

Title:	MARE - Marine Coastal and Delta Sustainability for Southeast Asia
Number:	10327-EPP-1-2019-1-DE-EPPKA2-CBHE-JP
Coordinator:	Center for Multimedia in Higher Education (ZMML), University of Bremen
Partners	UniHB, UNICT, EMU, CNR, HCMUNRE, VMU, CTU, MCD, VNIO, UniKL, UTM, UTP, UMT

Location:



**Universiti Malaysia Terengganu,
Institute of Oceanography and
Environment
21030 Kuala Nerus
Terengganu, Malaysia
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Outline:

- 01. 6th – 7th Nov 2022 TOMSY-MARE Roundtable and Special Session**
- 02. 8th – 10th Nov 2022 MARE Project Meeting**
- 03. Visiting to UMT Facilities**

- 01. 6th – 7th Nov 2022**

TOMSY-MARE Symposium: Roundtable Discussion

A special MARE-TOMSY session was conducted, which began with a roundtable discussion among panelists from industries and university on **“the role of higher education and industry-academia collaboration for capital development”**.

Three panelists were invited, and the session was chaired by UMT Mare project leader Prof. Dr. Mohd Fadzil Mohd Akhir, Director, Institute of Oceanography and Environment, UMT. Below is the list of panelists, two of them from the industry sector and one from the university.

Panelists: **Mr. Mirza Iryawan Bin Hamza**
Director
Hidrokinetik Technologies Sdn. Bhd.
Jalan Suria Setapak,
Taman Suria Setapak,
53000 Kuala Lumpur,
Wilayah Persekutuan Kuala Lumpur

Dr. Hii Yii Siang

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General Manager
Pakar Scieno TW Sdn. Bhd.
25, Jalan Pengacara U1/48
Temasya Industrial Park, Section U1
40150 Shah Alam
Selangor, Malaysia.

Prof. Dr. Adi Maimum Bin Abdul Malik
Professor
Faculty of Mechanical Engineering
Universiti Teknologi Malaysia
81310 Johor Bahru
Johor, Malaysia.

In summary, the discussion centred around the mutual benefits and needs of industry and academic, as well as the challenges faced while working together.

These are some of the questions and summary of the answers by the panel;

1. Can you share some of your experience working with university previously and probably some of the success stories from your experience?

Mr. Mirza: It is important for industry to always work closely with university, there are many experiences from my company such as working with UMT where the company can improvise the product they innovate by engaging with university researchers to solve various problem that we faced. This industry-university ecosystem is a win-win situation.

2. I think one of the problems is the working culture differences that sometimes become obstacles for both parties to work together. How should we avoid this and improve?

Dr. Hii: With university background, I have to say that both entities have different culture, however from my experience, we can actually try to understand differences and work with mutual understanding by appreciating the different styles of work between us.

3. What does industry need from university and what can industry offer to university?

Prof Adi: The industry can support 2 major things; 1. Provide research platform that is related to solutions to various industry needs that university can help through research they good at and 2. Industry can provide training ground for student and also give them experience in the real working environment.



Roundtable Discussion, from right: Prof. Dr. Mohd Fadzil Mohd Akhir, Prof. Dr. Adi Maimum Abdul Malik, Dr. Hii Yii Siang, and Mr. Mirza Hamza



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TOMSY-MARE Symposium Special Session:

TOMSY special session on MARE (Marine Coastal and Delta Sustainability for Southeast Asia) with the theme “**Enhancing Learning in Higher Education through Advancement in Marine Science Research**”. In total, there were six oral presentations from MARE partners as follows:

1. **Dr. Anton Shkaruba, Estonian University of Life Sciences**
Title: MARE Approach to Higher Education and Research Training and the First Results



2. **Dr. Hee Min The, Universiti Teknologi Petronas (UTP)**
Title: Immersive Learning of an Engineering Design Course Through a Real-Life Problem-Based Project



3. **Assoc. Prof. Dr. Daniele La Rosa, University of Catania, Italy**
Title: Spatial planning to Address Ecosystem Services Trade-Offs in Coastal areas



4. **Dr. Vincenzo Maccarrone, Institute For Marine Biological Resources And Biotechnology**
Title: Tools for Training the Future Blue Citizenship Italian National Research Council



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5. **Dr. Shamila Azman, Universiti Teknologi Malaysia (UTM)**
Title: Impact of Covid-19 on Teaching and Learning in Environmental Management

6. **Assoc. Prof. Dr. Pietro Scandura, University of Catania, Italy**
Title: Numerical Simulation of Breaking Waves Through the SPH Method





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02. 8th – 10th Nov 2022 MARE Project Meeting

Welcoming speech by Prof. Dr. Mohd Fadzil Mohd Akhir, Director, Institute of Oceanography and Environment (INOS), UMT. This MARE meeting was organized with the support of staff members of INOS and Faculty of Science and Marine Environment (FSSM), UMT.

He also summarized the activities, meeting contents and logistics arrangement throughout the three days event to the MARE partners.



Dr. Igor Novopashenny (UniHB) highlight the status report of the financial and administrative issues especially on the documentation of equipment purchase. The photocopies of the original stock register must be provided. Partners with official documentation language not in English should have all documents translated to English. He also emphasized the important information needed for the preparation of the final financial and technical report which should be submitted before 15th September 2023. The last financial period (6th Period is from 15th July 2022-14th September 2023)



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The last financial period (6th Period is from 15th July 2022-14th September 2023). In this period the partners have to submit ITR with the supporting documents within 2 weeks after the end of mobility.

MARE partners presenting their final version of e-learning platform.

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Representative from Can Tho University,
Climate Change Research Institute (CTU)
Presenting the final version of teaching and
learning materials



Dr. Thoa Le Thi Kim, Ho Chi Minh City University Of
Natural Resources and Environment (HCMUNRE)
presented the full version of e-learning system
developed for courses under MARE



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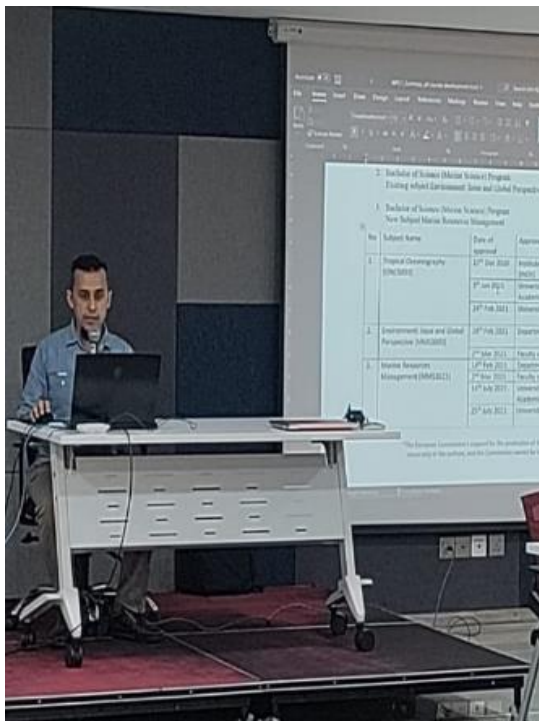
Dr. Muhammad Kasffi Bin Ramli representing Universiti Kuala Lumpur (UniKL) demonstrates the e-learning platform used by UniKL



Prof. Dr. Adi Maimun Bin Abdul Malik from Universiti Teknologi Malaysia (UTM) showed their e-learning platform used for MARE courses.



Dr. Haizatul Hafizah Hussain from Institute of Technology Petronas SDN BHD (UTP) presenting the UTP version of e-learning used for MARE courses.



Prof. Dr. Mohd Fadzil Mohd Akhir from Universiti Malaysia Terengganu, presenting a summary of all MARE courses with focus on Tropical Oceanography developed under MARE project.



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General comments/suggestions

- Suggest all MARE courses should be open access or a common password be provided for all partner institutions so that students and staff could access the learning materials. In relation to that, all teaching and learning materials should be prepared in English or with translation so that it could be understood by the wider public.
- Continuous quality control should be emphasized so that staff quality, students' progress, syllabus quality, and statistical record evaluation could be improved from time to time.
- Vietnam partner institutions are in the process of producing an eBook, Malaysia and European Partners are invited to edit the finished contents. The meeting agree that Dr. Sharmila from UTM will lead the ebook effort. Further discussion will be organize soon to discuss the content of the book.
- Additional activities are proposed in the extended eligibility period by HCNMRE and CNR that would aim at multiplying MARE impact and enhancing sustainability; HCMUNRE has suggested to develop 3 brand new courses worth 8 ECTS (including teaching and learning materials for the courses), and to take coordination of an electronic book in Vietnamese addressing multidisciplinary approaches to marine and coastal sustainability; CNR has suggested to organise a Spring School in May presenting EU approaches to managing marine biodiversity and sustainable coastal communities.

Presentation on establishment of sectoral collaborative platforms in each PC. Report on the current status was presented by Dr. Siti Nur Fathiyah Jamaludin, UTP. UTP has invited Dr. Nor Bakhiah Binti Baharim, Technical Chairman of The Coastal and Marine Geology Technical Committee from Institute of Geology Malaysia (IGM) to share their role and functions for MARE partners to explore potential future collaboration.





STAKEHOLDER ENGAGEMENT

BETWEEN

**INSTITUTE OF GEOLOGY MALAYSIA
(Technical Committee of Coastal & Marine Geology)**

with

**MARINE COASTAL AND DELTA SUSTAINABILITY FOR
SOUTHEAST ASIA (MARE)**



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DR NOR BAKHIAH BAHARIM, P.GEOL, M.I.G.M
Chairman, Technical Committee of Coastal & Marine Geology

Important follow-ups suggested in the context of this discussion:

- To explore options for co-branding of the FYP student webinar
- To explore options for MARE co-branding with the Seminar of Geohazards Marine and Climate Change
- To explore options for MARE co-branding with the Summer Camp 2023.

The Vietnam approach on sectoral collaboration was presented by by Dr. Thoa Le Thi Kim (HCMUNRE); the feedback was to supply the coordination unit with all the relevant documentation and to post relevant news on the project website and the Facebook group.

The final sharing for MARE Meeting was a presentation by Dr. Nam Tran The, Vietnam Maritime University (VMU). Dr. Nam explained and provided details on the Business-academy conference that will be held at Hai Phong from 15 – 17 February 2023.





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03. Visiting to UMT Facilities

All MARE partners were brought to visit INOS Gallery and Hatchery at AKUATROP UMT. They also went to Kuala Terengganu River estuary to visit UMT research vessel (RV Discovery) and toured around the river estuary on UMT speedboats. A welcoming dinner hosted by INOS, UMT was held for all MARE partners at Duyung Marina and Resort.



UMT, INOS Gallery

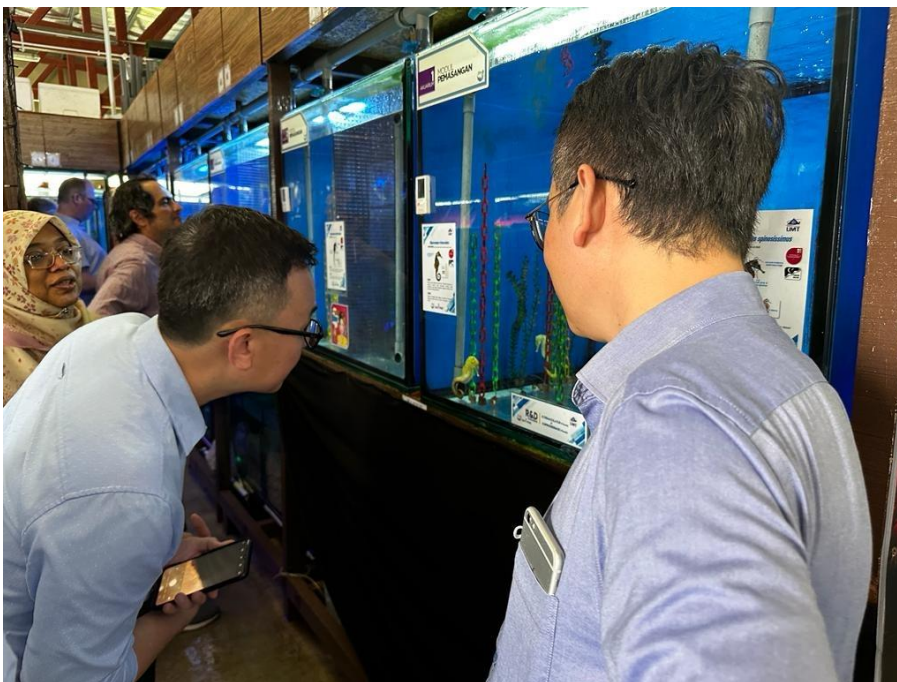


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UMT, AKUATROP Hatchery



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MARE Partners onboard UMT speed boat to tour around Kuala Terengganu River estuary



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Welcoming dinner for all MARE partners at Duyung Marina and Resort,
Kuala Terengganu.