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**MARE -Marine Coastal and Delta
Sustainability for Southeast Asia**

**TOMSY-MARE in UMT, Malaysia,
6th – 7th Nov 2022**



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. Attendees for TOMSY-MARE Roundtable and Special Session**
- 02. 6th – 7th Nov 2022 TOMSY-MARE Roundtable and Special Session**

01. Attendees for TOMSY-MARE Symposium

1	Anton Shkaruba	Estonian University of Life Sciences (EMU)
2	Arvo Tuvikene	Estonian University of Life Sciences (EMU)
3	Paul Teesalu	Estonian University of Life Sciences (EMU)
4	Daniele La Rosa	University of Catania (UNICT)
5	Vincenzo Maccarrone	Institute for Marine Biological Resources and Biotechnology of the National Research Council (IRBIM-CNR)
6	Pietro Scandura	University of Catania (UNICT)
7	Teh HEE MIN	Institute of Technology Petronas SDN BHD (UTP)
8	Shamila Azman	Institute of Technology Petronas SDN BHD (UTP)
9	Nur Hidayah Roseli	Universiti Malaysia Terengganu
10	Ismila Che Ishak	Universiti Kuala Lumpur (UniKL)
11	Haizatul Hafizah Hussain	Institute of Technology Petronas SDN BHD (UTP)
12	Amayrol Zakaria	Universiti Kuala Lumpur (UniKL)
13	Muhammad Kastifi Ramli	Universiti Kuala Lumpur (UniKL)
14	Novopashenny Icol	University of Bremen (UNIHB)
15	Ogurol Y Edirag	University of Bremen (UNIHB)
16	Salm Martina	University of Bremen (UNIHB)
17	Scwedes Kui	University of Bremen (UNIHB)
18	Mohd Fadzil Mohd Akhir	Universiti Malaysia Terengganu (UMT)

02. 6th – 7th Nov 2022

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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
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.



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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 improve 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.



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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





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



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



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

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



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