

# FY2016 Inter-University Exchange Project Kyushu University

Support for the Formation of Collaborative Programs with Universities in Asia

**【Name of project】**(Adopted year: FY2016, (Type A-①) **CAMPUS Asia**)

**Cooperational Graduate Education Program for the Development of Global Human Resources in Energy and Environmental Science and Technology - A New Challenge -**



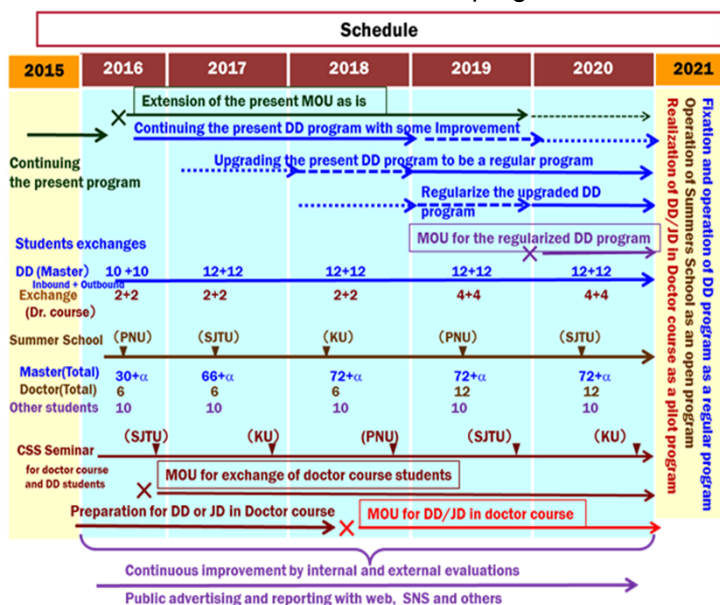
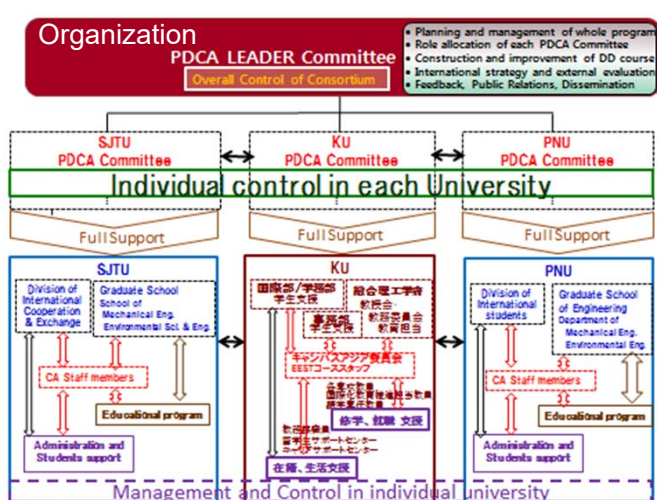
## 【Summary of Project】

The here-proposed new program takes over the previous purposes. Moreover it challenges following new three targets;

- (1) Fixation and operation of the DD program developed in the previous CA program as a regular program
- (2) Operation of Summer School as an open program with trial to charge school fees from students exterior of the EEST course
- (3) Realization of double degrees or joint degree (DD/JD) in doctoral course as a pilot program with quality assurance in awarding DD/JD as well as Credits given in the program to regularize the DD/JD program in their graduate schools and to extend the program to involve more students with openness, progressiveness and universality in science and engineering field.

## 【Summary of Exchange program】

Organization and annual schedule are given in the down side figures. For DD course students in master course, one semester exchange and attendance of two times of Summer School (SS) are mandatory. Accordingly 30 - 36 DD students in total (10-12/each university) will stay at Host Universities and 66-72 (except the first year) attend SS annually. Some will attend a research seminar named CSS Seminar. CSS Seminar is organized mainly for doctoral course students and 10-20 students from each university will attend. In addition to that, exchange program for doctoral course students will be established for the future DD/JD program.



## 【Global Human Resource on the project】

We aim to cultivate human resources who possess

- (1) highly specialized expertise and research development skill based on the expertise,
- (2) understanding of current energy and environmental issues and progressive investigation skill,
- (3) globally-competent English language skill,
- (4) professional ethics required for researchers and engineers in the globalized era as well as understanding of different cultures/races/societies.

## 【Feature on the project】

This program is designed to be fully quality-assumed graduate educational system and to enable awarding DD for the cultivation of globally-competent human resources in EEST who have profound knowledge of the specialized and related fields of EEST as well as ability of practical application of the expertise globally. After 4 years of the program operation, 72 students were awarded DD until March 2017.

## 【 Exchanged Students】

	2016	2017	2018	2019	2020
Accepted number in Japan	C 6	C 37	C 43	C 8	C 38
	K 6	K 37	K 43	K 8	K 38
Accepted number in China	J 36	J 51	J 7	J 38	J 56
	K 36	K 46	K 7	K 38	K 51
Accepted number in Korea	J 39	J 7	J 37	J 56	J 8
	C 44	C 7	C 37	C 46	C 8

# 1. FY2016 Progress

【Kyushu University】

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## ■ Exchange Programs



〈Spring Seminar in SJTU  
2016/4/26~4/28〉

◆Spring Seminar in SJTU  
12 KU students joined Spring Seminar hosted by SJTU in April.

◆Summer School in PNU  
29 students participated in Summer School hosted by PNU.  
Interim Appraisal was conducted for M2 students as one of the processes for DD.

◆CSS EEST 18<sup>th</sup> Seminar in SJTU  
49 students including doctoral students joined CSS EEST seminar hosted by SJTU to share research interests and exchange opinions.



〈Summer School in PNU  
2016/8/16~8/26〉

◆Student exchange of Master course  
10 DD students were accepted and 7 DD students were dispatched for one semester as the student exchange program. Credits were transferred to/from each university.

◆Student exchange of Doctoral course  
As a trial run for the implementation of DD/JD program, 1 Doctoral course student was dispatched and 5 students were accepted.

◆Joint International Symposium with Yonsei University (SKY 3rd) in KU  
As the series of the SKY symposium, KU hosted 3rd symposium inviting some professors from Yonsei University.

◆CA 2<sup>nd</sup> stage Kick-off Symposium in KU  
KU hosted Kick-off Symposium to relaunch CA program in FY 2016.



〈Kick-off Symposium in KU  
2017/2/22〉

◆Spring Seminar and Field trip to Kagoshima  
KU conducted Spring seminar and field trip to Kagoshima right after Kick-off Symposium with PNU and SJTU members for 3 days.

## ■ Student-Mobility

### ○ Outbound

Total of 102 students including 7 DD students were dispatched.

### ○ Inbound

Total of 50 students including 10 DD students were accepted.

## ■ Forming the University Network with Quality Assurance

### ○ International PDCA committee meeting

PDCA Meeting was held 4 times to discuss several issues.

### ○ Signing ceremony for the MOU at the Kick off Symposium

For extension of students exchange agreement aiming DD (MOU), the signing ceremony was held at the Kick-off symposium. Three representatives of consortium universities were attended.



From left :Prof. Yang Shengrong ( SJTU),  
Prof. Akira Harata (KU), and Prof. Lee Suk ( PNU)

## ■ Promotion of Student-Mobility Environment

### ○ Financial Aids and supports on Daily life

- Scholarship was paid to each students by JASSO program.
- DD students were exempted to pay tuition fee and matriculation fee to a host university under the agreement.
- Detailed information and supports were given to each student at the start of the stay in a foreign country.

## ■ Internationalization of the university

### Information disclosure and Publication of outcome

CA was awarded MEXT Minister's Award in Engineering Education

	2016
Accepted number in Japan	C 29
	K 21
Accepted number in China	J 70
	K 88
Accepted number in Korea	J 32
	C 51

## 2. FY 2017 Progress

【Kyushu University】

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### ■ Exchange Program



Field Trip to Kitakyushu

◆ **Field Trip to Kitakyushu area (June/July, 2017)**

20 students, including 10 exchange students, joined a scientific tour and field trip to Kitakyushu area for 2 days.

◆ **Summer School in SJTU (Aug. 9~20, 2017)**

Total of 96 students, (KU 27, PNU 34, SJTU 35) participated in Summer School, hosted by SJTU. Interim Appraisal was conducted for M2 students as one of the processes for DD program.

◆ **Student Exchange of Master course**

11 DD students were accepted and 9 DD students were dispatched for one semester as the student exchange program. Credits were transferred to/from each university.

◆ **Student Exchange of Doctoral course and Non-DD student**

As a trial run for the implementation of DD/JD program, 2 Doctoral course students from SJTU were accepted, and 1 Non-DD student was dispatched to PNU.

◆ **CSS-EEST 19<sup>th</sup> Seminar in KU (Nov/Dec, 2017)**

KU hosted CSS-EEST 19<sup>th</sup> Seminar aiming to promote international students exchange, and total of 173 students among 3 universities participated.

◆ **Spring Seminar in PNU (Feb, 2018)**

PNU conducted Spring Seminar held in Gyeongju, Korea, and 11 EEST course students joined and fulfilled international research exchange for 3 days.



Summer School (SJTU)



Spring Seminar (PNU)

### ■ Student-Mobility

#### ○ Outbound

Total of 50 students were dispatched, including 9 DD students (6 to SJTU, 3 to PNU), 27 students to Summer School (SJTU), 11 students to Spring Seminar (PNU), and 1 Non-DD student to PNU.

○ **Inbound** Total of 120 students were accepted, including 11 DD students (8 from SJTU, 3 from PNU), 107 students (30 from SJTU, 77 from PNU) at CSS-EEST seminar and 2 doctoral students.

### ■ Forming the University Network with Quality Assurance

#### ○ Joint appraisal for the Master thesis defense

To review and evaluate Master thesis of DD students, review committees were jointly organized within 2 universities (KU-PNU, KU-SJTU, PNU-SJTU).

#### ○ Program management by PDCA committees

PDCA meetings were held to discuss several issues for the management and improvement. They were conducted 3 times in 2017.

#### ○ CSS-EEST 19<sup>th</sup> Seminar in KU

KU hosted the 19<sup>th</sup> CSS-EEST research seminar aiming to promote international students exchange and total of 173 students among three universities participated.

### ■ Promotion of Students-Mobility Environment

#### ○ Efforts to promote outbound students to PNU/SJTU

CA faculties in PNU and SJTU supported recruitment activities for new DD candidates and follow-up the academic guidance at the host university.

#### ○ Efforts to promote inbound students to KU

CA orientation was done for new exchange students to support and give detailed information about the classes or lives at the start of the stay in a foreign country.

#### ○ Financial aids and supports

Scholarship was paid to each student by JASSO program to make the financial support for living abroad. DD students were exempted to pay tuition and matriculation fee to the host university under the agreement.

### ■ Internationalization of the university

#### Information disclosure and Publication of outcome

The latest information on the program was accordingly updated on the website.

In addition, the newsletters and the program report 2018 at the end of the fiscal year were respectably sent to all partners to share the information and the outcome of the program.

### ■ Good Practices

For students participating in the program, the questionnaires were conducted to widely gather information and opinions about their study and environment in the host university, and the program. And, they were also conducted to their supervisors to know the outcome and the pros and cons of the program.

	2017
Accepted number in Japan	C 40
	K 80
Accepted number in China	J 33
	K 36
Accepted number in Korea	J 15
	C 18