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MARE
**WP3.1 Deployment and
Implementation of E-Mare**



VMU

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One of MARE purposes is to support partner institutions in providing and upgrading equipment which is used in facilitating teaching and learning activities. It is an honor of VMU to become a partner of MARE network and receive significant support under MARE project. Currently, VMU has received advanced equipment and facilities sponsored by MARE as listed in the below table.

Table 1. List of equipment at VMU sponsored by MARE

No	Name of Equipment	Quantity	Installation location /Department in charge (DIC)
1	Teleconferencing Equipment	1 set	Location: The meeting room at VMU's main campus DIC: The International Relations Department
2	Amplify Mixer	1 set	Location: The meeting room at VMU's main campus DIC: The International Relations Department
3	Central unit for Conference system	1 set	Location: The meeting room at VMU's main campus DIC: The International Relations Department
4	Chairman Unit of Conference system	1 unit	Location: The meeting room at VMU's main campus DIC: The International Relations Department
5	Delegate units of Conference system	10 units	Location: The meeting room at VMU's main campus DIC: The International Relations Department
6	Electret Condenser Microphone	11 sets	Location: The meeting room at VMU's main campus DIC: The International Relations Department
7	Mixer 12 line	1 set	Location: The meeting room at VMU's main campus DIC: The International Relations Department
8	Cables and other installation components	1 set	Location: The meeting room at VMU's main campus DIC: The International Relations Department
9	MacBook Pro 13	2 units	Location: The meeting room at VMU's main campus



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			DIC: The International Relations Department
10	Computers for e-learning materials production	2 units	Location and DIC: - Environment Engineering Institute - Civil Engineering Faculty
11	Streaming Green Screen	2 units	Location and DIC: - Environment Engineering Institute - Civil Engineering Faculty
12	Wireless Lavalier Microphone System	2 sets	Location and DIC: - Environment Engineering Institute - Civil Engineering Faculty
13	Camera	2 sets	Location and DIC: - Environment Engineering Institute - Civil Engineering Faculty

Since the completed installation on 16th January 2021, several activities related to MARE project have been organized in the meeting room no. 2.1 of Vietnam Maritime University.

In the first half of 2023, there have been important events taken part in the room successfully thanks to great operation of existing equipment and facilities. Significantly, from 15th to 17th February, 2023, Vietnam Maritime University is honoured to hold the MARE project meetings and workshop on “The Enterprise-Academy Connection on Marine Coastal and Delta Sustainability”. On 16th February 2023, the workshop was held with the participant of many famous universities and a large number of enterprises in the maritime field from Germany, Italy, Estonia, Malaysia, and Vietnam. In this workshop, all partners have taken a chance to share their viewpoints on the roles of different institutions and organizations to build a strong network for educational and training purpose. Case studies in Vietnam, Estonia and Malaysia were presented, allowing MARE partners to share experiences, to discuss and learn from each other in an open atmosphere. The workshop also provides initiatives in action-based learning approach and the establishment of online courses for sustainable development.



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Figure 1.1 *The workshop “The Enterprise-Academy connection on Marine Coastal and Delta Sustainability*

On the 18th February 2023, an e-book meeting was organized at Vietnam Maritime University with 18 participants from 5 Vietnamese institution partners of MARE project. This is a continuant meeting after the first e-book meeting held in HCMUNRE in December 2022. In this meeting, all partners have shared their work on organizing and restructuring the e-book named “An overview of Natural Resources and Environment in Coastal Areas of Vietnam”. Taken the remarks in the previous meeting, members in the e-book composing board have worked dedicatedly to complete the workload. In an opening discussing atmosphere, all partners have reached agreement on the final outline of the e-book and main contents of each chapter. Further activities to edit the e-book are also assigned and planbed for the coming meeting in June 2023.



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Figure 1.2 *The e-book meeting at VMU on Feb 2023*

In May 2023, a group of lecturers, staffs and students of Vietnam Maritime University have participated in conference and workshop organized by MARE partner in Italy. Upon the completion of these activities, the representatives of VMU have had a meeting with President Pham Xuan Duong and other leaders of VMU to report on the results of this trip in the meeting room no 2.1. Generally, all participants have shared their impression with the research activities of institutions such as National Research Council (CNR) or IRBIM in Italy and the simulation system named “Marine Spatial Planning”. Besides, updated knowledge and coordinating activities between MARE partners have been discussed during the conference that allow VMU to tighten the relationship with other partners and further complete our mission in MARE project. VMU President and other leaders have expressed trust and expectation in the coming outcomes of the project.

At the two academic units where sponsored equipment was installed, many meaningful outcomes were delivered. During the Covid-19 period, there was students who couldn't come to classes and laboratories that caused bad influences on their ability to capture knowledge and follow the studying schedule. Consequently, using equipment provided by MARE project, lecturers of Civil Engineering Faculty and Environment Engineering Institute have made videos to record lectures of selected courses. The materials were shared to students with free access so that they could continue their learning progress quickly after recovering from the disease. Later, when Covid-19 has no longer prevented the off-line teaching and learning activities at VMU, these equipment and facilities have been used by lecturers and students to produce reference materials, sharing interesting and useful knowledge in a more effective format to learners. For instance, videos of



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practical exercises which are normally conducted inside a lab allow students to watch on their phones or laptops at anytime and anywhere. A series of short video clips with lively images and ear-catching music was proven to be an effective method to introduce meaningful and updated information to more and more learners. These works have been in the process of editing, and soon will be shared to learners via our website. Some images of students' videos are presented below.



Figure 1.3 Videos made by VMU students to illustrate a practical exercise in the course of Environment Management