

# Inter-University Exchange Project (Selected in FY2016)

## Tokyo University of Marine Science and Technology Project Overview

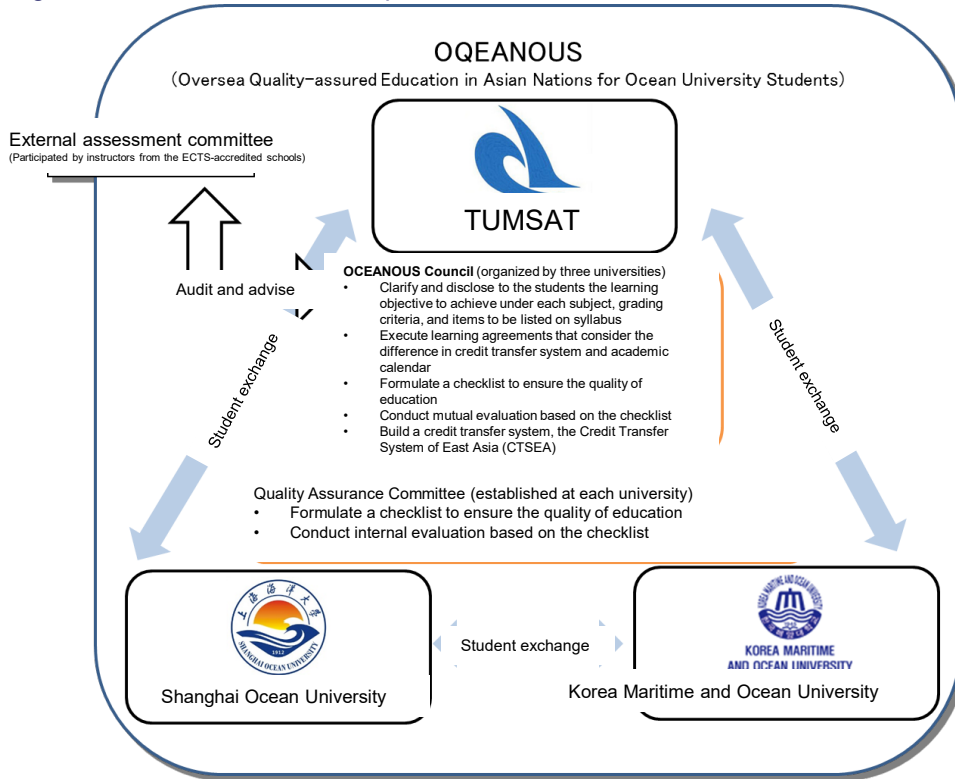
Support for the Formation of Collaborative Programs with Universities in Asia

[Name of the Project] (Year selected: FY2016 (Type A-2) CAMPUS Asia )

Collaborative international education program based on the Japan-China-South Korea version of the Erasmus at Tokyo University of Marine Science and Technology (TUMSAT)

### [Overview of the Project]

By enabling student exchange at the graduate school level while assuring the same quality as the internationally-recognized credit transfer system (the Bologna Process), develop advanced expert professionals at TUMSAT and promote exchanges between universities in Japan, China, and South Korea.



### [Overview of the Exchange Program]

An STP (research internship program) is established as a program to send college seniors who are planning to advance to a master's program to overseas for one month so that they can obtain credits by taking available graduate courses in advance, conduct research, and complete a short-term internship at the destination university. In addition, as this application's central program for students in the master's program, an IJP (collaborative international education program in the field of oceanography) and a DDP (joint degree program in the field of oceanography) are established.

With the IJP, a student will stay at a participating school other than his/her own for one semester or more based on the quality-assured credit transfer system to be worked in this application. During the stay, he/she is required to obtain six credits or more in the designated courses at the destination university and complete a long-term internship.

As for the DDP, a student will stay more than one year at his/her university as well as at other participating university. By conducting a master's thesis research and meeting the degree criteria at both universities, he/she can obtain a master's degree from both universities.

### [Human resources to be developed in this project]

For the sustainable development and utilization of the ocean, we need individuals to make environmentally strategic decisions based on long-term views as independent professionals with a wide range of expertise to solve such problems. Through interdisciplinary curriculums conducted in the Japan-China-South Korea program and course offering and internships that are quality-assured by the credit transfer system which is to be newly developed, this program will enhance students' original, creative thinking abilities and fundamental research skills in the specialized field and develop highly-skilled international professionals who are capable of considering various approaches in the actual work and link advanced expertise to problem-solving.

### [Planned Number of Exchange Students]

	2016	2017	2018	2019	2020
Acceptance in Japan (J)	C2 K1	C5 K5	C5 K5	C5 K5	C5 K5
Acceptance in China (C)	J2 K1	J5 K5	J5 K5	J5 K5	J5 K5
Acceptance in South Korea (K)	J1 C2	J5 C5	J5 C5	J5 C5	J5 C5

# 1. Progress with the Project Initiative (FY2016)

[TUMSAT]

[Name of the Project] (Year selected: FY2016 (Type A-2) CAMPUS Asia )

Collaborative international education program based on the Japan-China-South Korea version of the Erasmus at TUMSAT

## ■ Progress with the implementation of exchange programs



(Lab tour: Experiment in removing the otoliths of squid at Shanghai Ocean University)



(Experiencing Chinese class at Shanghai Ocean University)



(TUMSAT Museum of Marine Science toured by Korea Maritime and Ocean University)

## Student Mobility under the Exchange Program

### ○ Placing Japanese students

8 students were sent to Shanghai Ocean University from March 21 (Tue) to March 23 (Thurs), 2017. To encourage the participants in this short-term placement program to participate in the DDP and IJP, they were allowed to visit the campus, interact with other students, and visit labs at the university, as well as experience local culture and study Chinese culture to improve cross-cultural communication through hands-on learning.

### ○ Accepting international students

9 graduate students from Korea Maritime and Ocean University visited our university from February 8 (Wed) to February 10 (Fri), 2017 and split to each campus based on the field of choice to take a mock Japanese class, see the wave tank and flowave tank, and visited labs.

	2016
Acceptance in Japan (J)	C0 K9
Acceptance in China (C)	J8 K5
Acceptance in South Korea (K)	J0 C0

## ■ Initiative to create a framework for quality-assured inter-university exchange

- The OQEANOUS Council (renamed from the planned "Erasmus Council"), which was established with faculties and administrative staff in charge of academic affairs at three universities including in Japan, China, and South Korea, was held two times in FY2016 (three times including the preparatory meetings). Referencing the method in the Erasmus Programme in Europe, the council discussed about a standardized credit transfer system that maintains the independence of each country's graduate school education, grading criteria, specific programs (STP, IJP, and DDP), etc.
- Faculty and staff members who are familiar with the ECTS (a credit transfer system for the European countries) were invited from Ege University, an ECTS accredited school in Turkey. After getting an overview of the ECTS and explanations on their initiatives at Ege University, a roundtable discussion was held.
- In order to interview about ECTS initiatives, we visited the University of Nord in Norway. After getting an overview of the ECTS and explanations as to why the University of Nord obtained the ECTS accreditation and what initiatives are currently underway, a roundtable discussion was held.



<Roundtable discussion with universities such as Ege University>

## ■ Establishment of environment to accept international students and send Japanese students

- The OQEANOUS Council had a discussion about matters such as financial support and dormitory offerings at each university in preparation for placing and accepting Japanese students under this project.
- In preparation for the mutual implementation for placement and acceptance in this project, students who are interested in participating in this project were sent and accepted to the destination university in March 2017 to conduct mutual visits and provide information on the university for the students.
- Considerable administrative reforms were implemented in order to strengthen the support system for this project. Specifically, in addition to the new establishment of an international and teaching support section in the Academic Affairs Department and the assignment of specialized personnel in April 2017, a guideline for establishing an international exchange promotion office was formulated. Through this, a system was established to allow international affairs and international student-related affairs to be handled centrally.

## ■ State of globalization, information disclosure, and communication of the outcome of the university based on the implementation of the project

Brochures were created and distributed on and off campus for (Japanese) students at our university in order to communicate the benefits of this project and increase participants. Brochures will be distributed ongoing basis in the future at other events such as open campus to thoroughly communicate about this project.

A course catalog website for the central courses for this project will also be created to provide extensive information to exceed the contents of ECTS. (<https://www.g2.kaiyodai.ac.jp/oqeanous/>)

## ■ Best practice, etc.

In this project, a guideline was created for the Credit Transfer System in East Asia (CTSEA), which is a credit transfer system among three universities. Along with it, a scheme to execute a learning agreement with each student will be implemented. All of these information will be released on the university's website and, based on the results of this program, we will aim to expand the system in the future to other universities in Japan, China, and South Korea and develop it into student exchange with ECTS-accredited and ACTS-accredited schools.

## 2. FY2017 Progress

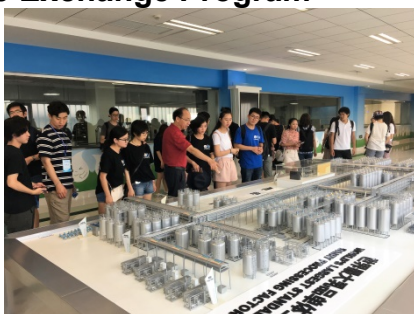
[Name of the Project] (Year selected: FY2016 (Type A-2) CAMPUS Asia )

Collaborative international education program based on the Japan-China-South Korea version of the Erasmus at TUMSAT

### Implementation Status of the Exchange Program



Meetings in advance of embarking on the International Joint Program (IJP) at Korea Maritime and Ocean university



Observation tour of Bright Dairy & Food Co.,Ltd. on Summer School in Shanghai



Laboratory tour on Short-term visit program at Korea Maritime and Ocean University

### Student Mobility in the Exchange Program

#### Placement of Japanese University Students

•The OQEANOUS Summer School 2017 on the theme of the "Use of the Oceans and Marine Resources for Sustainable Development" was held at Shanghai Ocean University from July 15 to 26, 2017. The Summer School was attended by 7 TUMSAT graduate students and 2 fourth-year undergraduate students. Here, alongside students from other universities, they attended lectures, delivered presentations, and engaged in vigorous discussion in classes conducted by faculty in a variety of disciplines dispatched by Korea Maritime and Ocean University, Shanghai Ocean University, as well as TUMSAT.

•As part of the OQEANOUS short-term visit program, 1 TUMSAT graduate student and 8 fourth-year undergraduate students visited Korea Maritime and Ocean University on August 24th and 25th, 2017, and 2 TUMSAT graduate students and 7 undergraduate students followed from March 6 to 9, 2018. In order to link the participation in this short-term visit program to the participation in the DDP and IJP programs, as well as touring the local campus and the training ship Handaba at Korea Maritime and Ocean University and interacting with other students, after a tour of the laboratories, they conducted hands-on research in laboratories relating to their own fields of interest.

•From September 2017 to February 2018, 1 undergraduate student was sent to Korea Maritime and Ocean University as a part of the first cohort of the IJP.

•From March 12 to 15, 2018, the OQEANOUS short-term visit program for 2017 was held at Shanghai Ocean University, where TUMSAT's delegation consisted of 2 graduate students and 9 undergraduate students. In order to link the participation in this short-term visit program to the participation in the DDP and IJP programs, students toured the campus and laboratories at Shanghai Ocean University and conducted hands-on laboratory research.

#### Acceptance of International Students

•2 graduate students at Korea Maritime and Ocean University were accepted to study as part of the first cohort of the IJP from October 2017 to March 2018.

•1 graduate student at Korea Maritime and Ocean University and 2 graduate students at Shanghai Ocean University were accepted as part of the first cohort of the DDP from October 2017 to September 2018.

	2017
Acceptances in Japan (J)	C 2 K 3
Acceptances in China (C)	J 20 K 9
Acceptances in South Korea (K)	J 19 C 6

Short-term visitors except on the regular program are partially included in the table.

### Efforts to Create a Framework for Inter-University Exchange Associated with Quality Assurance

Building on efforts from last fiscal year, to facilitate the smooth implementation of this project, the OQEANOUS meeting was convened two times to share information about problem areas and current situations. In addition, we concluded agreements on Double Degrees and Student and Credit Transfers and formulated guidelines for the Credit Transfer System in East Asia (CTSEA), a unified standard for credit transfer system that maintains the unique character of graduate education in Japan, China, and South Korea. Furthermore, with the aim of carrying out future student exchange in OQEANOUS more smoothly, a total of two Round Table Symposiums were held at TUMSAT and the Korea Maritime and Ocean University to further mutual understanding concerning matters of educational and research interest among faculty members at each university.



Conclusion of a Double Degree Agreement and Agreement Relating to Credit Transfer Among Maritime Universities @ TUMSAT

### Establishing an Environment Conducive to the Placement of Japanese Students and the Acceptance of International Students in Japan

To steadily accomplish the strategies worked out by the International Exchange Promotion Office, we have newly established Global Education and Research Office with the aim of improving the efficiency of information sharing for procedures relating to international students and procedures relating to international matters. This project is mainly being implemented under the aegis of the Global Project Promotion Division of this Center.

Provision of scholarships and accommodation for students placed overseas and accepted in Japan have been incorporated into the agreement for this project and are being steadily implemented in keeping with this agreement.

After efforts have been made to share specific contents among the three universities at the meeting, these are disseminated in student application guidelines, web sites, and other media.

### Status of University Internationalization, Information Disclosure, and the Dissemination of Results associated with the implementation of the project

As well as circulating pamphlets relating to this project to new students at the time of orientation, we have now held three explanation sessions for Japanese students. Moreover, having completed a dedicated web site for disclosing details of the project, we are also posting information about the latest events and news online.

Regarding student recruitment, as well as providing information not only by taking advantage of this web site but also through e-mails distributed to students, individual consultation is also available for prospective applicants. We have also posted the course catalog that constitutes the core of the European Credit Transfer System (ECTS) being aimed for by this project, are engaged in providing accepted students with information about the details of courses and subjects, and have furthermore put in place a system whereby participating students can easily obtain forms such as those for the CTSEA and Learning Agreement from the web site (<https://www.g2.kaiyodai.ac.jp/oqeanous/>).

### Good Practices, etc.

With a view to assuring the quality of education, we created a CTSEA Survey Form for objectively carrying out the evaluation of this program, and shared details on how to implement this survey among the three universities. Also, after carrying out this survey with the first cohort of students, we summarized and analyzed the results. From now on, we plan to share these results among the three universities and, while working to understand and improve any problem areas, link them to quality assurance. In the future, we aim to increase the number of subjects covered by the survey to approach even more reliable quality assurance, and to expand to student exchanges with ECTS and ACTS-accredited schools.

### 3. Progress of initiatives (FY 2018)

[Name of project] (Selection year: FY 2016 (Type A-② CAMPUS Asia))

Collaborative Education Program in Marine Science and Technology, Based on "China-Japan-Korea version" of ERASMUS (OQEANOUS Program)

#### ■ Status of implementation of exchange program



Summer School at Korea Maritime and Ocean University



Short-term dispatch / Visiting the training ship Hanbada at Korea Maritime and Ocean University



Short-term dispatch / Guidance with experiments in the engineering graduate school training center at Shanghai Ocean University

#### ■ Student transfers for the exchange program

##### ○ Dispatching Japanese students

- Tokyo University of Marine Science and Technology dispatched one graduate student to Korea Maritime and Ocean University as an inaugural DDP student. The dispatch ran from April 2018 to March 2019.
- OQEANOUS Summer School 2018 (theme: "Five ways to save and develop the ocean") was held in Korea Maritime and Ocean University from July 18 to 31, 2018. Tokyo University of Marine Science and Technology dispatched two graduate students and eight undergraduate students. Together with students from other universities, they attended classes in various fields conducted by academic staff dispatched from Korea Maritime and Ocean University, Shanghai Ocean University, and Tokyo University of Marine Science and Technology. They also gave presentations and held active discussions.
- Tokyo University of Marine Science and Technology dispatched one graduate student and two seniors to Korea Maritime and Ocean University from March 6 to March 9, 2019, as OQEANOUS short-term dispatch students. Activities such as visiting the campus, the training ship Hanbada, and the marine simulation center were conducted at Korea Maritime and Ocean University, so that the participants in the short-term dispatch program would take part in DDP or IJP.
- Tokyo University of Marine Science and Technology dispatched one graduate student each to Shanghai Ocean University and Korea Maritime and Ocean University as IJP students. Their dispatch periods began in September 2018. Similarly, one graduate student and thirteen undergraduate students were dispatched to Shanghai Ocean University from March 13 to 15, 2019, as OQEANOUS short-term dispatch students. Campus tours, Chinese classes, and Chinese cultural experiences were conducted at Shanghai Ocean University, so that the participants in the short-term dispatch program would take part in DDP and IJP. In addition, the participants were divided into four groups for activities such as visiting laboratories and getting hands-on experience of the work performed in them.

##### ○ Acceptance of international students

- Three undergraduate students were accepted from Korea Maritime and Ocean University for period from April to September 2018, and one graduate student from Shanghai Ocean University and one undergraduate student from Korea Maritime and Ocean University were accepted for the period from October 2018 to March 2019. All five were accepted as IJP students.
- Two graduate students were accepted from Shanghai Ocean University as DDP students for the period from April 2018 to March 2019.
- Participants were accepted for the OQEANOUS short-term program, with nine graduate students from Shanghai Ocean University coming to Tokyo University of Marine Science and Technology to stay from November 29 to 30, 2018. The participants were accepted for this short-term exchange program so that they would take part in DDP or IJP. They were divided into groups according to their fields of study, and participated in laboratory visits, campus tours, and Japanese language courses.

	2018
Students accepted in Japan (J)	C 12
	K 4
Students accepted in China (C)	J 15
	K 2
Students accepted in Korea (K)	J 15
	C 34

(Some of these figures include students on short-term dispatch other than under the regular program.)

#### ■ Initiatives toward forming a framework for inter-university exchange with quality assurance

- The 3rd OQEANOUS Roundtable Symposium was held on September 21, 2018 at Shanghai Ocean University, with the aim of smoothly dispatching students through matching based on research fields. Eleven professors from Tokyo University of Marine Science and Technology, three professors from Korea Maritime and Ocean University, and twenty-three professors from Shanghai Ocean University participated.
- Following on from the previous year, OQEANOUS joint meetings were held so that the project would be implemented smoothly. Three meetings were held, and information about issues and the current situation was shared. Specific future initiatives and issues regarding the project were actively discussed. For example, opinions were exchanged about matters such as the following: recruiting students for each program; summer schools; course catalogues and granting credits; the CTSEA Survey (which aims to ensure the quality of the education); the monitoring conducted at Shanghai Ocean University in December of that year; inviting the External Evaluation Committee for the project; and the schedules and details of each university's thesis review, in preparation for awarding degrees to students who are going to complete the double degree program. In addition, when the 8th OQEANOUS joint meeting was held, two experts were invited from Nord University to conduct an external evaluation regarding the project.

#### ■ Providing an environment for accepting foreign students and dispatching Japanese students

This project is principally managed by the Global Project Promotion Department in the Global Education & Research Office, a newly established body whose purpose is steady implementation of the strategies created by the International Exchange Promotion Office.

Two coordinators who are trilingual in Japanese, Chinese, and Korean have been assigned to the OQEANOUS office. They conduct pre-dispatch consultations and handle the procedures for dispatching and accepting students. A system has also been provided to enable students to contact the coordinators at the universities via social media after they have been dispatched and accepted. The students can use it to discuss any concerns and get support in an emergency. Furthermore, when Japanese students are dispatched, they have to submit a check sheet from an overseas travel safety guidebook, and take part in a crisis management seminar about traveling overseas. The agreement regarding this project also covers matters such as the provision of scholarships and accommodation for the dispatched and accepted students. The exchanges will be steadily implemented in accordance with this agreement. The specific details have been shared among the three universities through the joint meetings, and are presented to students in the recruitment guide, on the website, etc.

#### ■ Situation regarding the internationalization of universities accompanying the implementation of the project, information disclosure, and spreading of the results

Pamphlets for the project were distributed during the orientation for new students, and a total of three information sessions were held for Japanese students. An academic calendar, syllabus, and supervisor list are posted on a dedicated website. The website also has information for daily life that accepted students will need after they come to Japan. The latest events and news are also put up on the site, along with posts in which students who have participated in the program describe their experiences. Besides using the website to distribute student recruitment information, emails are also sent out to students as well as through the website, and individual consultations are also available for people who are interested. This project is aiming to be included in the ECTS. The catalogue that forms the core of this is posted on the website, providing accepted students with details about the classes. A system has also been developed to provide participating students with easy access to things like CTSEA and learning agreement forms. In addition, information on the completion requirements for subjects at each university is made available for DDP students. (<https://www.g2.kaiyodai.ac.jp/oqeanous/>)

#### ■ Good practices, etc.

An original draft was considered for a checklist to monitor whether the participating institutions are meeting the requirements on quality assurance for this program. The plan is to use this checklist when the program is rolled out to partner schools, etc. in ASEAN countries. The schedule for the thesis review and the completion requirements for the double degree program have also been compiled, and common rules have been created for the degree review scheduled to take place in AY 2019.

## 4. FY2019 Progress

[Tokyo University of Marine Science and Technology]

[Name of project] (Adopted year: : AY 2016 (Type A-(2) CAMPUS Asia))

Collaborative Education Program in Marine Science and Technology, Based on "China-Japan-Korea version" of ERASMUS (OQEANOUS Program)

\* Oversea Quality-assured Education in Asian Nations for Ocean University Students

### Exchange programs



Summer School at JAMSTEC



Short-term dispatch / Visiting the training ship Hanbada at Korea Maritime and Ocean University



Short-term dispatch / Dragon boat riding experience with instructions given at Shanghai Ocean University

### Outbound

- As a short-term dispatch arrangement for the OQEANOUS Program, four graduate students and four undergraduate students were sent from our university to the Korea Maritime and Ocean University from September 15 to September 18, and to Shanghai Ocean University from September 18 to September 22 in 2019. To ensure that some of the participants of this short-term dispatch program would be invited to participate in the Double Degree Program (DDP) for a two-semester period and the International Joint Program (IJP) for a one-semester period, the students had a tour of the campus and facilities of both universities, participated in Chinese classes, and visited the laboratories.

- Tokyo University of Marine Science and Technology dispatched one graduate student to Shanghai Ocean University as a second-generation DDP student from April 2019 to January 2020.
- Our university dispatched three graduate students and one undergraduate student to Shanghai Ocean University between March 2019 and July 2020 as IJP students.
- Our university dispatched one graduate student to Korea Maritime and Ocean University as an IJP student between March 2019 and June 2020.

### Inbound

- From July 9 to 21, 2019, OQEANOUS Summer School 2019 (theme: The practical leadership to handle various comprehensive challenges in the environment, resources and energy of the ocean) was held at our university. Two undergraduate students and three graduate students from our university, and ten students each from the Korea Maritime and Ocean University and Shanghai Ocean University participated. The students took lectures held by academic staff from the three universities covering various fields, gave presentations, and engaged in active discussions. Other activities included a visit to the comprehensive construction consultant IDEA Consultants, Inc. and a tour of the Japan Agency for Marine-Earth Science and Technology (JAMSTEC).

- Two undergraduate students and one graduate student were accepted from April to September in 2019, and one undergraduate student was accepted from October 2019 to March 2020 from Korea Maritime and Ocean University as IJP students.

- Two graduate students have been accepted from Shanghai Ocean University as DDP students for the period from October 2019 to September 2020.

- The second KMOU-TUMSAT Joint Workshop (academic lectures given by students from master's and doctoral programs) was held at our university on August 19, 2019. Two graduate students of our university and seven graduate students of KMOU held presentations on their research. The best presenter was chosen among them.

- From November 7 to 8 in 2019, 14 graduate students from Shanghai Ocean University were accepted for a short-term period. They took our university campus tour, Japanese language classes, and visited the laboratory.

	2019
Accepted number in Japan (J)	C 26 K 21
Accepted number in China (C)	J 13 K 9
Accepted number in Korea (K)	J 9 C 16

(Some of these figures include students on short-term dispatch programs besides the regular program.)

### Forming the University Network with Quality Assurance

In order to facilitate the implementation of this project, the 9th OQEANOUS Joint Meeting was held at the Korea Maritime and Ocean University on June 25 2019, and the 10th OQEANOUS Joint Meeting was held at our university on November 19, 2019. We exchanged information on the results of the OQEANOUS CTSEA (Credit Transfer System in East Asia) Survey to guarantee the results and quality of the external evaluation. In addition, we created a checklist for self-inspection and verification from an internal evaluation standpoint, in order to check matters such as program information being properly provided to students on the website. The checklist is also to be used when the OQEANOUS Program is rolled out to partner universities, etc. in ASEAN countries.

- A DDP Student Symposium was held by students who earned a double-degree under the OQEANOUS Program on November 19, 2019 and by students who are currently participating in DDP. Four DDP students gave a presentation on the improvements made in the OQEANOUS Program, and shared the results among the three universities.

- On February 22, 2020, an external evaluation hearing was held at Ege University concerning the efforts made by our university for this Project. There was a question-and-answer session and an exchange of opinions on matters such as the current situation regarding the course catalog, performance evaluations, learning agreements, student exchanges, and thesis examinations for the awarding of double-degrees.

### Promotion of Student-Mobility Environment

This Project is principally managed by the Global Project Promotion Division in the Global Education & Research Office, a newly established body whose purpose is the steady implementation of strategies created by the International Exchange Promotion Office. Two coordinators who are trilingual in Japanese, Chinese, and Korean have been assigned to the OQEANOUS office. They conduct pre-dispatch consultations and handle the procedures for dispatching and accepting students. A system has also been provided to enable students to contact the coordinators at the universities via social media after they have been dispatched and accepted. The students can use it to discuss any concerns and get support in an emergency. Furthermore, when Japanese students are dispatched, they have to submit a check sheet from an overseas travel safety guidebook, and take part in a crisis management seminar about traveling overseas. The agreement regarding this Project covers matters such as the provision of scholarships and accommodation for the dispatched and accepted students. Such matters have been steadily implemented in accordance with this agreement. The specific details have been shared among the three universities through the Joint Meetings, and are presented to students in the recruitment guide, on the website, etc.

### Internationalization of the university

#### Information disclosure and Publication of outcome

Pamphlets for the Project were distributed during the orientation for new students, and an information session was held for new Japanese students. An academic calendar, syllabus, and supervisor list are posted on a dedicated website of each university. The website also has information on daily living that accepted students will need after they come to Japan. Latest events and news are also published on the site, along with posts made by students who have participated in the Program, which describe their experiences. Besides using the website to distribute student recruitment information, emails are also sent out to students, and individual consultations are also available for people who are interested. This Project is aiming to be included in the European Credit Transfer System (ECTS). The course catalog that forms the core of the ECTS is posted on the website, providing accepted students with details about classes. A system has also been developed to provide participating students with easy access to things like CTSEA and learning agreement forms. For DDP students, the requirements for completing the subjects of each university are also published. For AY 2019, the participants of the OQEANOUS Project share their experiences, which are published in a booklet. They are distributed in explanatory meetings and orientation sessions, and to those who are interested in this project. The participants' experiences will also start to be posted on the website from AY 2020.

### Good Practices

A checklist was created to check whether the participating institutions are meeting the requirements on quality assurance for this Program. The checklist is also to be used when the OQEANOUS Program is rolled out to other partner universities, etc. in ASEAN countries. To check whether this Program has helped promote the growth of its intended target audience, a survey for students after they completed this Program was considered.

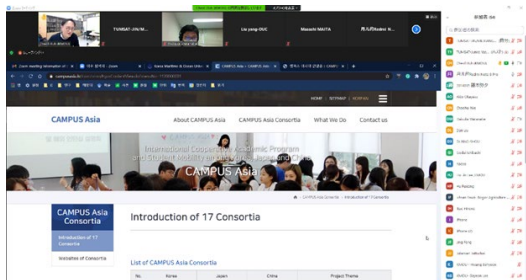
## 5. FY 2020 Progress

[Name of project] (Adopted year: : AY 2016 (Type A-② CAMPUS Asia))

Collaborative Education Program in Marine Science and Technology, Based on "China-Japan-Korea version" of ERASMUS (OQEANOUS Program)

\* Oversea Quality-assured Education in Asian Nations for Ocean University Students

### ■ Exchange programs



1st OQEANOUS Joint Information Session (Online)



14th OQEANOUS Meeting (Online)



### Student Mobility

#### ○ Outbound

- In FY 2020, it was not possible to dispatch students due to restrictions on the entry into China and Korea owing to COVID-19. However, since March 2021, one of our undergraduate students has been taking online classes provided by Shanghai Ocean University as an IJP student, and plans to complete the program in June the same year with at least six credits, which is a requirement for completing the IJP.

- In FY 2019, a student of the master's program who had been dispatched to Shanghai Ocean University as a DDP student had their thesis examined, and completed our university's program in March 2021. In June of the same year, he will become the second Japanese DDP student to receive a double degree from Tokyo University of Marine Science and Technology.

- In order to recruit students to participate in the medium- and long-term programs (IJP and DDP), we held the 1st OQEANOUS Joint Information Session with the two other universities in March 2021. The purpose of this information session was to not only introduce the contents of the programs, but to also promote each university. Ten students from our university participated.

#### ○ Inbound

- Since October 2020, we have accepted three IJP students from Korea Maritime and Ocean University. Until their arrival in Japan, all the students took classes online for the first semester of the Master's course of our university. Two of the students arrived in Japan in December and took face-to-face classes. In March 2021, all three students completed the program with at least six credits, which is a requirement for completing the IJP.

- Joint thesis examinations were held for two Shanghai Ocean University DDP students online in May 2020. They completed the DDP and graduated with a degree from our university in September of the same year.

- Since October 2020, we have accepted two DDP students from Shanghai Ocean University. One student declined to participate in the program halfway through, partly due to restrictions on entry into Japan caused by COVID-19. However, the other student received a credit for our university's required course online.

- In order to recruit students to participate in the medium- and long-term programs (IJP and DDP), we held the 1st OQEANOUS Joint Information Session with the two other universities in March 2021. The purpose of this information session was to not only introduce the contents of the programs, but to also promote each university. In introducing Tokyo University of Marine Science and Technology, we used virtual campus tours and promotional videos to rouse more interest in our university. Twenty-five students from Shanghai Ocean University and one student from Korea Maritime and Ocean University participated.

		R2
Accepted number in Japan (J)	C 2 K 3	
Accepted number in China (C)	J 1 K 0	
Accepted number in Korea (K)	J 0 C 0	

### ■ Forming the University Network with Quality Assurance

In order to facilitate the implementation of this project and to share and resolve issues, we held the 11th OQEANOUS Meeting online in July and August of 2020. Participants shared information on border measures, etc. and restrictions on the entry of foreign nationals due to COVID-19, and the status of online classes at each university. They also discussed the possibility of conducting a quality-guaranteed STP online (short program that lasts for about two weeks), which is implemented every summer. At the 12th and 13th OQEANOUS meetings held in October and November, the survey items and methods for the questionnaire survey to be conducted with companies to which graduates of the program belong were finalized, and the survey was conducted at each university after the 13<sup>th</sup> meeting. At the 14th OQEANOUS Meeting held in March 2021, we shared the reported results of questionnaire surveys from each university and the results of external evaluations conducted by Ege University in February 2020. In addition, we exchanged views on the status of developing human resources aimed at the program, and reflected on the survey results for future programs. On the same day, all three universities held an academic staff exchange meeting. Twelve academic staff members with experience dispatching and accepting students in the program participated, and made a broad range of suggestions for improvements to the program.

### ■ Promotion of Student-Mobility Environment

This project is principally managed by the Global Project Promotion Division in the Global Education & Research Office, an established body whose purpose is to steadily implement strategies created by the International Exchange Promotion Office. Two coordinators who are trilingual in Japanese, Chinese, and Korean have been assigned to the OQEANOUS office. They conduct pre-dispatch consultations and handle the procedures for dispatching and accepting students. The coordinators and OQEANOUS students at each university are connected via social networking services to provide counseling and emergency support even after dispatch and acceptance. The students can use it to discuss any concerns and get support in an emergency. In FY 2020, we assigned coordinators as a contact for students taking online classes remotely. The purpose of this was to provide an environment for students to be able to take classes smoothly, e.g., by checking with academic staff members on the possibility of conducting classes online that students would like to take, and suggesting classes that can be offered online. In particular, during the DDP dissertation review, the coordinators shared information on the different review methods used at the three universities, coordinated between the supervisors of the dissertation reviewers, attended the dissertation presentations, and provided interpretation when necessary to ensure that the review went smoothly.

### ■ Internationalization of the university

#### Information disclosure and Publication of outcome

We have created and uploaded a promotional video of this project on YouTube (<https://www.youtube.com/watch?v=t-HD7pwKo3l>), and also posted it on the dedicated website for this program. In addition, at the 1st OQEANOUS Joint Information Session jointly held by the three universities in March 2021, we explained about our university and the details of the program using this video, and also explained about the video and program website to participants. Note that not only students from the three universities, but also academic staff and other staff members from the ASEAN countries' affiliate universities, such as Chulalongkorn University (Thailand), Kasetsart University (Thailand), and Can Tho University (Vietnam) participated in the joint information session. This was a very meaningful activity to promote the program's future development in ASEAN countries.

### ■ Good Practices

To check that this program had achieved the development and provision of human resources, and in order to implement an attempt to evaluate the program based on the results, we conducted a questionnaire survey for companies, etc. that program graduates belong to. The survey was conducted using a common format among the three universities, and Korea Maritime and Ocean University finally aggregated and analyzed data of the three universities. The results were shared at the OQEANOUS Meeting in May 2021, leading to improvements of the program for the future.