), and the Green Asia Program. They started a working group to forward the programs, the principal members of which are Vice-President and Secretary General of Kyushu University as well as responsible persons and coordinators of the programs, and have regularly held meetings.

(2) Cooperation with Other Education Programs or Research Institutions

Along with two research and education centers in Kyushu University Chikushi Campus, Research and Education Center of Carbon Resources, and Research and Education Center for Advanced Energy Materials, Devices, and Systems, the Green Asia Education Center contributed to establish new research and education center “Integrated Research and Education Center for Energy Conversion, Storage, Saving, and Transport Technologies”. We have a future plan that the two research and education centers will be in charge of a research part of activities, and the Green Asia Education Center will contribute to an education part.

We have cooperated with Cooperation Graduate Education Program for the Development of Global Human Resources in Energy and Environmental Science and Technology (EEST or Campus Asia Program). This is a double degree program for master’s course with Shanghai Jiao Tong University and Pusan National University. Therefore, we prepared a system and a rule to transfer from the Campus Asia Program to the 3rd year of the Green Asia course (**II 3.10**). In 2015 academic year, three students who completed the Campus Asia Program passed the screening and moved to the Green Asia course.

3.2. Cooperation with Other Universities

From 2014, we have conducted the joint fieldwork with two programs for Leading Graduate School outside Kyushu University: “Advanced Doctoral Program in Global Resource Management” (Global Resource Management) in Doshisha University and “TAOKAYA Program for Creating a Flexible, Enduring, Peaceful Society Organization” (TAOYAKA Program) in Hiroshima University (**II 3.7 (3)**).