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COLLABORATIVE PLATFORM FOR MALAYSIAN PARTNERS WITH INSTITUTE OF GEOLOGY MALAYSIA (IGM)



Home | MaGiCo! MARE-IGM

MaGiCo! is a partnership of MARE (Marine, Coastal and Delta Sustainability for Southeast Asia) and Institute of Geology Malaysia (IGM). Erasmus+ MARE sectoral collaborative platform for Malaysian is championed by Universiti Teknologi PETRONAS (UTP). This is conducted through the collaboration wit...

WIX Magicomareigm



Final Report on Sectoral Collaborative Platform (SCP) for Malaysia Partners with Institute of Geology Malaysia (IGM)



Prepared by:
Dr. Siti Nur Fathiyah Jamaludin
Universiti Teknologi PETRONAS
Erasmus+ MARE Project



Introduction

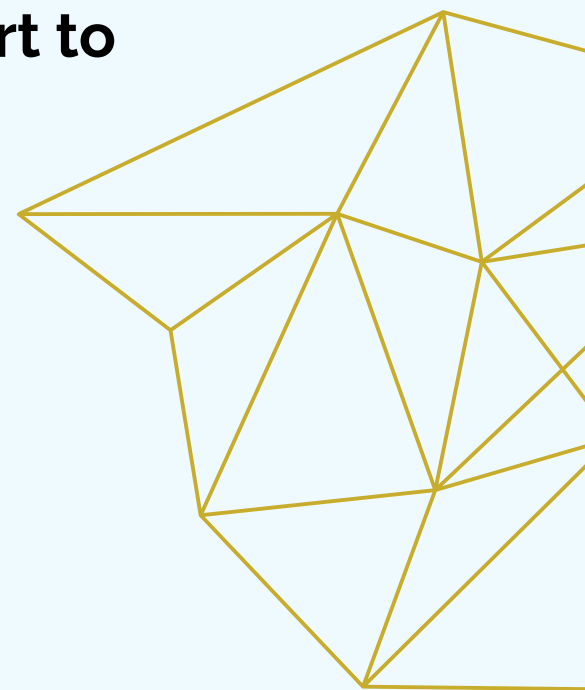
Marine, Coastal and Delta Sustainability for Southeast Asia (MARE) is an international joint project between institutions from Malaysia, Germany, Italy, Vietnam, and Estonia, funded from the European Union (EU) funding under the Erasmus+ Capacity Building in Higher Education (CBHE) action.

MARE aims to develop sustainable governance and management of coastal, delta and marine (CDM) socio-ecological systems in Malaysia and Vietnam and adjacent marine through ICT-enhanced tertiary education linked to labor markets and water stakeholder circles. In Malaysia, MARE is championed by UTP, and it is conducted through the collaboration with the Institute of Geology Malaysia (IGM), under the Coastal and Marine Geology Technical Committee working group and Geological Society of Malaysia (GSM).

Objectives

MARE and IGM has agreed to ensure that collaborative platform is success on the following objectives:

1. To develop shared MARE open education environment platform and online training services of the new generation for **qualitative improvement of the education process & academic workflow support among universities & stakeholders across the PCs & EU.**
2. To create sustainable feedback mechanisms to end-users, **ensuring adaptive and practice-relevant teaching contents, knowledge co-production opportunities and stakeholder support to post-project course development & teaching.**
3. In addition to quality curriculum contents, it also creates innovative ICT-based management system for **teaching, learning and research training, and builds institutional mechanisms to engage stakeholders with research and education to improve the relevance of educational provision to the society.**





INSTITUT GEOLOGI MALAYSIA

INSTITUTE OF GEOLOGY, MALAYSIA

Bilik Sumber Geologi (Tingkat 1), Bangunan Sains Geologi,
Fakulti Sains dan Teknologi, Universiti Kebangsaan Malaysia
43650, Bandar Baru Bangi, Selangor

Tel : 011-1056 3193

Email : secretary@igm.org.my Website : www.igm.org.my

Council 2022/2023

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Gs. Abd. Rusli Jaapar, P.Geol., F.I.G.M

Vice-President

Abdullah Sulaiman, P.Geol., F.I.G.M

Secretary

Gs. Wan Md. Nizam Wan Isa, P.Geol., F.I.G.M

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Dr. Rohayu Che Omar, P. Geol., M.I.G.M
Yip Foo Weng, P. Geol., F.I.G.M
(Co-opted)

Ref. No.: IGM/2022-23/MCG(01)

Date: 20 November 2022

Dr. Siti Nur Fathiyah Jamaludin,
11-03-32, Block 11,
Universiti Teknologi PETRONAS,
32610 Bandar Seri Iskandar,
Perak, Malaysia.

COMMITMENT LETTER FOR SECTORAL COLLABORATIVE PLATFORM (SCP) BETWEEN IGM COASTAL & MARINE GEOLOGY WORKING GROUP WITH ERASMUS+ MARE TEAM AT UTP

Dear Dr. Siti Nur Fathiyah Jamaludin,

This letter serves as the official commitment of Institute Geology Malaysia (IGM) under the Coastal & Marine Geology Technical Committee with the team of academicians participating in Erasmus+ Marine, Coastal and Delta Sustainability of Southeast Asia (MARE) in Malaysia, which is championed by the Universiti Teknologi PETRONAS (UTP).

In support of the existing Erasmus+ MARE project, both of us would agree for co-organizing the MaGiCo! Webinar which is a webinar series organized together between UTP and IGM. Not just that, the previous participation from Erasmus+ MARE group in our events such as the National Symposium of Deep Seabed Mining and Postgraduate Colloquium had shown a positive outcome from the involvements of IGM and MARE.

Further to our communication and active collaboration activities, please be informed that we are glad to continue the existing networking via sectoral collaborative platform and to leverage further even after the completion of this Erasmus+ MARE project. The shared outcome of this collaboration is aimed to improve the visibility and sustainability of the coastal and marine geology within young students at schools and universities level, particularly in Malaysia.

Regards,

INSTITUTE OF GEOLOGY MALAYSIA

DR NOR BAKHIAH BAHARIM

Head Technical Committee,
Marine and Coastal Geology.



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Commitment between MARE-IGM

The collaboration between IGM and MARE has begun since 2020, at the beginning of MARE project. During the initial stage of the collaboration, the initiative was led by Mr. Mohamad Shaufi Sokiman and was then followed by Dr. Siti Nur Fathiyah Jamaludin since 2022 until the end of the project. A commitment letter between the IGM and MARE-UTP has been signed on 20th November 2022 to show the interest and commitment in working together for sectoral collaborative platform (SCP). MARE logo has also been added in our website since 2022 as one of the main collaborator.

Commitment letter between IGM and MARE.

SCP MARE-IGM Members

Advisor

Prof. Ir. Dr. Shaharin Anwar Sulaiman (UTP)

Chairperson

Dr. Siti Nur Fathiyah Jamaludin (UTP & IGM)

Vice-Chairperson 1

Dr. Nor Bakhiah Baharim (UMT & IGM)

Vice-Chairperson 2

Mr. Shaufi Sokiman (IGM)

Secretary

Ms. Sarah Farhanah (IGM)

Members

Dr. Abdullah Sulaiman (Mineral & Geoscience Department & IGM)

Mr. Wan Mohamed Nizam Wan Isa (IGM)

Dr. Arifah Ali (UTM)

Dr. Muhammad Hafeez Joe fry (UMT)

Dr. Khairul Anuar Saad (UniKL)

Dr. Teh Hee Min (UTP)

Ms. Azianti Azhari (GEX Sdn. Bhd.)

Working Group

Dr. Siti Nur Fathiyah

Dr. Nor Bakhiah

Webinar

Ong Poh Yee
Intan Nur Dania
GeOceans UMT

Conference

Shaufi Sokiman
Azianti Azhari

Sustainability

Dr. Teh Hee Min
Dr. Muhammad Hafeez

Website

Nurul Fatin Izzatie
Shahirah Mohd Sabri

Promotion

Wan Mohamed Nizam
Sarah Farhanah

Collaboration Activities of SCP MARE-IGM

01

3rd National
Workshop on
Coastal and
Marine
Geology 2021

02

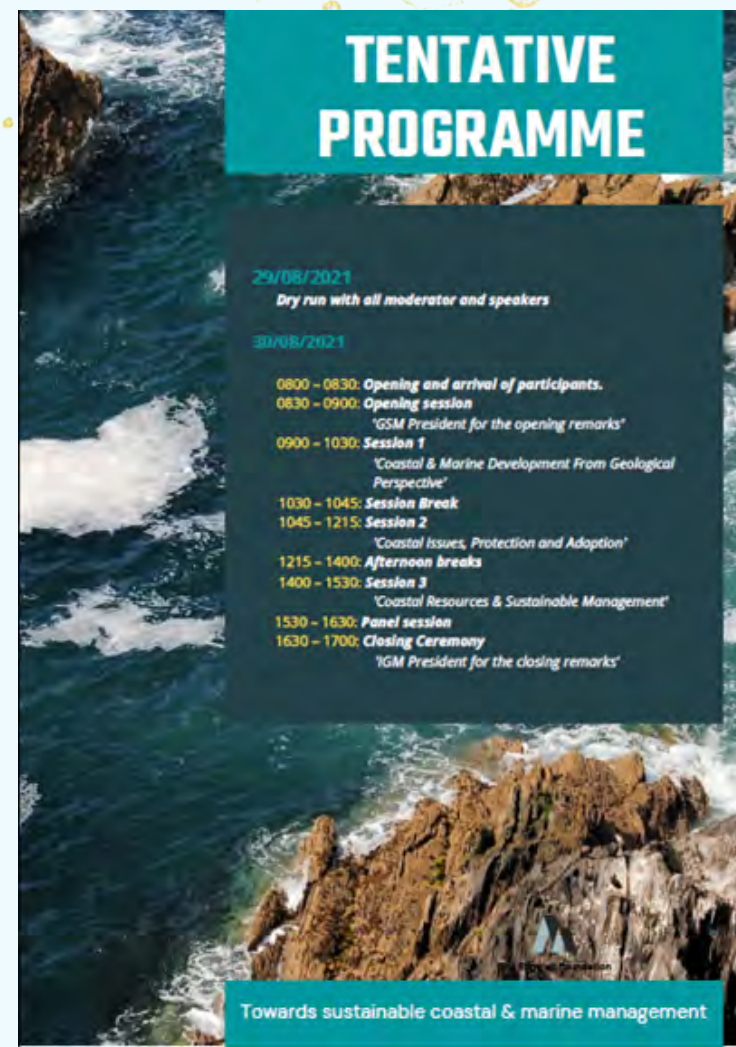
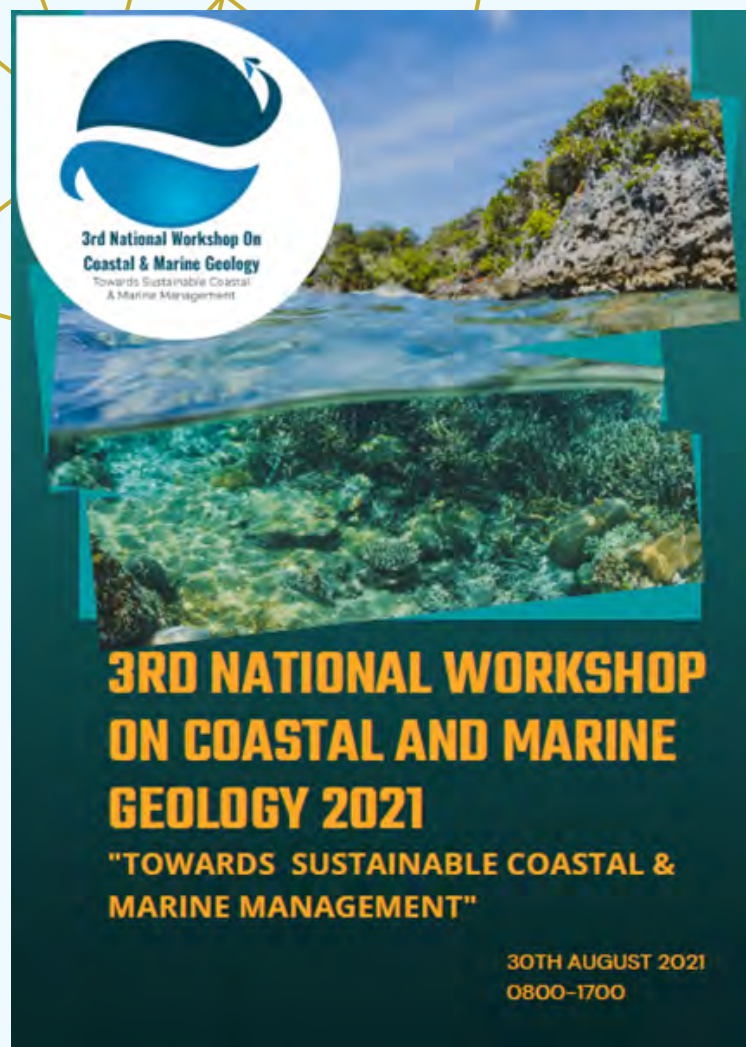
Coastal
Malaysian
Institution
Virtual
Colloquium
Series 04/2021

03

Seminar on
Coastal & Marine
Geology 2022 -
Deep Seabed
Mining:
Perspectives from
a Developing
Nation

04

MaGiCo!
Webinar Series
(January - May
2023)



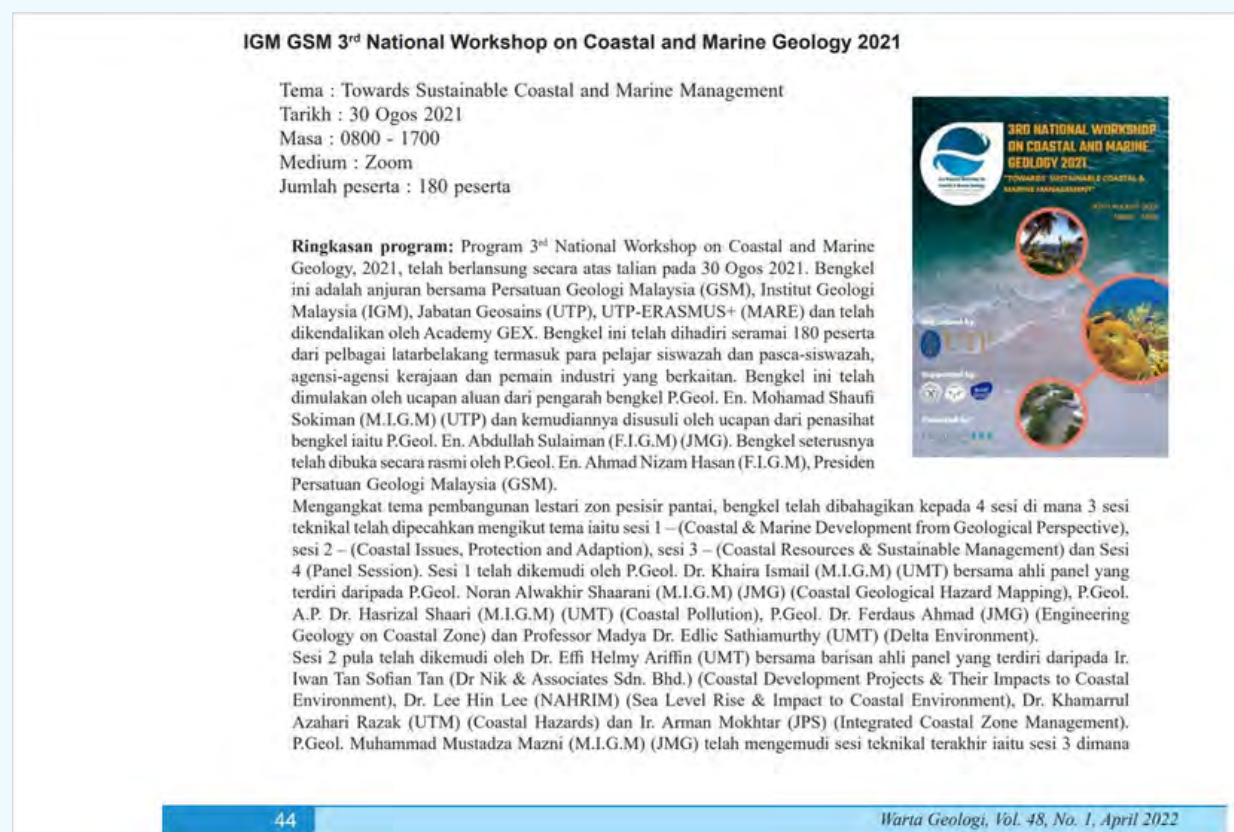
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3rd National Workshop on Coastal and Marine Geology 2021

- The 3rd National Workshop on Coastal and Marine Geology was held on 30th August 2021.
- The theme for this year was "Towards Sustainable Coastal and Marine Management".
- This one-day workshop successfully gathered 171 participants excluding the speakers and moderator.
- Besides that, it has been reported and published in Warta Geologi, Vol.48(1) (April 2022).

Report on IGM-GSM 3rd National Workshop on Coastal and Marine Geology 2021.



Coastal Malaysian Institution Virtual Colloquium Series 04/2021






COASTAL MALAYSIAN INSTITUTION COLLOQUIUM

SERIES 04/2021



VIRTUAL COLLOQUIUM
 THURSDAY,
 30th December 2021
 2.00 PM - 5.00 PM


MEETING LINK:
<https://tinyurl.com/COASTDec2021>
 MEETING ID:
 878 6675 4543

Come & Join us!


DR. NOR BAKHIAH BAHARIM (UMT)
 ACADEMICIAN SPEAKER


P.GEOL. AMIRRUDDIN BIN ROSNI (MRP SDN BHD)
 INDUSTRY SPEAKER


MS. SYAFIQAH AMIR (UTP)
 POSTGRADUATE SPEAKER


MS. NURIN ADINA ROSLEE JELANI (UMT)
 POSTGRADUATE SPEAKER


P.GEOL. MOHAMAD SHAUFI SOKIMAN M.I.G.M
 MODERATOR

REGISTER NOW & GET YOUR E-CERT


FOR ENQUIRIES : 6011-23863297 (MS FATIN)/6016-2337106 (MS ISMIHA)



EVENT SCHEDULE

COASTAL MALAYSIAN INSTITUTION COLLOQUIUM SERIES 04/2021

PARTICIPANTS REGISTRATION : 2.00 PM - 2.30 PM

01 **OPENING CEREMONY**
 2.30 PM - 2.40 PM
 P.GEOL ABD. RASID JAAPAR, F.I.G.M
 PRESIDENT
 INSTITUTE OF GEOLOGY MALAYSIA (IGM)

02 **ACADEMICIAN SPEAKER**
 2.40 PM - 3.10 PM
 DR. NOR BAKHIAH BAHARIM
 SENIOR LECTURER
 UNIVERSITI MALAYSIA TERENGGANU (UMT)

03 **INDUSTRY SPEAKER**
 3.10 PM - 3.40 PM
 P.GEOL. AMIRRUDDIN BIN ROSNI
 (MRP SDN BHD)

04 **POSTGRADUATE SPEAKER**
 3.40 PM - 4.10 PM
 MS. SYAFIQAH AMIR
 MASTER IN PETROLEUM GEOSCIENCE
 (UTP)

05 **POSTGRADUATE SPEAKER**
 4.10 PM - 4.40 PM
 MS. NURIN ADINA ROSLEE JELANI
 MASTER IN OCEANOGRAPHY
 (UMT)

06 **CLOSING CEREMONY**
 4.40 PM - 5.00 PM
 P.GEOL. AHMAD NIZAM HASAN, F.I.G.M
 PRESIDENT
 GEOLOGICAL SOCIETY OF MALAYSIA
 (GSM)

THURSDAY,
 30TH DECEMBER 2021
 2.00 PM - 5.00 PM
 COASTAL MALAYSIAN
 INSTITUTION COLLOQUIUM

FOR REGISTRATION


FOR PLATFORM


FOR ENQUIRIES : 6011-23863297 (MS FATIN)/6016-2337106 (MS ISMIHA)

IN COLLABORATION WITH:



 COORDINATOR:


Poster and tentative program for the virtual colloquium series 04/2021.

Seminar on Coastal and Marine Geology 2022: Deep Seabed Mining: Perspectives from a developing nation



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**SEMINAR ON COASTAL & MARINE
GEOLOGY 2022**

**DEEP SEABED
MINING:
PERSPECTIVES FROM
A DEVELOPING NATION**

Enhancing participation of developing
nations in regulating deep seabed mining

9TH MARCH 2022
8.30AM - 5.00PM
MYT GMT +8.00
VIA ZOOM APPLICATION

REGISTER HERE



ORGANISED BY: 

SUPPORTED BY: 

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FOR ENQUIRIES: 6011-23863297 (MS FATIN), 6016-2337106 (MS ISMIHA)

INSTITUTE GEOLOGY OF MALAYSIA
PRESENT

SEMINAR ON COASTAL & MARINE GEOLOGY 2022

**DEEP SEABED MINING:
PERSPECTIVES FROM A
DEVELOPING NATION**

Enhancing participation of developing nations in regulating deep seabed mining

ABOUT

The extraction of minerals from the deep seabed seems imminent, highlighting the urgency for coherent and effective regulations to safeguard the deep-sea environment. Primarily, the deep seabed mining will occur within the Area, designated as the "common heritage of mankind". Nevertheless, not everyone is aware of the exploration activities happening in the Area. As a developing nation, Malaysia's participation and active involvement with the regulatory body, International Seabed Authority, is crucial to ensure that any action taken within the Area is in our knowledge.

FOR WHOM?

Government officials, industry professionals, scientists, environmental groups, other stakeholders and the public; who want to gain knowledge and be informed on the current state of deep seabed mining activities and deep seabed related disciplines.

WHY?

The deep-sea is the last frontier on our planet. Much of this challenging environment is still unexplored and unknown to human knowledge. Yet, the deep sea is no longer free from anthropogenic activities. The need for active participation in intergovernmental partnerships will strengthen the enforcement of deep seabed mining regulations and mitigation strategies. Here, we create a platform for a dialogue on how developing nations can educate, participate, and take action regarding deep seabed activities.

REGISTER HERE



ORGANISED BY: 

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FOR ENQUIRIES: 6011-23863297 (MS FATIN), 6016-2337106 (MS ISMIHA)

MaGiCo! Webinar Series January 2023



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Land2Sea geohazard analysis:

experiences and
advancements from a decade of
investigations of
Mt Etna, Italy

Dr. Felix Gross
25.01.2023

MaGiCo! WEBINAR SERIES JANUARY 2023

KIEL MARINE SCIENCE
Center for Ocean and Society
CAU
Christian-Albrechts-Universität zu Kiel

Challenges in controlling coastal erosion due to climate change

A Chronological Events

Effi Helmy Ariffin

MaGiCo! WEBINAR SERIES JANUARY 2023

Title 1: Challenges in controlling coastal erosion due to climate change

Title 2: Land2Sea geohazard analysis: experiences and advancements from a decade of investigations of Mt Etna, Italy



Dr. Effi Helmy
UNIVERSITI MALAYSIA TERENGGANU
MALAYSIA



Dr. Felix Gross
KIEL UNIVERSITY
GERMANY

"Dr. Effi's research interests focus on the interaction between hydrodynamic process (Numerical modelling) and coastal morphodynamic as response to seasonal monsoon for coastal management and coastal protection proposes."

"Dr. Felix's major research topic is the analysis and assessment of shoreline-crossing geological structures and processes, which can lead to marine geohazards like landslides, earthquakes, and tsunamis, and particular interest is integrative studies, which include a holistic approach from hazard identification to hazard assessment."



DATE
25 Jan, 2023



TIME (GMT)
TITLE 1: 3.00-4.15PM
TITLE 2: 4.15-5.30PM

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**Total
Attendance**

116 attendees



Job Title

- Student: 10 attendees
- Others: 106 attendees



Country

- Malaysia: 111 attendees
- Others: 5 attendees

Poster of MaGiCo! Webinar Series January 2023

Virtual presentation by the speakers.

MaGiCo! Webinar Series February 2023

Poster of MaGiCo! Webinar Series February 2023

MaGiCo! WEBINAR SERIES FEBRUARY 2023

Title 1: UN Decade of Ocean Science for Sustainable Development 2030: The Science we need for the Future we want

Title 2: Assessment of Estonian coastal sea pollution through fish biological abnormalities



Prof Dato' Dr Noraieni Mokhtar
UMT, MALAYSIA



Prof Dr Arvo Tuvikene
ESTONIAN UNIVERSITY OF LIFE SCIENCES, ESTONIA

"Prof Dato' Dr Noraieni's research aligns with SDG 14 which focuses on marine resource management and policies that incorporates a database system between governmental, non-governmental and intergovernmental organizations."

"Prof Dr Arvo's major research interest focuses on the hydrobiological monitoring of lakes and seas whereby fish physiology and biomarkers are incorporated with the purpose of assessing the aquatic ecology and toxicology of the lakes and seas."



DATE
25 Feb, 2023



TIME (GMT)
TITLE 1: 3.00-4.15PM
TITLE 2: 4.15-5.30PM

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SEACARL

Virtual presentation by Prof. Dr. Arvo Tuvikene on the Assessment of Estonian Coastal Sea Pollution through Fish Biological abnormalities.

Assessment of Estonian coastal sea pollution through fish biological abnormalities

Arvo Tuvikene
Estonian University of Life Sciences, Tartu, Estonia




		
Total Attendance	Job Title	Country
322 attendees	<ul style="list-style-type: none"> Student: 217 attendees Others: 105 attendees 	<ul style="list-style-type: none"> Malaysia: 321 attendees Others: 1 attendees

MaGiCo! Webinar Series

March 2023



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MaGiCo! WEBINAR SERIES MARCH 2023

Title 1: Local community in the management of Tioman Island Marine Park
Title 2: Functions of coral reef organisms and their ecosystems under rapid environmental change



Mr Alvin Chelliah
REEF CHECK MALAYSIA
MALAYSIA



Prof Dr Christian Wild
UNIVERSITY OF BREMEN
GERMANY

Mr. Alvin's research interests focus on the coral reef growth and monitoring around the islands of Malaysia with special focus on Tioman Island.

"Prof Dr Christian's major research interest focuses on the effects of climate change on coral reefs as well as the study on environment changes of coral reefs due to nitrogen cycling."

 **DATE**
22 MAR, 2023

 **TIME (GMT)**
TITLE 1: 3.00-4.15PM
TITLE 2: 4.15-5.30PM




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Total Attendance	Job Title	Country
271 attendees	<ul style="list-style-type: none">Student: 195 attendeesOthers: 76 attendees	<ul style="list-style-type: none">Malaysia: 266 attendeesOthers: 5 attendees

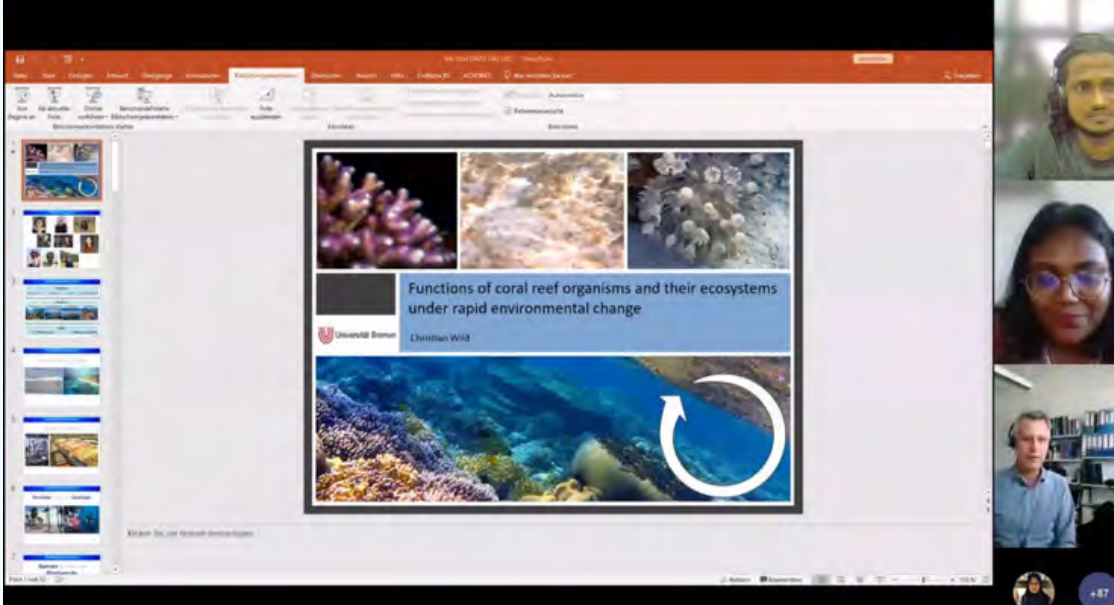
Poster of MaGiCo!
Webinar Series
March 2023

Virtual presentation by the speakers.



Local community involvement in the management of Tioman Island Marine Park

Alvin Chelliah
Reef Check Malaysia



MaGiCo! Webinar Series April 2023



MaGiCo! WEBINAR SERIES APRIL 2023

Title 1: Marine seismic acquisition and role of the industry practitioner in sustaining the marine environment

Title 2: Offshore sand mineral resources in Malaysia



Mr Rahimi Faizal bin Ibrahim
PETRONAS
MALAYSIA



PGeol Abdullah bin Sulaiman
JABATAN MINERAL & GEOSAINS
MALAYSIA

"Mr. Rahimi's research interests focus on the marine seismic acquisition with special focus on marine environment sustainability."

"PGeol Abdullah's major research interest focuses on offshore sand resources and mineral potential in Malaysia as well as the study on potential and implications of offshore sand mining in Malaysia."



DATE
12 APR, 2023



TIME (GMT)
TITLE 1: 3.00-4.00PM
TITLE 2: 4.00-5.00PM

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Total Attendance	Job Title	Country
183 attendees	<ul style="list-style-type: none"> Student: 63 attendees Others: 120 attendees 	<ul style="list-style-type: none"> Malaysia: 178 attendees Others: 5 attendees

Virtual presentation by the speakers.

Poster of MaGiCo! Webinar Series April 2023

MaGiCo! Webinar Series May 2023



Co-funded by the
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MaGiCo! WEBINAR SERIES MAY 2023

Title 1: Enhancement of coastal environment in Teluk Nipah through a research and social responsibility project

Title 2: Terengganu Turtle Tourism: Embracing ESG Principles in Eco-Tourism



Ts Dr Teh Hee Min

UNIVERSITI TEKNOLOGI PETRONAS
MALAYSIA



AP Dr Mohd Uzair Rusli

UNIVERSITI MALAYSIA TERENGGANU
MALAYSIA

"Ts Dr Teh's major research interest focuses on hydrodynamics of coastal structures, wave and storm surge modelling, renewable wave energy and physical modelling."

"AP Dr Uzair's research interest focus on the energetics of sea turtle hatchlings during their nest escaping process with special focus on the effects of energy consumption on the hatchling's survival and swimming performance. "



DATE
24 MAY, 2023



TIME (GMT)

TITLE 1: 3.15-4.00PM
TITLE 2: 4.00-4.45PM

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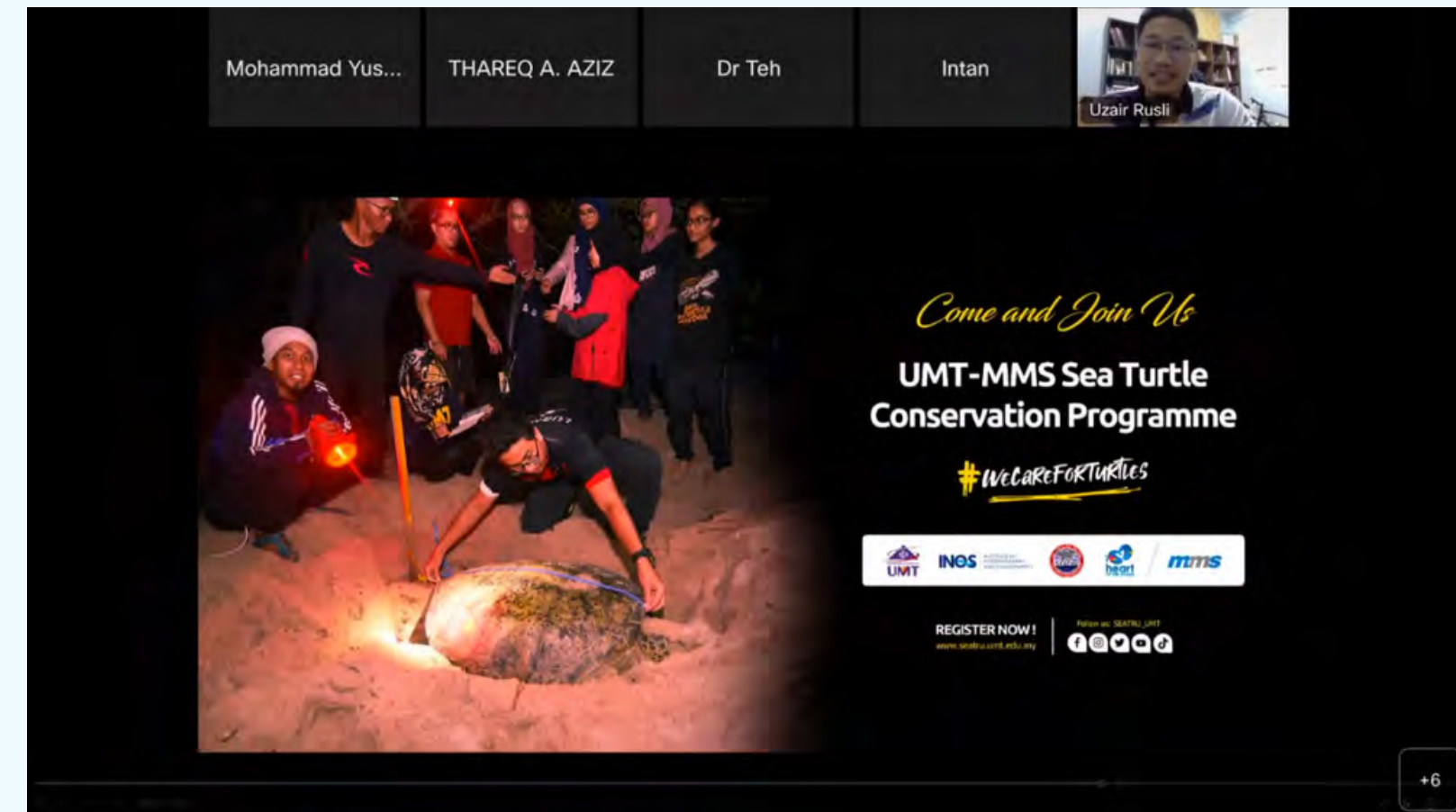
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CURES
CENTRE FOR URBAN RESOURCE SUSTAINABILITY



Poster of MaGiCo! Webinar
Series May 2023.



Virtual presentation by AP
Dr. Mohd Uzair Rusli on
Terengganu Turtle Tourism:
Embracing ESG Principles in
Eco-Tourism.

approximately 265 were in attendance

Future activities with IGM beyond MARE (sustainability of the collaboration)



Ocean School

Ocean School is planned to be conducted in one of the islands in east coast of Peninsula Malaysia. The purpose of Ocean School is to educate the residents of the island, especially younger generation about how their island was formed from the perspective of geological process (ie: intrusion, uplifting, erosion etc). Several activities are plan throughout the Ocean School Program that includes teaching and learning, fieldtrips, hand sample observations and treasure hunt. If this program is successful, we plan to extend the program to the other islands in Malaysia.

Course for coastal mapping

This activity is planned to target university students enrolling in Geology, Geoscience, Marine Geoscience, Civil and Environmental Engineering and Marine Engineering in Malaysia. It will 3 days 2 nights activity where all participants will be stationed in suitable coastal area in Kapas Island, Terengganu. Participants will be expose to traditional and modern technique of coastal mapping.



THANK YOU