

# FY2021 Inter-University Exchange Project Kyushu University

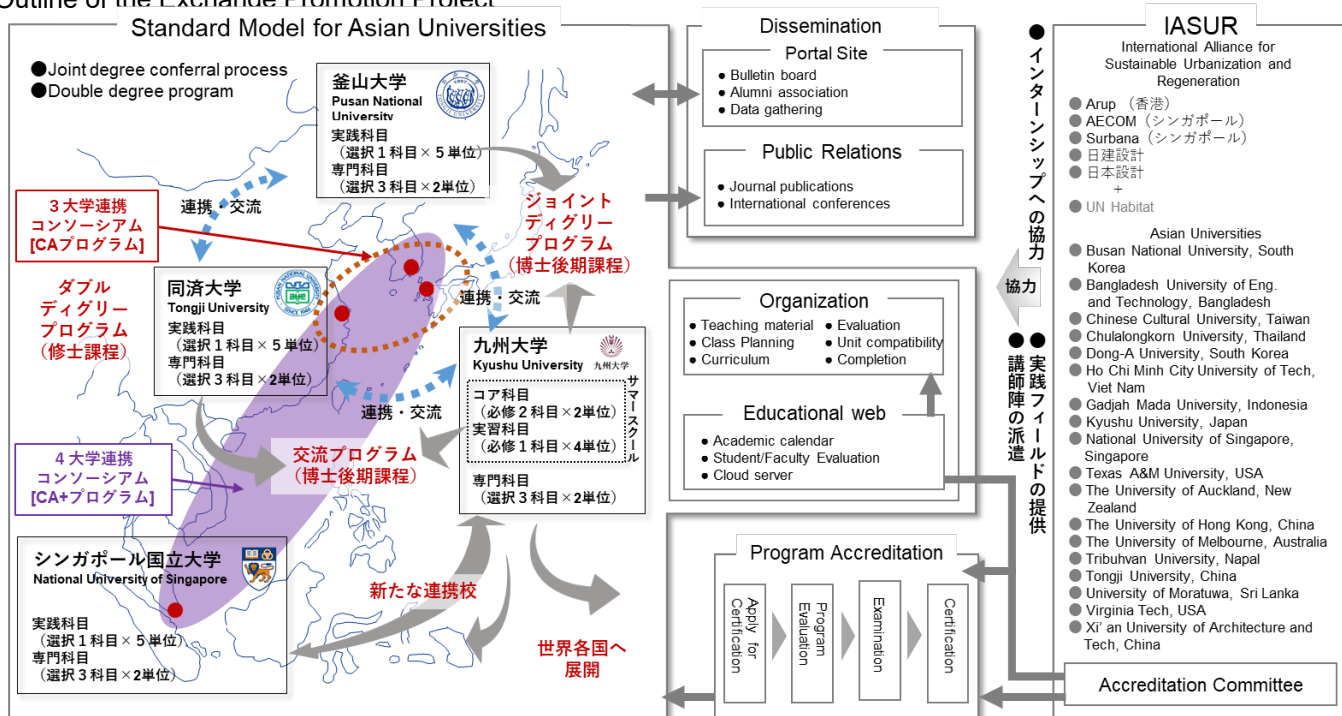
Support for promoting the establishment of Asian Higher Education Community

【Name of project】(Adopted year: FY2021,(TypeA①))

Cooperative Educational Program for Fostering Human Resources to Lead Sustainable Development of Recycle-Based Zero-Emission Urban and Architectural Environment in Asia

## Outline of the Exchange Promotion Project

### Standard Model for Asian Universities



## 【Summary of Exchange program】

The deterioration of the urban and architectural environment is an international problem in Asian countries with the rapid growth cities. And major structural reforms such as energy and resource conservation are required to achieve the sustainability in those cities. The Kyushu University is forming a four-university consortium with Tongji University, Pusan National University, and the National University of Singapore to promote education collaboration to train researchers and engineers in environment friendly cities and buildings.

## 【Global Human Resource on the project】

The educational objectives of this program are: 1) gain the knowledge and skills to evaluate and manage the impact of architecture on the environment, 2) gain the knowledge and skills to evaluate and manage the broad environmental impact of cities, and 3) gain the knowledge and skills to envision the ideal future city and architecture and make recommendations on urban architecture policies necessary to realize them. The program aims to train specialists in the fields of urbanism and architecture with broad knowledge, practical skills, and skill to work in an international environment.

## 【Feature on the project】

Integrating technologies and policies with the study of the living environment. Learn by experiencing decision making process through "practical learning" in which students learn identify urban and architectural issues and develop practical solutions.

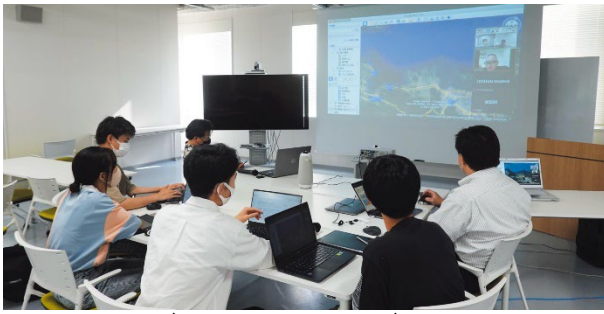
## 【Exchange number】

		2021	2022	2023	2024	2025
Out bound	Students studying abroad	0	22	22	29	29
	Students taking online international education and exchange programs in their home countries	10	0	0	0	0
	Students fulfilling both of the above requirements	0	5	5	5	5
In bound	Students studying abroad	0	18	18	18	18
	Students taking online international education and exchange programs in their home countries	7	0	0	0	0
	Students fulfilling both of the above requirements	0	10	10	12	12

# 1. FY2021 Progress

【Cooperative Educational Program for Fostering Human Resources to Lead Sustainable Development of Recycle-Based Zero-Emission Urban and Architectural Environment in Asia】(Adopted year: FY2021)

## Exchange Programs



〈 Hybrid SDC workshop〉

The double degree programs were organized as online and hybrid programs due to the COVID-19 outbreak in 2021. Several overseas universities outside the consortium (Chinese Culture University (Taiwan), Texas A & M (US)) took part in the Sustainable Design Camp program, which is part of the summer school program. The faculty members and students from overseas universities joined the program online. The spring school organized an international career path forum with the participation of architects who are active both in Japan and overseas in March 2022.

### Student-Mobility

#### Outbound

Tongji University canceled the annual "Construction Festival". The Winter Workshop at Pusan National University coincided with the examinations and the faculty members of Kyushu University participated and contributed to the courses.

#### Inbound

We accepted 2 students from Pusan National University and 10 students from Chinese Culture University to the Sustainable Design Camp. The Double Degree Program accepted 2 students from Pusan National University and 4 students from Tongji University.

	2021	
	Plan	Results
Outbound	10	0
Inbound	7	8

## Forming the University Network with Quality Assurance

Tongji University, Pusan National University, National University of Singapore, and Kyushu University formed a consortium to foster skilled specialists who can deal with the problems of future sustainable cities and buildings in Asia. The consortium aims to build an international education standard and a platform based on practical education.

## Promotion of Student-Mobility Environment

The International Student Center provides enrollment management, education, and guidance, advice, and support daily life of international students. For Japanese students, the Study Abroad Division of the International Affairs Department, and the department in charge of students will provide consultation before studying abroad.

## Internationalization of the university, Information disclosure and Publication of outcome

We have set up a Japanese-English website to disseminate news on international educational opportunities and international collaborative education activities organized both domestically and internationally to popularize the program. New information such as international workshops, seminars, and activities of the alumni association is posted in addition to the double degree application information. Universities other than the consortium, such as China, Taiwan, and the United States, have displayed interest in these programs.

## Good Practices

Our program focuses on learning urban and architectural design through experience and practical learning in an international environment. The COVID-19 outbreak limited organizing such opportunities in the last 2 years. We adopted digital data such as 3D information and video taken by 360° cameras to prepare digital data to experience the real-world site conditions in virtual space. We used Extended Reality to carry out design group projects. In addition, digital whiteboard technologies are widely applied to enhance the learning experience.

