

GREEN GROWTH ASIA FOUNDATION

Programme Impact Report

2016-2020

Years of Accomplishments

GREEN GROWTH ASIA FOUNDATION PROGRAMME IMPACT REPORT 2016-2020

Writers

Nur Syafinaz binti Mohd Kamal
Aysha binti Zamuel

Editors

Sri Themudu

Designers

Nur Syafinaz binti Mohd Kamal
Aysha binti Zamuel

Green Growth Asia Foundation
2021

© Green Growth Asia Foundation

All rights reserved. * Insert copyright text

Published by:

Green Growth Asia Foundation

No 21-2, Jalan DR 1, Taman Delima,

75150 Bukit Baru,

Melaka.



06 - 231 7009



contactus@greengrowthasiafoundation.org/



<https://greengrowthasiafoundation.org/>



Green Growth Asia Foundation



Green Growth Asia Foundation



Green Growth Asia Foundation

INTRODUCTION

Introduction	1
Who We Are	2
Advisory Committee Members	3
Advisory Committee Members	4
Executive Director's Message	5
Vision, Mission, Pillars	6
The Green Growth Pathways	7

CHAPTER 1: THE JOURNEY TO SUSTAINABILITY

Environmental Education in Malaysia	11
Malaysian Youth, The Major Beneficiary	12
The Pursuit for Sustainability with GGAF	13
The Challenges	14
The Ultimate Solution	15

CHAPTER 2: THE EDUCATION PATHWAY PROJECTS

Education & Sustainable Development	19
Youth Media Advocacy & Environment Conservation	19
Industrial Revolution	20
Climate Change	20
Entrepreneurship	20

CHAPTER 3: EDUCATION FOR SUSTAINABLE DEVELOPMENT

Eco-Schools Programme	24
Melaka Eco-Schools Programme	27
Kedah Eco-Schools Programme	28
Perak Eco-Schools Programme	29
Kelantan Eco-Schools Programme	30
Eco-Schools Programme Partners	31

CHAPTER 4: PRIMARY IMPACT - STORIES

Eco-Schools Summit Melaka 2019	35
The Santai Hijau Bersama Pemimpin Programme	36
Water Conservation Programme	37
The Media Engagement Visit to Melaka Green Flag Schools	38
Governor of Bengka Belitung Visit to Melaka	40
Green Flag Schools	41
Eco-School's Angels	
Melaka Environmental Week	

CHAPTER 5: YOUTH MEDIA ADVOCACY FOR ENVIRONMENT

Young Reporters for the Environment Programme	46
Melaka Water Day 2019 Celebration	47
YRE Lifelong Experience at The Datai Langkawi	48
YRE International Competition	49
The #YREstayhome Competition	50
YRE Workshop	53
YRE Environmental Pitching	54

CHAPTER 6: CONSERVATION

The Conservation Challenges	57
Melaka: The City of Heritage Tourism	58
Conservation Efforts to Protect Melaka Heritage	59
Turtle Conservation Awareness Through Education	60
The Back 2 Nature - Turtle Camp Programme 2019	61
Turtle Talk Session by WWF Malaysia	62
Beach Clean-Up Along Padang Kemunting Beach	63
Hawksbill Turtle, The National Heritage of Melaka	64
Sea Turtle Friendly Lighting Project	65
Mini-Conference Turtle & Plastic	66
Documentary Video of Light Pollution & Hawksbill Turtle	67

CHAPTER 7: INDUSTRIAL REVOLUTION 4.0

Is Malaysia Ready for the Industrial Revolution 4.0?	71
Entrepreneurship Education and Training (EET)	72
The Zero to Maker Programme	73
Importance of Innovation and Entrepreneurship Workshops	74

CHAPTER 8: CLIMATE CHANGE

Climate Change in Malaysia	77
Empower & Educate the Young People	78
Climate Ready Classroom Programme	79
The Carbon Literacy Workshop	80
Tiny Forest Project Workshop	81
Digital Climate Change Marathon	82
The Digital Climate Change Marathon Book	83

CHAPTER 9: ENTREPRENEURSHIP

Entrepreneurship Education in Malaysia	87
--	----

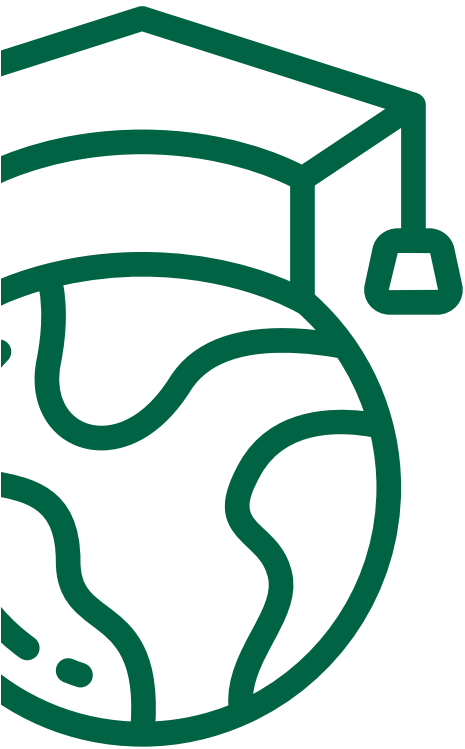
CHAPTER 10: MEDIA

Melaka Moots Eco-Schools	91
Melaka, GGAF, WWF	92
GGAF Raise Awareness Among The Youth	93

CHAPTER 11: OUR PARTNERS

A Powerful Network	97
Official Event for Partners Engagement	98
The Partners	99
GGAF Partners & Programmes	101

INTRODUCTION



The Green Growth Asia Foundation Programme Impact Report 2016-2020 highlights the vision, goals and strategies that define the role of Green Growth Asia Foundation as the powerful networks of partners that foster green growth development.

Green growth means fostering economic growth and development while ensuring that natural assets continue to provide the resources and environmental services on which our well-being relies.

The Green Growth Asia Foundation Programme Impact Report 2016-2020 depicts our core aims through a new growth strategy, influencing the programmes and projects, that is based on the direction and guidance provided by the UN's Sustainable Development Goals (SDG).

A new green growth paradigm is needed urgently and Green Growth Asia Foundation benefit to represent a pathway, a stated direction, that enables economic growth to be pursued, but with a strong emphasis on social inclusion and using natural resources in a sustainable manner for the sake of generations to come.

WHO WE ARE



Green Growth Asia Foundation (GGAF) is one of the leading non-governmental environmental organisations in Malaysia that actively exposes environmental issues through sustainable actions for a better planet.

We have found innovative ways to solve the toughest environmental problem which focuses on working with the key stakeholders in fostering a strong, inclusive and sustainable economic growth in developing countries and emerging countries.

Throughout many processes, GGAF has grown into a leading non-profit organisation which acts to fill a fissure by playing a strategic role as a stalwart network of partners, providing deep thinking on evolving green strategies, policies and projects; play a part as an effective mobilising force in implementing efficacious programmes and projects across well-defined themes which led to an achievement of the desired outcomes.

ADVISORY COMMITTEE MEMBERS



Dr. Muhammad Mahadi Bin Mohamad
Executive Director,
Green Growth Asia Foundation



Mr. Balamurugan Ratha Krishnan)
Chief Executive,
Green Growth Asia Foundation



Prof. Dr. Ir. Samsul Rizal
Rector, Syiah Kuala University,
Banda Aceh, Indonesia



Mr. Emani Kumar
Deputy Chairman
Deputy Secretary-General, ICLEI
and Executive Director, ICLEI South East Asia



Ms. Sonia Chand Sandhu
Sr. Advisor to Vice President Knowledge
Management, Sustainable Development,
Climate Change, ADB



Dr. Prasad Modak
Founder and Director,
Ekonnnect Knowledge Foundation

THE MANAGEMENT TEAM



Dr. Muhammad Mahadi Bin Mohamad

Executive Director,
Green Growth Asia Foundation



Aysha Binti Zamuel

Eco-Schools Coordinator,
Green Growth Asia Foundation



Mr. Balamurugan Ratha Krishnan

Chief Executive,
Green Growth Asia Foundation



Shaheerol Izuan Bin Nor Mazlan

Project Officer,
Green Growth Asia Foundation



Keneswary A/P Ravichanthiran

Eco-Schools Coordinator,
Green Growth Asia Foundation



Mr. Sri Themudu

Programme Director,
Green Growth Asia Foundation



Nur Syafinaz Bt Mohd Kamal

Project Officer,
Green Growth Asia Foundation

EXECUTIVE DIRECTOR'S MESSAGE

Dear readers,

I am pleased to share with you our latest edition of The Green Growth Asia Foundation Annual Report 2020, and the progress of our journey towards sustainable development.

As we enter our fourth year of operations, I am encouraged to see the progress we have made across all of our key focus areas. Together with my colleagues on the Green Growth Asia Foundation Board of Trustees and the management team, we are always looking at how we can advocate and promote green growth development that takes both environmental sustainability and social inclusivity into consideration to the community. Being sustainable isn't just about being green, it's also making sure that we can adapt and cope with our daily lives.

There was solid progress across our strategic priorities and the targets that we had set for the years. Building on the foundations we have laid over the past four years

under the assist of the Asian Development Bank (ADB) and ICLEI that played a catalytic role in the formation of Green Growth Asia Foundation. Therefore, we have continues to expand and scale up its reach to more beneficiaries and communities around Malaysia. Through various environmental programmes at several schools has certainly affected young people awareness regarding sustainable development.

In the years to come, we hope the Green Growth Asia Foundation will grow into a self-sustaining, social movement where Malaysians come together and respond to sustainability challenges in Asia to preserve our planet. In the process, we hope this will help to foster togetherness and promote unity in our multi-cultural, multi-ethnic society. There is no environmental act that is too small or too big, and collectively we can all make a big difference; one act at a time.

For now, our journey towards building a better Malaysia that embarks on sustainable development continues - and I hope we will continue to have your support.



**DR. MUHAMMAD
MAHADI BIN MOHAMAD**

Executive Director

VISION, MISSION, PILLARS

OUR VISION

To achieve economic growth that is socially inclusive and environmentally sustainable where society fully embraces a green lifestyle.

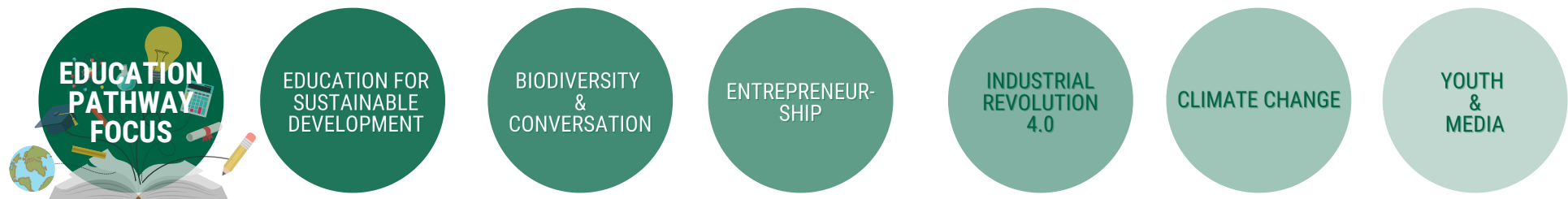
THE FOUNDATIONAL PILLARS

We believe that a billion acts of courage can spark a brighter tomorrow. To that end, we embrace a project-centric approach in terms of leading and supporting an effectual response to the wide range of sustainability essence being tackled by cities and communities.

OUR MISSION

To promote a green growth agenda to all urban and community stakeholders through programmes, projects and activities that advance sustainable solutions in the form of knowledge, cutting edge technology and innovative financing based solutions.

Responding to the needs of sustainable actions, Green Growth Asia Foundation will serve as an impetus to generate an effective response or intervention in bridging the particular gap that has been identified.



RCE MELAKA RE-ORIENT EDUCATION TOWARDS SUSTAINABLE DEVELOPMENT

The Green Growth Asia Foundation had established RCE Melaka; a centre that aims to be fully operational by January 2022. The RCE Melaka are officially recognised by the United Nations University and it will be joining the 179 members strong network to promote education for sustainable development. The idea of uniting professionals and academics communities for the single purpose of safeguarding our future is the foundation for the creation of RCEs. RCE Melaka will certainly provide linkage with other RCEs in Malaysia and globally, to provide a lasting impact on the community and environments by collectively finding solutions for environmental problems through education.

The Green Growth Asia Foundation is known to be actively involved in the planning and implementation of high impact green projects in Malaysia. Hence, the introduction of RCE Melaka indeed will further amplify our effort and strengthen the impact of stakeholders' engagement within the community. We are empowering the participants to take the lead in addressing environmental issues as global citizens through various international programmes.

The Regional Centres of Expertise will serve as a bridge for formal and non-formal educators to come together and support the implementation of education for sustainable development initiatives, creating more leaders of tomorrow. Without a doubt,

RCE Melaka will transform the sustainability landscape in Melaka and her surrounding area forever.



**R
C
E** REGIONAL CENTRE OF EXPERTISE
ON EDUCATION FOR
SUSTAINABLE DEVELOPMENT

ACKNOWLEDGED BY



**UNITED NATIONS
UNIVERSITY**

The RCE Melaka is officially recognised by the United Nations University and will join the 179 members strong network to promote education for sustainable development.

01

THE JOURNEY TO SUSTAINABILITY



ENVIRONMENTAL EDUCATION IN MALAYSIA



In general, environmental education (EE) covers an extremely broad and complex set of fields with an abundant pool of research and data. Top it off with the presence of technology, it continues to evolve and create new syllabus content. Universally, EE eventually aims to raise the public's awareness of environmental issues with most include the required solution actions.

In the case of the Malaysian EE, most of the current syllabus can be dated back to a couple of decades with minor to no changes in the content implementation. This shows that the environmental education initiatives produced by the government are not being updated regularly to address contemporary issues concerning the national and global environment, and with little input on the state level. These initiatives also encourage school students to short-term, almost trivial activities, in the efforts to instil such awareness, making the effect to be also short-lasting. Evidently, this will continue to allow environmental challenges to happen in their community.

A phenomenon that is very much contradictory to the EE implementation in schools, the external involvement of other organisations is deemed crucial to ensure that EE is properly dispersed and executed in a much deeper context. With an up-to-date syllabus and more engaging sets of programmes and projects, external organisations play a key role in the implementation of EE on all levels in Malaysian schools.

— MALAYSIAN YOUTH, THE MAJOR BENEFICIARY —

The Malaysian youth constitutes close to half of the entire country's population. A statistic that is hard to ignore when it comes to the decision-making efforts related to the nation's economic development. This makes them a major indicator of success rate for many political, social, cultural, economic and environmental measures taken by the bodies that govern them. In recognising the potential, the Malaysian government even prioritises the youth as one of the major target groups under the 'Budget 2021' in order to sustain them.

Besides their immense volume of population, the youth is also driving the economy in a digital fashion. With the tremendous uprise of social media, the youth has quickly realised its capacity to bring their voice out to the world. With such mediums available with a tap of a finger, users can channel their emotions and vocations online and share their opinions on matters that concern them. And with it, activists are born.

By putting together the youth's passion and social media hand in hand, EE in schools possesses a seemingly endless possibility in achieving sustainable development for future generations to come. Now more than ever, youth must be given the power to lead the country towards increased economic growth through environmental sustainability.



—THE PURSUIT FOR SUSTAINABILITY WITH GGAF—

In recognising the youth as the major stakeholder for the sustainable development in Malaysia, Green Growth Asia Foundation responds to the needs for environmental education paucity by taking the lead in promoting green growth strategy. Concurrently, this response aims to strike a balance between economic development, social inclusivity and environmental sustainability. A nation that embraces the venture of economic growth while maintaining such balance is the ultimate goal for this foundation.

In line with the United Nation's (UN) Sustainable Development Goals (SDG), known also as Global Goals, Green Growth Asia Foundation bases all of the programmes and projects strategies on the direction and guidance of selected SDG indicators. With each of the Global Goals serving vastly different global issues, they do however share the same workstream comprising four components to ensure the development of integrated solutions. They are Innovation and Learning, Integrated Policy and Programming, Data and Analytics and Financing. To achieve the SDGs of choice, Green Growth Asia Foundation has been and will continue to practice all of the workstream components in acquiring holistic involvement and programme outcomes.

To serve our stakeholders at the highest level in the pursuit of a greener life, GGAF engages a series of goals to address green growth development through various programmes and projects. The following are such goals representing the target outcomes in Malaysia:

1

TO ACHIEVE ECONOMIC GROWTH ENCOMPASSING GREEN GROWTH AGENDA.

2

TO HOLISTICALLY INCLUDE SOCIETY IN GREEN ECONOMIC DEVELOPMENT THROUGH SUSTAINABLE DEVELOPMENT AVOCATION.

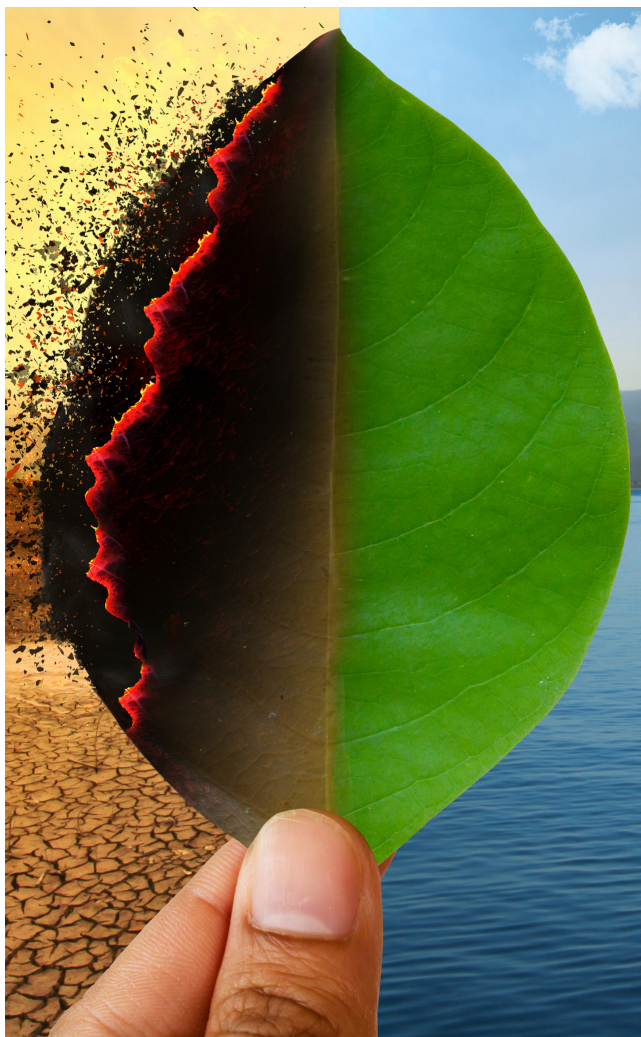
3

TO REVERSE THE HARMFUL EFFECTS OF ECONOMIC GROWTH ON THE ENVIRONMENT.

4

TO INSTIL SUSTAINABLE DEVELOPMENT EDUCATION AND EMPOWER SOCIETY AS WELL AS CHANGE PERCEPTIONS ON ENVIRONMENTAL ISSUES.

THE CHALLENGES



In line with the challenges faced by sustainable development, Green Growth Asia Foundation also encountered difficulties in the same three folders of economic, social and environmental dimensions. This is due to the reason that in order to achieve sustainable development, in this case, to strengthen environmental protection, it requires a collective action to deliver legitimate aspirations towards economic and social progress. A collective action that is in need of social inclusivity. This is somewhat an ambitious endeavour as changing the perception of people can be considered, at times, difficult to accomplish. It is especially true in the case where high levels in the school, community or state hierarchy do not portray the needed support and enthusiasm to allow environmental programmes and projects to be launched. However, Green Growth Asia Foundation finds that exposing the programmes and projects in the mainstream media does help in convincing other organisations to partake.

Apart from that, the ever-evolving state of technology and social media poses a challenge to deliver contemporary environmental education in schools, particularly in rural area. Although an abundance of information is being made readily available, it might not be suitable to be used for a specific area of a state. This requires extensive research and discussions with related parties for the purpose of finding the most suitable solution at a given time. Without forgetting the question of information access and availability of the programme beneficiaries. This issue could cause a major delay in the programmes or projects that necessitate fast production of results. This issue has definitely made itself more prominent as the world was hit with COVID-19 at the end of 2019. To counter restraints caused by the pandemic, more and more programmes and projects had to resort to online means. This has made the transfer of information easier although some physical activities needed to be postponed.

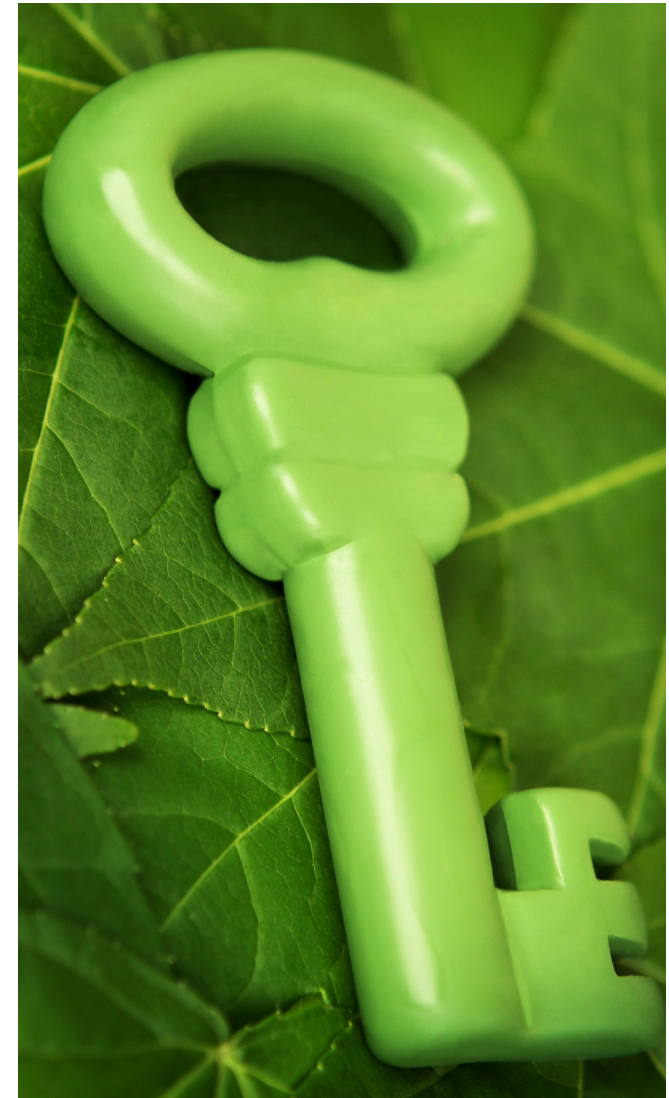
Most importantly, the rate at which climate change and global warming are occurring on a daily basis. Even with the profusion of environmental knowledge, there is no denying the fact that our environment is constantly changing and the climate crisis is accelerating at an unprecedented rate. Keeping up with the crisis has become rather challenging as the programmes and projects being executed might not produce the type of results that were initially being targeted. To ensure the materials are up-to-date and new information is being received, GGAF, together with other expert organisations, are working hand-in-hand to obtain the necessary data pertaining to the programme or project.

THE ULTIMATE SOLUTION

As a means to tackle the ultimate challenge of approaching the nation with a green growth agenda, GGAF is determined to focus on raising awareness and increasing the youth's environmental literacy through the Education for Sustainable Development (ESD). ESD is a holistic and transformational education that integrates critical environmental issues that will empower learners of any age, in any education setting, to transform themselves and the society they live in. It is also an essential element of the global response to environmental issues and it enables informed decision-making, which plays an essential role in increasing adaptation and mitigation capacities of communities, particularly the youth, to adopt sustainable lifestyles.

The Education Pathway Focus programmes embrace a project-centric approach in terms of leading and supporting an effectual response to the wide range of sustainability essence being tackled by cities and communities. By responding to the needs of sustainable actions, GGAF will serve as an impetus to generate an effective response or intervention in bridging the particular gap that has been identified.

With tremendous opportunities through various projects and programmes, students and school communities are able to embark on a meaningful path towards understanding the sustainability and environmental challenges that face their immediate communities, state and also at a broader context that concerns their country.



02

THE EDUCATION PATHWAY PROJECTS



11

EDUCATION & SUSTAINABLE DEVELOPMENT

1.1 Eco-Schools Programme Melaka (MESP)

 **1896** students

 **1758** teachers

 **130** schools

1.2 Eco-Schools Programme Kedah (KESP)

 **720** students

 **360** teachers

 **36** schools

12

YOUTH MEDIA ADVOCACY & ENVIRONMENT

2.1 Young Reporters for the Environment (YRE)

 **350** students

 **50** teachers

 **15** schools



13

CONSERVATION

3.1 Sea Turtle Friendly Lighting Project

 **1.0** km sea turtle nesting beach

 **30** lights to retrofit

 **USD 50K** grant secured

3.2 Back 2 Nature Turtle Education Programme

 **304** students

 **33** teachers

 **15** schools

14 INDUSTRIAL REVOLUTION 4.0

4.1 Zero2Entrepreneur

 **100** students

 **20** teachers

 **10** schools

5.3 Climate Ready Classroom

 **295** students

 **67** teachers

 **13** schools

15 CLIMATE CHANGE

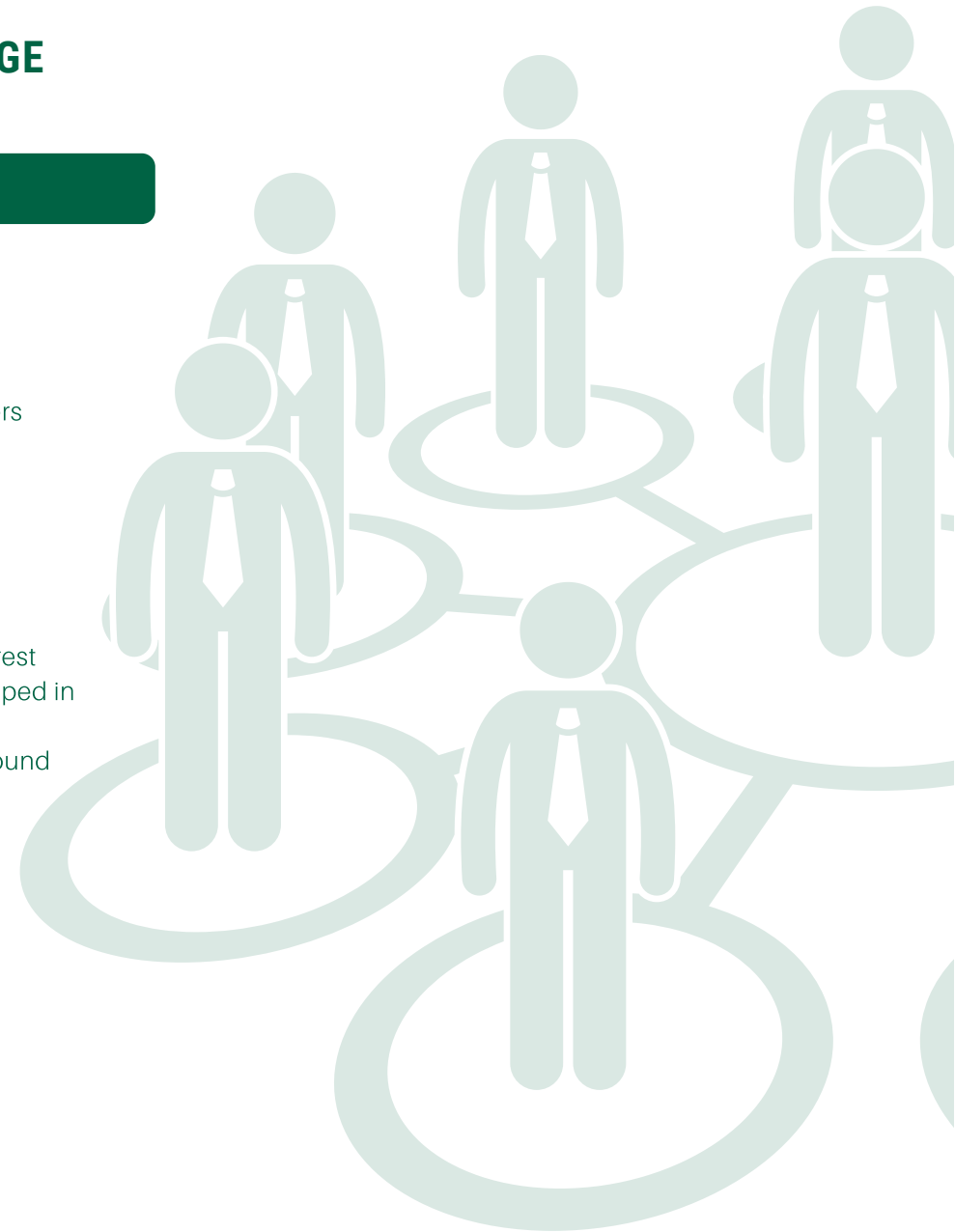
5.2 Tiny Forest Project

 **250** students

 **54** teachers

 **5** schools

 **2** tiny forest developed in school compound



03

EDUCATION FOR SUSTAINABLE DEVELOPMENT



— EDUCATION FOR SUSTAINABLE DEVELOPMENT —



Young people have an enormous stake in the present and the future state of Earth, thus it is crucial for us to make sure they participate positively in all aspects of sustainable development. Hence, good quality education at a very young age is needed as an essential tool to achieve a more sustainable world.

The Education for Sustainable Development (ESD) was introduced to empower people to change the way they think and work towards a sustainable future. It promotes the development of the knowledge, skills, understanding, values and actions required to create a sustainable world, which ensures environmental protection and conservation, promotes social equity and encourages economic sustainability. The concept of ESD developed largely from environmental education, which includes the key sustainable development issues into teaching and learning; for example, climate change, disaster risk reduction, biodiversity, poverty reduction, and sustainable consumption.



"Malaysia has been doing very well and has covered most of the issues in terms of education and healthcare, and it should now focus on improving the quality of the two sectors, which would require a significant amount of investment in terms of resources."

STEFAN PRIESNER
UN Resident Coordinator for Malaysia,
Singapore and Brunei Darussalam



THE GLOBAL GOALS

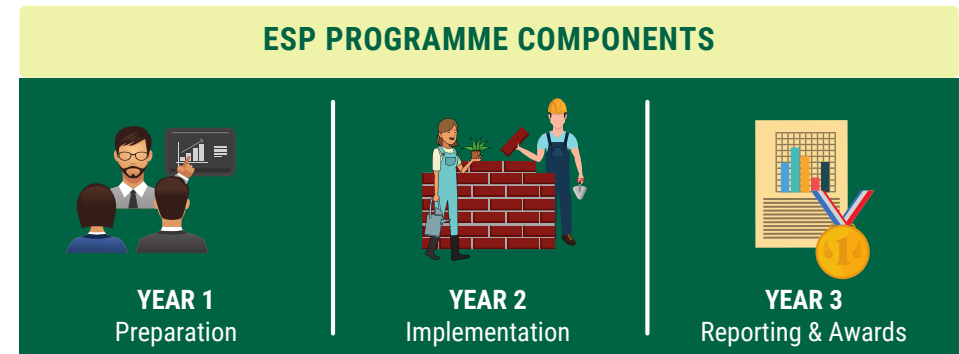
The Education for sustainable development (ESD) contribute specifically to Goal 4 of the Sustainable Development Goals that aim to ensure people around the world are obtaining a quality education which is the foundation for improving people's lives and sustainable development.

ECO-SCHOOLS PROGRAMME

As globalization and technologies are rapidly improving, education models are required to equip children with a number of skills to initiate a more all-embracing, sustainable and evolving world. The reason why the Eco-Schools Programme (ESP) was introduced, which is known as the largest global sustainable schools programme that empowers young people to engage in their environment by giving them the opportunity to actively protect it. The students are also able to gain a positive lifelong experience due to the various learning methodologies that are being implemented in this programme such as transformative learning, project-based learning methods and others.

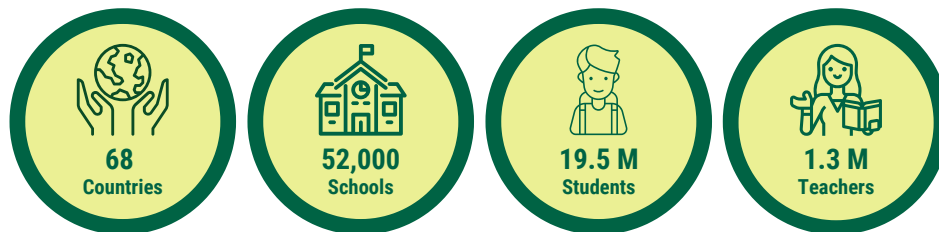
In order to ensure the successful implementation of the programme, we decided to create a strategic 3-year programme cycle plan that will certainly ease their ESP progress. This cycle plan will provide an opportunity for students to identify, design and implement an eco-project that responds to a need in their community fluently based on the structured plan.

ESP are also in accordance with the Eco-Schools Seven Steps methodology which is a series of carefully engineered measures that help the schools to maximise the success of their Eco-School ambitions. The method involves a wide diversity of individuals from the school community - with students playing a primary role in the process.



ECO-SCHOOLS PROGRAMME

i The Eco-Schools Programme (ESP) has contributed significantly to the Education for sustainable development (ESD) that empowers people to change their mindset and work towards sustainability.



THE ECO-SCHOOLS PROGRAMME GLOBAL ACHIEVEMENTS

EXPANSION OF ECO-SCHOOLS PROGRAMME TO VARIOUS STATES

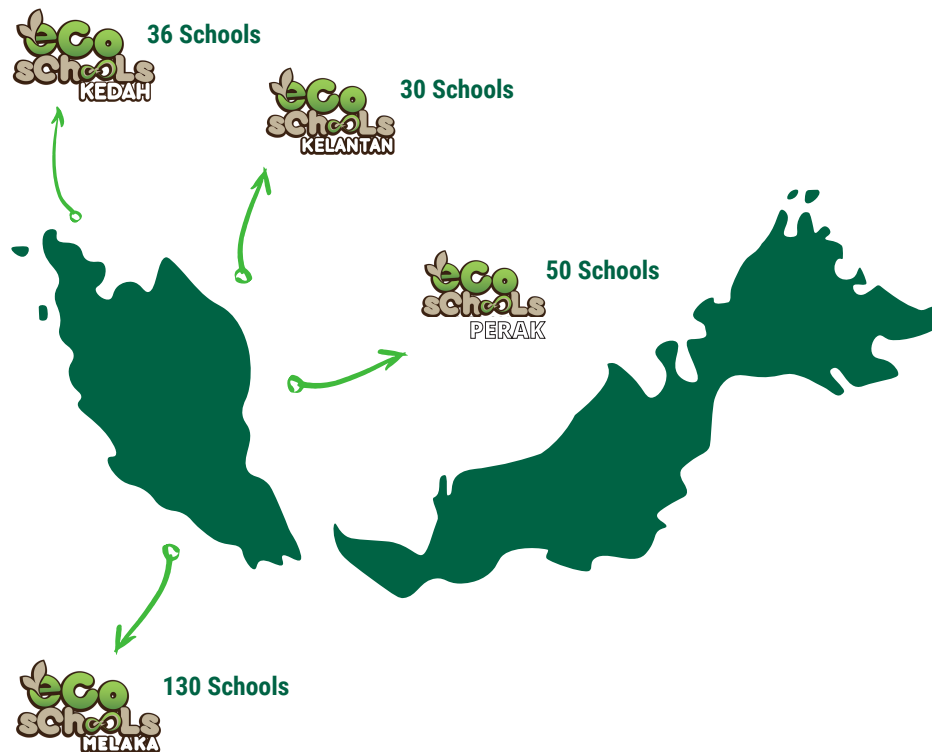
Green Growth Asia received much favourable response from the schools in Melaka, where we achieved a large number of participants involved in the Eco-Schools programme. Based on the success of the Eco-Schools programme implementation in Melaka, we decided to expand our programme to other potential state locations. The consensus was to select several primary and secondary schools in other targeted locations.



There are many decisions to be considered when targeting the location to establish the operation. The main consideration in choosing a place to conduct is by determining the driving factors that will influence which areas are suitable locations in conducting the project. As a result, the programme conducted in the other three locations provides a successful outcome and based on the feedback from educators and students, this programme and its involved parties have the opportunity for further expansion to other states.

ECO-SCHOOLS PROGRAMME

ESP EXPANDED TO VARIOUS STATES



THE IMPACT OF ECO-SCHOOLS PROGRAMME

Quantitative Findings



9% Water Savings



15.5% Waste Savings



11% Watts Savings

Quantitative Findings



TEACHERS



Increase knowledge about Green STEM and project based learning



Increase in positive perception on the importance of sustainability issues



Increase in outdoor teaching



STUDENTS



Waste knowledge increase



Water knowledge increase



Watts knowledge increase



Source: FEE Eco-Schools Global Data from 2016- 2017

ECO-SCHOOLS PROGRAMME



On 21 November 2016, the Melaka Eco-Schools Programme (MESP) soft-launch was executed at the Dewan Perpustam, Melaka. The MESP aims to create a school culture geared towards environmental protection and preservation through management, commitment and infusion into curriculum and co-curriculum activities. It was initiated by Green Growth Asia Foundation and WWF-Malaysia with the support from Melaka Green Technology Council.

The Former State Education, Higher Education, Science and Technology, Green Technology and Innovation committee chairman Datuk Md Yunos Husin launched the programme and said Melaka has always been at the forefront in green governance with the inception of Green Technology Council. The Eco-Schools Programme will undeniably be a good addition to Melaka green initiative and promote sustainability at a grassroots level. The state

government also hopes to encourage more schools to participate in the eco-schools co-curriculum programme to engage students in a holistic approach to managing and conserving the environment.

THE OUTCOME

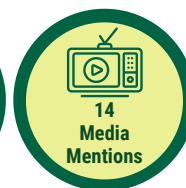
- 100 schools registered to enrol into the programme.
- The awareness of the Eco-Schools Programme has increased.



The Melaka Eco-Schools Programme was officially launched on 20 July 2017, by the former state's Chief Minister Datuk Seri Utama Ir. Haji Idris bin Haron at the Seri Negeri Melaka Hall.



29 environmental programmes were accomplished throughout the 3-year period of the Melaka Eco-Schools Programme implementation.



THE MELAKA ECO-SCHOOLS PROGRAMME ACHIEVEMENTS

KEDAH ECO-SCHOOLS PROGRAMME



As a result of the successful implementation of the Eco-Schools Programme in Melaka and attributable to the satisfactory outcome, we are able to expand our programme to other states. The Kedah Eco-Schools Programme was officially launched by the Former Kedah Chief Minister, Dato' Seri Utama Mukhriz bin Mahathir at the Alor Setar branch of the National Science Centre. This 3-year Eco-Schools programme would be organised by state investment arm Menteri Besar Kedah Incorporated, in cooperation with the Green Growth Asia Foundation and the state education department.

Consequently, Kedah is the second state that has been selected to become involved in the Eco-Schools Programme with the aim of instilling environmental conservation awareness among students. Through this programme, the schools involved will be able to

embark on a new journey towards sustainable development to preserve the environment for future generations.



"Under the guidance of GGAF representatives, the students and the rest of the population at these schools will be given exposure towards caring for and conserving the environment, and to become agents in ensuring the state's environmental sustainability."

The Former Kedah Chief Minister

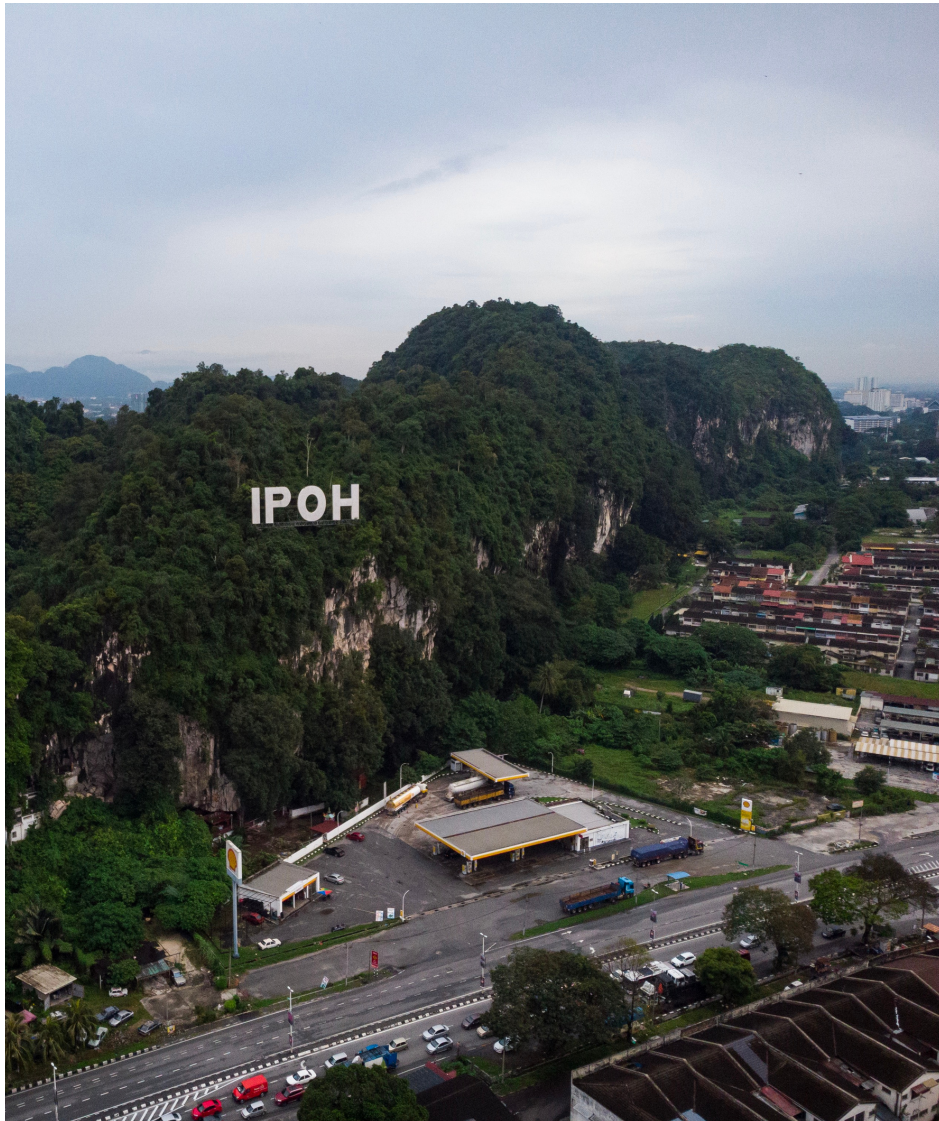
DATO' SERI UTAMA MUKHRIZ BIN MAHATHIR

Source: New Straits Times, "Kedah to Have 36 Eco-Schools Soon: New Straits Times."



36 primary and secondary schools participated in the Kedah Eco-Schools Programme.

PERAK ECO-SCHOOLS PROGRAMME



Perak is also one of the states that will be implementing the Eco-Schools Programme on a pilot basis in order to achieve sustainable development on a broader scale. The Green Growth Asia Foundation also presented the eco-schools proposal due to the Perak State Government interest in conducting environmental programmes for their schools and communities.

Malaysia has been stuck in the “awareness” and “education” phase for over two decades. The inability to mitigate the environmental issues would be one of the pressing issues that is getting severe day by day. For this reason, with this programme, young people will receive the proper education regarding sustainable development in order to preserve our planet for future generations.



50 schools enrol in the Perak Eco-Schools Programme for the pilot run.

KELANTAN ECO-SCHOOLS PROGRAMME

On 29 September 2020, the Green Growth Asia Foundation was invited to present the eco-schools proposal with the Kelantan State Government. Both parties had agreed to enrol a number of schools in Kota Bharu into the programme for the pilot run. This decision was made after the latter had expressed their interest and commitment in pursuing the pathways towards sustainability.

Additionally, a working committee has also been formed with representatives from the Kelantan State Government, Kelantan State Education Department, Kumpulan Pertanian Kelantan Berhad, Unit Perancang Ekonomi Negeri Kelantan, Yayasan Islam Kelantan and Kelantan Utilities Mubaraakan Sdn Bhd.



30 schools enrol in the Kelantan Eco-Schools Programme for the pilot run.



ECO-SCHOOLS PROGRAMME PARTNERS

THE GREEN GROWTH ASIA FOUNDATION PARTNERS FOR ECO SCHOOLS PROGRAMME

PARTNERS FOR ALL ECO-SCHOOLS PROGRAMMES



**KEMENTERIAN
PENDIDIKAN
MALAYSIA**

THE MELAKA ECO SCHOOLS PROGRAMME PARTNERS



THE PERAK ECO SCHOOLS PROGRAMME PARTNERS

**JABATAN PENDIDIKAN
NEGERI PERAK**

THE KEDAH ECO SCHOOLS PROGRAMME PARTNERS

**JABATAN PENDIDIKAN
NEGERI KEDAH**

THE KELANTAN ECO SCHOOLS PROGRAMME PARTNERS

**JABATAN PENDIDIKAN
NEGERI KELANTAN**

04

PRIMARY IMPACT : STORIES



ECO-SCHOOLS SUMMIT MELAKA 2019



The Eco-Schools Summit Melaka was conducted on the 16 until 17 January 2019 at the Hotel Seri Malaysia, Melaka. The purpose of the summit is to provide a platform for schools to work towards achieving Eco-Schools awards and also address bigger sustainability issues, especially within their environment.

The Green Growth Asia Foundation (GGAF) collaborated with the Eco-Schools Melaka committee in partnership with UPEN Melaka to organize the Eco-Schools Summit Melaka 2019. The Eco-Schools Summit Melaka will offer engaging educational sessions, showcasing of scientific studies, hands-on workshops and talks from the contemporary Eco-Schools experts, hence granting students an enriching learning environment. Besides that, the summit is also intended to provide an unparalleled opportunity for green school advocates throughout the country to collaborate and learn from one another - all visions in making a positive difference in our children's futures.

OBJECTIVES:

- To enable students to learn vital skills to create a positive change in their local community.
- To grant the schools of Melaka to showcase their green ideas to the rest of the participating schools from different states, ultimately to facilitate information exchange.
- To spark awareness among the students and teachers on the gravity and importance of the 'Eco-Schools' Programme.
- To convince the local government on the support of a sustainable lifestyle.

21 SCHOOLS AND 454 PERSONS ATTENDED

THE OUTCOME

Through the Eco-Schools Summit Melaka, the participants are now keen to know, engage and work more on resolving serious environmental issues in the future. Not to mention, the children of Malaysia are now prepared for the paradigms and agendas of the 21st century which paralleled with the government's vision.

— SANTAI HIJAU BERSAMA PEMIMPIN PROGRAMME —

On 11 July 2017, the Santai Hijau Bersama Pemimpin Programme was conducted at the SK Cheng, Melaka. The event marked a special appearance of three prominent leaders that have chaired the Santai Hijau Bersama Pemimpin programme which is the Former Melaka Green Technology Exco Datuk Yunos, State Education Director Tuan Haji Abu Bakar Bin Sahari and Former Melaka Green Tech Corporation CEO Datuk Kamaruddin.

The purpose of the Santai Hijau Bersama Pemimpin Programme was to give the opportunity to the students and the school authorities to gain more knowledge about environmental education and projects through our prominent leaders. These 3 leaders have shared their views about the Melaka Eco-Schools Programme with students and teachers. Thus, they can certainly comprehend the importance of Education for Sustainable Development from the eyes of our leaders. The programme had also included a visit to the Eco-Schools garden and a session for the students' presentation on the Eco-Schools activities.

The three prominent leaders are able to engage by discussing eco-friendly initiatives, sustainable practices, environmental issues, recycling technologies, green advice and more with schools students and teachers.



60 STUDENTS AND 10 TEACHERS

THE OUTCOME

- The leaders were able to see for themselves how the Eco-Schools Programme is being implemented in the school.
- The presence of top management and the political leader gives encouragement to the teachers and schools management to promote environmental education at schools.

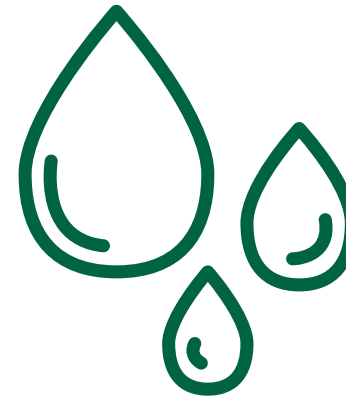
WATER CONSERVATION PROGRAMME



On 4 May 2018, the Water Conservation Programme was officially launched by the Deputy Dean of Faculty of Medicine and Health Science, UPM Prof Dr Shamsul. It was conducted by the Green Growth Asia Foundation in partnership with UPM at the SK Chabau, Jasin which was chosen to be a pilot school to kick off this project.

Carbon footprints are known as one of the environmental issues that have severely affected our planet. Hence, through this programme the school is able to conserve water by practising water-saving habits to reduce the greenhouse gas emissions such as having leak-free faucets with signage about using water wisely will be great ways to educate the school community. The launching event was followed by many fun learning activities for students and teachers. As a finale of the event, all the students and teachers pledged to save the water.

OBJECTIVES:



Water conservation education focuses on what users can do to reduce water consumption and reduce the detrimental impact on water supplies. This Programme focus on educating pupils on the importance of water conservation and implementing strategies for schools to reduce daily water use.

200 STUDENTS AND TEACHERS
30 LECTURERS AND STUDENTS FROM UPM

THE OUTCOME

- Students take their responsibility in their hands by playing the role of water monitors during busy restroom times.
- The programme encourages the teachers to discuss the benefits of conserving water and ways the students can get involved in using less water.

MEDIA ENGAGEMENT VISIT TO MELAKA GREEN FLAG SCHOOLS



The Media engagement visit to Melaka Green Flag Schools was conducted on the 27 September 2018 with the SMK Bukit Baru and SK Air Baruk. The programme was organized by WWF Malaysia and Green Growth Asia Foundation where four mainstream media reporters had joined and spent the entire day in understanding the schools green initiatives in supporting UN Sustainable development goals.

Throughout the Media engagement visit to Melaka Green Flag Schools, both schools have showcased key eco-schools projects to the media team. The reporters from Melaka Kini, Sin Chew Jit Poh, The Sun and Sinar Harian were taken on a school tour with poster presentations, site visits and learnt about the schools eco-projects such as rainwater harvesting, food composting, biodiversity corner and urban farming techniques.

OBJECTIVES:

- It can help to raise the Green Flag school's profile in a cost-effective way.
- Positive comments from the media make powerful endorsements that can be used in Eco-Schools promotions and marketing.
- Establishing long-term relationships with journalists makes it easier to secure coverage.

50 STUDENTS AND 20 TEACHERS
30 LECTURERS AND STUDENTS FROM UPM



THE OUTCOME

- The media visit enabled both schools to share information publicly, it also allows them to communicate news to internal and external stakeholders (e.g. students, educators, parents)

GOVERNOR OF BENGKA BELITUNG VISIT TO MELAKA GREEN FLAG SCHOOLS

On 1 October 2018, the media engagement visit to Melaka Green Flag Schools by the Governor of the Bangka Belitung, Indonesia Dr Erzaldi Rosman was conducted at SMK Bukit Baru, Ayer Keroh.

SMK Bukit Baru, Ayer Keroh welcomed Dr Erzaldi Rosman to the school in conjunction with his visit to Melaka for the Indonesia-Malaysia-Thailand Growth Triangle (IMT-GT) regional ministerial meeting. Throughout the school tour lasting for more than an hour, he was accompanied by the Green Growth Asia Foundation Project Director Mr Sri Themudu, the Melaka state education department officer Mr Zulfikly, school headmaster Mr Malik, together with teachers and students of SMK Bukit Baru.

Dr Erzaldi Rosman spent his time sharing information and discussed creating a network between schools in Malaysia and Indonesia, apart from observing the schools eco-projects and socialising with the students.

OBJECTIVES:

The main focus of this visit was to observe, understand and create bilateral engagement between Malaysian and Bangka Belitung schools by interviewing pupils and teachers with regards to their environment literacy learning.



THE OUTCOME

- The delegation visit helped to broaden and internationalise the outlook of students and educators.
- Involve opportunities to spend time in another country.
- Allow international delegates to experience the Malaysia education system.
- Exchange and learn about Melaka Eco-Schools programme's impact on students learning.

ECO-SCHOOLS ANGELS



November 2018 is when the Eco-Schools Angels prove their affection towards the environment through the Eco-Schools Programme. The angels of SMK Durian Tunggal and their teachers had received the Green Flag Award, one of the highest awards, competing with hundreds of schools internationally.

The Eco-Schools programme made a positive effect on the students of SMK Durian Tunggal. Youngsters today are more aware of environmental issues and through the Eco-Schools programme, three Eco Angels were born and lead the path in bringing their world closer to a greener reality.

These Melaka-born girls are truly astounded by the beauty of greenery and how it perks their environment. Despite the chaotic schedule throughout the school years, they have managed to balance the time between their studies and the programme. This has certainly made a positive impact on the students' view as well as having the fundamental values of caring for the environment.



"The Eco schools programme is like a family to me, the knowledge we gained, meeting new people, changing the way we think of the environment and making a change with the possibilities you couldn't think of, you won't regret it".

**NURUL ANIS BINTI ABDUL HALIM,
CHIN YEE WEI & RANNISHA A/P
THANARAYANNAIDU**

The Angels from SMK Durian Tunggal,
Melaka



THE GIRLS ARE PRESENTING ABOUT THE D'GREEN ECO PARK BY CHANGING A POLLUTED POND TO A RECREATIONAL PARK.

MELAKA ENVIRONMENTAL WEEK



The Melaka Environmental Week was conducted on the 23, 24, 28 and 29 December 2020 as one of the educational initiatives for sustainable development under the Melaka Eco-Schools program. In order to provide appropriate exposure to the participants on the current environmental challenges, a few environmental topics have been highlighted in this programme.

The organization of this program highlighted the interest and aspirations in building a sustainable future with the knowledge gained. Now, it is one step ahead in helping the country in achieving the aspirations of the 11th Malaysia Plan and the Sustainable Development Goals, United Nations. As we are all aware, the environmental issues are getting severe day by day where, even with our educational efforts, it is still in vain and that is why through this programme we will fill the gap in educational delivery using the advancement of the technology in this day and age.



The Melaka Green Technology Corporation and Green Growth Asia Foundation jointly organised the programme in Melaka. However, due to COVID-19, some changes have been made to the programme resulting to e-learning method developed specifically for the program. In addition, the participants are also able to do the assignments following their spare time and the modules are provided online to ensure that the participants are able to comprehend all the information through online means.

This portal has been successfully implemented in Melaka which had been participated by several schools under the supervision of the Ministry of Education Malaysia to ensure the effective integration of the programme.

41 SCHOOLS
78 STUDENTS
41 TEACHERS

05

YOUTH MEDIA ADVOCACY FOR ENVIRONMENT



— YOUTH MEDIA ADVOCACY FOR ENVIRONMENT —

THE GAP BETWEEN ENVIRONMENTAL ISSUES AND KNOWLEDGE AMONG MALAYSIANS

Over the years, concern towards the environment relating to society and sustainable consumption has been debated on a global scale. In Malaysia, we are facing tremendous challenges in ensuring sustainable development which is the existence of the gap between environmental issues and knowledge among Malaysians. Consequently, people are not able to require freedom of speech on environmental issues these days due to the lack of awareness and knowledge.

The consideration for the environment comes only from well-informed and aware citizens especially the young people who are fully committed to their rights to a quality environment. A shift in the level of awareness and attitudes has to first exist in order to implement the shift in behaviour. Youth are the voices of the future, making the stakes higher for them as they are mainly the ones who will be facing the consequences of the climate crisis.

In order to achieve sustainable development, a platform for young people is required which will enable them to embark on the journey of voicing out their concern towards the environmental issues. The Young Reporters for the Environment programme is introduced to empower young people to take an educated stand on environmental issues they feel strongly about. Additionally, it

provides them a platform to articulate these issues through the media of writing, photography or video.



The media over the years has acquired a reputation for being able to influence the thoughts and actions of the public, thus serving as a tool in promoting ideas related to various issues including environmental issues in Malaysia.

To conclude, with YRE, we are able to highlight severe environmental issues that have been overlooked due to the local media's constant interest solely in politics and elections. Thus, reporting of the environment through the media plays a key role in safeguarding the environmental interests in Malaysia.

YOUNG REPORTERS FOR THE ENVIRONMENT PROGRAMME



The Young Reporters for The Environment programme was officially launched during the Eco-Schools Summits which started in 2019. The programme was organised by the Green Growth Asia Foundation and the Foundation for Environmental Education.

Young Reporters for the Environment (YRE) is a Learning for Sustainability schools programme. It provides exciting opportunities for young people ages 11 to 25 to build and develop an array of life skills and be part of an international group of young people creatively raising awareness about sustainability and environmental issues. Young people can actively participate as a reporter individually or as a group in order to gain a lifelong experience.

The primary aims are to highlight environmental injustices and to have them righted by the appropriate authorities, but the upshot of this is that these young people get to feel like they can make a difference and hopefully the opportunities provided by YRE engenders in them the desire to continue to do so.



YOUNG REPORTERS FOR THE ENVIRONMENT PROGRAMME ACHIEVEMENT

310,000+ STUDENTS
42 COUNTRIES
8,000 PHOTOS
4,000 ARTICLES
700 VIDEOS

COMMUNICATION SKILLS
INDIVIDUAL INITIATIVE
CRITICAL ANALYSIS
TEAMWORK
SOCIAL RESPONSIBILITY
LEADERSHIP SKILLS

THE MALACCA STATE LEVEL WORLD WATER DAY 2019 CELEBRATION




On 22 March 2019, the Green Growth Asia Foundation (GGAF) collaborated with Universiti Putra Malaysia (UPM) and Sekolah Kebangsaan Air Baruk (SKAB) to hold The Malacca State-Level World Water Day 2019 Celebration with the theme of 'Water For All: Leaving No One Behind'. The purpose of the programme was to address the issue where billions of marginalised people getting insufficient access to safe, potable water.

The event was launched by VVIP Yang Berhormat (YB) Datuk Dr. Wong Fort Pin, Deputy Melaka "Dewan Undangan Negeri" DUN Speaker of the ADUN of Bemban. In his speech, Datuk said, "Water is crucial as it makes up 60% of our body mass". The programme also conducted other activities such as the launching of SKAB's Rainwater Harvest System Project, exhibition on water by UPM and the Eco-Code Competition: Leaving No One Behind.

The competition is also a part of the YRE Malaysia Programme's initiative to train school kids to advocate for environmental issues. The winners were decided after a thorough evaluation and other awards were also given during the programme.

15 SCHOOLS FROM ALL OVER MELAKA PARTICIPATED

- 
- 1st Place SEKOLAH KEBANGSAAN DATO DEMANG HUSSIN**
 - 2nd Place SEKOLAH KEBANGSAAN AIR BARUK**
 - 3rd Place SEKOLAH KEBANGSAAN BUKIT LINTANG**

SPECIAL AWARDS

SPECIAL EDUCATION CATEGORY



SK PADANG TEMU

MOST LIKES AND SHARED



SK DEMANG HUSSIN

MOST CREATIVE VISUALS



SK BUKIT LINTANG

MOST CREATIVE CONTENT



SK CONVENT INFANT JESUS 1

YRE LIFELONG EXPERIENCE AT THE DATAI LANGKAWI



The first site visit for the chosen Young Reporters for the Environment (YRE) programme was held at the Datai Langkawi, accompanied by Mr Johan, the Director of Human Resources of the establishment. The young reporters were able to learn about The Datai overall sustainability initiatives and more in-depth information for each of the Datai Pledge.

Through the YRE programme, various programmes have been performed and one of them being the YRE visits to The Datai Langkawi. The first site visit was conducted on 7 July 2020. The purpose of the visit is to conduct coverage on The Datai Langkawi sustainable initiatives. The young reporters are able to produce engaging videos and learning materials from their viewpoint through the lifelong experience that they have gained. Simultaneously, they can raise awareness about sustainable development in the hospitality industry among young people by employing social media platforms.

The Datai Langkawi is known as an ecotourism resort that is committed to protecting its natural heritage and unique biodiversity through its sustainability initiatives. Hence, the Datai Pledge was introduced with the aim of creating a mutualistic relationship between the business and the environment as well as to promote future growth. The implementation of significant sustainability initiatives and every aspect of the operation was put under the sustainability microscope so that the negative impact on the magnificent natural forest could be minimised.

THE FOUR PILLARS OF THE DATAI PLEDGE

PURE FOR THE FUTURE

WILDLIFE FOR THE FUTURE

FISH FOR THE FUTURE

YOUTH FOR THE FUTURE

THE YRE VIDEOS OF SUSTAINABLE INITIATIVES AT THE DATAI



Zero Organic Waste
to the Landfill
Through
Permaculture Garden



Zero Non
Biodegradable
Waste Through Pure
Lab



Coral Reef
Rehabilitation

Scan the QR Code in order to watch the YRE videos of the Sustainable Initiatives at The Datai.

YRE INTERNATIONAL COMPETITION



This is the photo from the Republic of Korea for the Photo 15-18 years category with the title of "Let's Say No for Better and Greener Future". It highlighted the fact that we might have to pay dearly for what we have done to the environment in the near future.

Such as fresh air we breathe in and clean water we drink in, which we have been taking granted for. What's worse, we might have to wear gas masks to fight against the pandemic. The annual YRE International Competition is the highlight of the YRE Programme every year. The most inspiring and creative entries from the National Competitions will be assessed by an International Jury and will have the chance of being recognised on a global scale.

182 ENTRIES ACROSS ALL THREE CATEGORIES OF ARTICLES, PHOTOS AND VIDEOS FROM 31 COUNTRIES WERE SUBMITTED TO THE INTERNATIONAL COMPETITION.

PURPOSE:

The purpose of this competition is not only to engage youth on environmental issues and problems, but also to disseminate great work produced by enthusiastic youth, and to share their thoughts and ideas with the network and an international audience. Under the YRE International Competition programme, we have two type of media category which is photography and videography.

YRE INTERNATIONAL PHOTOGRAPHY COMPETITION

Under the photo entries, one participant can submit in all three type categories; single photo reportage, single photo campaign, and photo reportage of 3-5 photos. Below are the photos that were submitted from Malaysia representative for the media category under photography.



Single Photo Reportage, 19 -25 years old



Single Photo Campaign, 19 -25 years old

THE #YRESTAYHOME COMPETITION

THE #YRESTAYSHOME PHOTOGRAPHY COMPETITION



COVID-19 pandemic has caused the world to grind to a halt, but the backbone of society has gone beyond their call of duty and shown that being selfless is crucial.

The photo that was submitted by Malaysia representative, Haziq Haikal for the Single Photo category under the #YREstayshome competition where it highlighted the sacrifice of the frontliners during the COVID-19 Pandemic. We are humbled by the frontliners' immense sacrifices, invaluable dedication, commitment and unwavering efforts in managing COVID-19, oftentimes risking their own lives, for the benefit of the nation. Hence, we hope that through this competition we will be able to bring more awareness regarding these issues.

The #YREstayshome competition aims to empower Young Reporters for the Environment (YRE) and to remain active, engaged, and creative even during lockdown. Through this competition, YRE continues being critical and curious voices for the environment as the world begins to shift out of lockdown.

THE #YRESTAYSHOME WRITTEN STORY COMPETITION

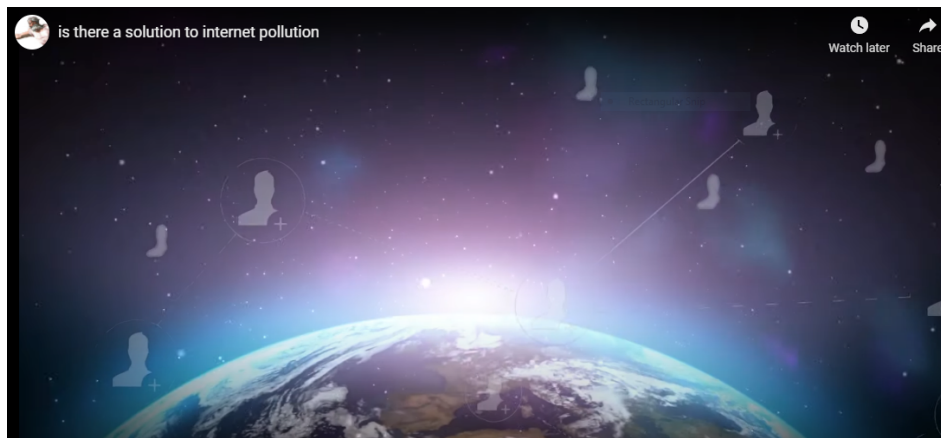


2020: Through Eyes of Normie is the article that had won the Special Mention award for the #YREstayshome competition under the written story category. It was written and submitted by a Malaysian representative, Shaheerol Izuan. The article tells a story about how most of the world population are unbothered with natural disasters, climate change and the extinction of species, believing that there are no actual impact on their daily life. Then the pandemic was declared, those same individuals are starting to realise if measures are not to be taken by the government and the community, the nightmare will continue to be their new reality.

Through this article, a new lifestyle is portrayed during the lockdown that had affected our environment positively. The pandemic has led us to appreciate every second of our lives. Hence, we start to be more careful with our actions and transform into a greener life. All the positive initiatives practised during the lockdown should be continued in order to safeguard our beloved planet.

— YRE INTERNATIONAL VIDEOGRAPHY COMPETITION —

YRE INTERNATIONAL VIDEOGRAPHY COMPETITION



This is the video campaign with the title “Is there a solution to internet pollution?”, that had come in 1st place for the video campaign 15 - 18 years category.

The state of the environment around us is affected by many of our daily decisions, ranging from what we eat to how we travel or heat our homes. Some of our day-to-day decisions are made with the intention of minimising negative impacts on the environment, and consequently on our health. Hence, through the YRE International Competition, we are able to empower the young people to take a stand in changing our future for the better.

More and more young people are voicing concerns about environmental degradation. Their proposals for solving seemingly intractable environmental issues are often beyond our imagination.

With this videography competition, we will see the world through their eyes, and get inspiration to protect our environment and embark toward sustainability.

Under the videography competition, there are two subcategories which are:

- The Reportage - Reportage video based on news, events, history, etc., based on direct observation through research and documentation.
- Campaign - Campaign video aim at the advertised product, and/or firm with a certain lifestyle or values.

Below are the videos that were submitted from Malaysia representative for the media category under videography.

INTERNATIONAL COLLABORATION, 11 -14 YEARS OLD



<https://youtu.be/JwcNvCDIa4g>

VIDEO CAMPAIGN, 19-24 YEARS OLD



<https://youtu.be/p3Wf5lSVIqg>

— YRE INTERNATIONAL VIDEOGRAPHY COMPETITION —

YRE MALAYSIA AND SINGAPORE FIGHT AGAINST FOOD WASTE



International Collaboration, 11 -14 years old

The video with the title “Food Waste and Climate Change”. A collaboration between Malaysia and Singapore formed due to the Malaysian students’ visit to Singapore.

The video emphasises the effects of food waste on mother earth. It had won first place for the YRE videography competition under the International Collaboration category.

The video helps in creating awareness for young people on how modern agriculture has affected our environment due to chemical fertiliser. The people are able to know the alternative that can be done to overcome the food waste issues that are getting severe due to our irresponsible actions. By taking the food waste to a special processing plant it can be used to generate electricity and we could also turn it into compost, which is an organic fertiliser that can be used for farming. Thus, we should take responsibility for finding alternatives to recover our earth by working towards sustainable living.

“WHAT IF HUMAN EXTINCT”



The video is the result of the work from UPM students that undertake the Bachelor Of Science Environmental And Occupational Health Programme. It was selected as the honourable mention under the Campaign Video, 19-24 years old category. Moreover, it was created to raise awareness to protect, restore and promote sustainable use of terrestrial ecosystems, to sustainably manage forests, and to halt and reverse land degradation and halt biodiversity loss.

Sumatran rhinos have been hard hit by poaching and habitat loss, but the biggest threat facing the species today is the fragmented nature of their populations. The Sumatran rhinoceros is now extinct in Malaysia and the efforts to breed the species in Malaysia have so far failed and it was a wake-up call for us to act and fight animal extinction.

YRE WORKSHOP

YRE WORKSHOP



The Young Reporters for The Environment (YRE) Malaysia Training was conducted on 14 March 2019 at the Universiti Putra Malaysia (UPM) and was participated by 57 Environmental Health students.

Under the YRE Programme, we also provided a training session that aims to empower participants to be inspired by ESD related issues and to be engaged in raising awareness among the general public to take action towards building more sustainable, just, and resilient communities. Through the training, we will start by introducing them to Education for Sustainable Development (ESD) and YRE history as well as other information related to the YRE programme.

The YRE Training will also help and guide the participant for the YRE International Competition by providing video tutorials for the photo and video making.

THE YRE PROGRAMME METHODOLOGY

The Young Reporters for the Environment are based on a 4-step methodology that contributes to the development of participants' skills and knowledge about the environment.



THE YRE INTERNATIONAL COMPETITION RULES

1. Open to those ages 11 to 25, participating as individuals or groups of students through their school, college, university or youth group.
2. Include the following information which is the Name and age of the author(s), name of registered school or group and country of residence.
3. Fulfil the Format & Structure and the Dissemination criteria for its category.
4. Fulfil the Format & Structure and the Dissemination criteria for its category.
5. Should be written and/or spoken in English or include English subtitles.
6. Focus on a local environmental issue/problem based on the year's themes that will be linked to a chosen Sustainable Development Goal (SDG).

YRE ENVIRONMENTAL PITCHING



On 17 January 2019, the YRE Environmental Pitching was conducted at the Hotel Seri Malaysia, Melaka.

Various schools had participated where the students were able to pitch in their opinion and ideas regarding the environmental issues these days.

The YRE Environmental Pitching aims to provide the opportunity to the young people to voice out their opinion and take a stand in what they believe. They were able to connect their passion with the solution to a problem, develop a pitch for their solution, and perform the pitch to the audience. Not to mention, through this programme we could also raise awareness in environmental education to the community for the sake of the future generation.

The students' creativity can be seen throughout the programme where they have performed their ideas in various ways such as public speaking, singing performance and others. The main topic that was covered during the YRE Environmental Pitching was plastic pollution, the effects and how to mitigate it.

We are all aware that the trend towards green products and sustainable development has become an important agenda of organisations, society and the government. Thus, hopefully with the knowledge that has been gained through this programme will be utilised and implemented at the respective participated schools.

ENVIRONMENTAL PITCHING WINNERS



- 1st Place** ABDUL MUTALIB (SMK DURIAN TUNGGAL)
- 2nd Place** PUTERI AINA SAFIAH (SMK ISKANDAR SHAH)
- 3rd Place** YAKSHINI MURUGAN (SK CONVENT INFANT JESUS (1))

ENVIRONMENTAL PITCHING (SPECIAL EDUCATION) WINNERS



- 1st Place** NUR FAREHA (SMK BUKIT BARU)
- 2nd Place** MUHD HAFIZAN (SK BUKIT LINTANG)
- 3rd Place** QUEEN ELESZA QIESTEENA (SK PADANG)

06

CONSERVATION



THE CONSERVATION CHALLENGES



Our planet is under pressure due to a series of environmental challenges that we are currently facing globally. In order to protect the earth's natural resources, the act of conservation is needed to seek the sustainable use of nature by humans for various activities. Thus, we need to persist the natural resources for future generations while the diversity of species, ecosystems at the same time maintaining functions of the environment.

Malaysia is known for places that are rich in wildlife, and this includes numerous rare species of flora and fauna, some not found in any other parts of the world. However, the conservation effort is still insufficient to the extent where a wildlife conservation expert has labelled Malaysia's conservation efforts as "incredibly poor". Despite having all the solutions and means to prevent it, we are still unable to protect our wildlife such as rhinoceros, green peacock, leatherback turtles among others.

Some of the major conservation challenges in Malaysia is habitat loss where the continuous emergence of wildlife news in the media has warrants serious attention from the government and the relevant authorities. Malaysian wildlife faces a desperate fight for survival into the future and without urgent intervention, many of the country's endangered species will soon be wiped out. Most Malaysians think of wildlife loss as indirectly impacting them. Using the example of the big mammals, like tigers and elephants, these endangered animals play a huge role in the health of the forests.

Conservation NGOs have repeatedly warned that our destructive activities have taken a serious toll on our wildlife. Deforestation is one of the conservation challenges that corresponds to our wildlife issues. According to the Global Forest Watch, it stated that the primary forest loss in Malaysia in 2019 is 120,000 hectares where 50,000 hectares of primary forest loss occurred in Peninsular Malaysia. The major cause is due to large-scale agriculture and has caused a severe biodiversity loss.

Still, various conservation challenges in Malaysia needed to be addressed in order to create a more sustainable planet. The government and the relevant authorities should be conducive to seeking sustainable solutions. We must also stress human behavioural changes through education and additional efforts in raising awareness to encourage the public to take action.

MALACCA THE CITY OF HERITAGE TOURISM



Living in Malaysia means that you are surrounded by a variety of life forms. Melaka is one of the places that holds a remarkable example of both historic state and national heritage. Boasting a good blend of historic attractions and home to a variety of great food, Melaka is also one of the last strongholds in Malaysia for its national heritage, the critically endangered species of sea turtles.

Thus, we are able to attract travellers through art, architecture, handicrafts, traditional attire, music and dance, which reflects a colourful heritage and a mixed culture. Heritage tourism in Melaka is known as a sub-sector that plays a significant role as the most important economic sector in the state and it possesses immense potential among both international tourists as well as Malaysian domestic travellers. Despite that, we are still responsible for preserving Malacca national heritage as a means of strides toward building a sustainable, green city.

MARINE TURTLES : MALAYSIA'S NATIONAL HERITAGE

In Malaysia, 4 turtle species are present; including the hawksbill turtle species where nesting activity in Malacca are among the highest in Malaysia. However, this species is considered critically endangered globally by the International Union for Conservation of Nature (IUCN), meaning they are already on the verge of extinction. In Malacca, the species is suffering serious threats from extensive coastal land reclamation. An example is the decrease of hawksbill visits to Pulau Upeh, which used to be the spot with the highest nesting activity in Melaka. This due to the proximal reclamation projects on the mainland along the shores of Klebang Beach, causing coastal erosion and change in surrounding marine topography.

Furthermore, the sustenance of the species is also adversely affected by unsustainable and irresponsible coastal tourism, due to the fact that it had become the main attractions for tourism and had brought benefits to the country's economy. Not to mention, it is also affected by the environmental issues that are getting severe day by days. Hence, public turtle awareness is important in ensuring the survival and population health of not only the local turtle species but also the health of marine and beach ecosystems present in the region indirectly.

CONSERVATION EFFORTS TO PROTECT MELAKA HERITAGE

The elements of heritage could suffer from deterioration caused by modernisation when a city goes through drastic changes in form and style, hugely departing from its local identity and subsequently losing its sense of place. In Melaka, it can be seen that the developments of the tourism industry in the coastal area are very aggressive and had affected the marine turtles' species. This is among the reasons why the protection of valuable heritage should be sustainable to ensure its longevity and correspond with the idea of sustainable development.

Conservation is all about saving nature; trying to keep all the beautiful places, species and habitats – in short, the wonders of the natural world – on this Earth. For your information, marine turtles play an important role in ocean ecosystems as well as bringing various benefits to our country. Hence, the state government has formalised a vision to transform Melaka into a Green Technology State by 2020 whereby making the nesting beaches more suitable through green initiatives and protecting the habitat of hawksbill turtles has become one of the goals they are trying to achieve.



In order to discover the foraging habitat of the hawksbills nesting along the Melaka coastline and to identify the threats towards the species, WWF-Malaysia formed a partnership with the Department of Fisheries Melaka and Kem Terendak military base camp to deploy a satellite transmitter on a female hawksbill turtle. Not to mention, we have acquired various achievements through this research.

However, the responsibility of saving these magnificent marine reptiles also lies in our hands. This is why it is important to raise awareness regarding turtles conservation among the community especially the young people in order to protect our national heritage. There are many ways to commit ourselves to be a turtle guardian and every action towards conserving our marine turtles will create a bigger impact globally. By supporting and engaging with marine turtle conservation projects or conducting various sustainable activities, we can certainly conserve as well as protect our biodiversity and heritage for the present and future generations.

THE ACHIEVEMENTS

1. Annually, 400 to 450 hawksbill turtles nestings are recorded in Melaka making this the biggest nesting population in Peninsular Malaysia.
2. Padang Kemunting is known as one of the main landings for hawksbills, with an average annual landing of 100 nests, which contributes to 20% to 25% of the total number of nesting in Melaka.

TURTLE CONSERVATION AWARENESS THROUGH EDUCATION



As a means to protect Malaysia's national heritage the marine turtle, the Green Growth Asia Foundation had conducted a conservation project that offers consultation and education to help protect these iconic creatures in Melaka. The importance of turtle conservation efforts should be emphasised more and we need to act in order to forge a future for these marine animals.

Environmental education will provide important opportunities for students to become engaged in real-world issues that transcend classroom walls. Hence, the greater awareness the students acquire, the more likely they are to act due to the higher levels of environmental knowledge that correlate significantly with a higher degree of pro-environment and conservation behaviour.

The conservation project consists of various environmental education programmes for young people. The programmes were meant to be a platform for schools to work towards understanding not only sea turtle conservation awareness but also to address bigger conservation and environmental sustainability issues, especially within their vicinity. Moreover, the programme also offered engaging educational sessions, showcasing scientific studies, hands-on activities and talks from the contemporary sea turtle and environmental health experts, hence granting students an enriching learning environment - all visions in making a positive difference in our children's futures.

THE MAIN OBJECTIVES

1. To establish a tangible, positive, and effective culture where children spend more time outdoors for physical and mental well-being inculcating healthy outdoor excursions, habits and practices; thus fostering a sustainable green lifestyle.
2. To expose youths to the importance of conservation, rehabilitation and management of turtle species that are found in Malaysia.
3. To spark awareness among the youths on the marine ecosystem issues in Malaysia due to human activities which are detrimental and not sustainable.
4. To establish a 'life-long learning' mindset among youths and to emphasize the vast amounts of knowledge that cannot be bound by an indoor environment.

THE BACK 2 NATURE - TURTLE CAMP PROGRAMME 2019

Due to the Conservation Project, the Green Growth Asia Foundation had partnered with WWF-Malaysia and the Department of Fisheries to conduct The Back 2 Nature - Turtle Camp Programme 2019. The project was held throughout the period from February 2019 until June 2019 at The Turtle Conservation and Information Centre of Padang Kemunting and the Padang Kemunting Beach.

Through the programme, the individuals involved to raise awareness on sea turtle conservation efforts in Melaka; particularly to instil awareness among the younger generation on the importance of turtle species conservation, especially the endangered hawksbill turtle species which come to nest along the shores of the state of Malacca. The programme also aims to raise awareness regarding plastic pollution and its effects on turtles and marine ecosystems. It was also designed to provide exposure to the student about their natural heritage and its conservation effort while increasing their awareness and infusing on how they can play a role in protecting the perpetuity of this species.

Hence, the students will be more aware of the usage of environmentally friendly products and public littering etiquettes. Students are also more aspired to venture into sea turtle awareness and conservation-related fields as career options such as marine biology, marine ecosystem health, sea turtle crosy, and marine debris management.

The conservation project consists of various environmental education programmes for young people. The programmes were meant to be a platform for schools to work towards understanding not only sea turtle conservation-awareness but also to address bigger conservation and environmental-sustainability issues, especially within their vicinity. Moreover, the programme also offered engaging educational sessions, showcasing scientific studies, hands-on activities and talks from the contemporary sea turtle and environmental health experts, hence granting students an enriching learning environment - all visions in making a positive difference in our children's futures.



300 INDIVIDUALS

304 STUDENTS

33 TEACHERS

15 PRIMARY AND SECONDARY SCHOOLS

IN PARTNERSHIPS WITH:



TURTLE TALK SESSION BY WWF MALAYSIA

TURTLE TALK SESSION BY WWF MALAYSIA



Under The Back 2 Nature - Turtle Camp 2019 Programme, there were various activities conducted such as the Turtle Talk Session By World Wide Fund for Nature Malaysia. An introductory talk is given by the staffs of WWF-Malaysia to the schools' trips to enrich their knowledge on interesting turtle facts and figures, particularly on the resident hawksbill turtle species of Malacca, the issues faced by sea turtles around the world, particularly in Malaysia, as well as the mitigation and conservation efforts to ensure the survival of sea turtle species.

The session also includes multimedia presentations to further engage the students' attention. Although very much theoretical, this activity plays an important role in enriching the students with valuable turtle facts and conservation knowledge that will be helpful not only in their comprehension test performance, but also in playing various roles in turtle conservation in the future. At the same time, we could raise awareness and spark their interest in conservation which certainly will help in creating a more sustainable planet.

VISIT TO TURTLE POND AND POEM RECITAL PERFORMANCE



During The Back 2 Nature - Turtle Camp 2019 Programme, the participating students are also given the chances to visit the "Turtle Pond". They were able to witness the captive adult hawksbills and an adult green turtle. Thus, participants are able to possess knowledge regarding endangered sea turtles and the main purpose of the programme before proceeding to the other activities.



Students are performing poem recital for the "Turtle Appreciation" session.

Other than that, the students themselves have also prepared a poem recital performance for the "Turtle Appreciation" session. Through this activity, we can certainly see that the young people are the agents of change which will play a significant role in influencing the community for the sake of future generations.

BEACH CLEAN-UP ALONG PADANG KEMUNTING BEACH



As a part of The Back 2 Nature - Turtle Camp 2019 Programme, the Green Growth Asia Foundation has also conducted a beach clean-up along Padang Kemunting Beach. It is the most frequented nesting ground of the hawksbill turtle in Malacca. In Peninsular Malaysia, the shores of Malacca is the most frequented nesting ground for said species and one of the highest in South East Asia, with Padang Kemunting as the top hotspot.

This activity is important in not only raising awareness of the students on the importance of these beaches to the survival and population health of these hawksbill sea turtles but also to instil proper litter etiquettes and on how human litter can harm marine life. Each school trip is split into 2 teams of eleven, where a teacher is to supervise their respective group of students during the beach clean up where they are provided with gloves and trash bags.

during the beach clean up where they are provided with gloves and trash bags.

At the end of the session, groups made tallies on the type of trash they have collected and recorded the total weight collected. These data are then pooled and uploaded onto the Clean Swell database prepared by The Ocean Conservancy. This initiative is a “global community” movement to monitor the trash collected on beaches around the world and to formulate mitigation methods to further conserve the cleanliness of the respective beaches.

OVERALL, THE PARTICIPATING SCHOOLS ARE ABLE TO COLLECT 172.80 KG OF TRASH THROUGHOUT THE PROJECT FOR A TOTAL DISTANCE OF 3.75 KM.



HAWKSBILL TURTLE, THE NATIONAL HERITAGE OF MELAKA



Malacca is the home to the endangered Hawksbill Turtle, the most beautiful sea-turtle in the world. Annually, 400 to 450 nestings are recorded in Melaka making this the biggest nesting population in Peninsular Malaysia.

Despite that life at sea for any turtle is never easy and only 1 out of 1,000 of hatchlings will survive to adulthood due to threats as well as dangers surrounding them all the time no matter where they are. For your information, Hawksbill turtles only reach sexual maturity after approximately 20 years of age, and reproducing has always been tough as their numbers are declining. Female hawksbills that are ready to lay their eggs will make their way back to the same beaches where they were hatched in order to nest. However, in today's era of rapid development, all too often the beaches are too brightly lit and crowded or gone to make way for human use.

Scientists believe that sea turtle hatchlings have an inborn tendency to move in the brightest direction. On a natural beach, the brightest direction is most often the open view of the night sky over and reflected by, the ocean. Hatchlings also tend to move away from darkly silhouetted objects associated with the dune profile and vegetation. This sea-finding behavior can take place during any phase and position of the moon, which indicates that hatchlings do not depend on lunar light to lead them seaward.

Thus, light pollution will have a major impact on species of endangered or threatened sea turtles that nest on developed beaches. But how exactly do artificial lights threaten endangered sea turtles?

1. Artificial lighting along the coast can confuse and misdirect newly emerged hatchlings by appearing brighter than the sea surface horizon. This eventually often lead the sea turtles to die because of dehydration or predation.
2. The endangered Sea Turtles may be eaten, run over, or drown swimming pools. This is due to the light pollution the hatchlings will ignore other visual cues and move toward the artificial light no matter where it is relative to the sea which often leads hatchlings astray.

In order to reduce the impacts of lights on Sea Turtles, we need to take immediate action immediately by reducing the amount of artificial light that is visible from nesting beaches and more.

SEA TURTLE FRIENDLY LIGHTING PROJECT



As an effort for turtle conservation, the Green Growth Asia Foundation are determined to tackle this issue by taking one step further to protect the Melaka national heritage by conducting a Sea Turtle Friendly Lighting Project. This is because Sea turtle populations have suffered worldwide declines, and their recovery largely depends upon our managing the effects of expanding human populations. One of these effects is light pollution—the presence of detrimental artificial light in the environment. Of the many ecological disturbances caused by human beings, light pollution may be one of the most manageable. Light pollution on nesting beaches is detrimental to sea turtles because it alters critical nocturnal behaviours, namely, how sea turtles choose nesting sites, how they return to the sea after nesting, and how hatchlings find the ocean after emerging from their nests.

The main objective of the project is the habitat preservation of the critically endangered Hawksbill turtle at Padang Kemunting Beach, Melaka. This is because Padang Kemunting Beach specifically has become one of the last bastions for the Malaysia Hawksbill species that are being threatened with extinction. Hence, throughout the 2-year period, the project will follow a systematically designed timeline covering the implementation of several key activities that correspond with the project objectives to gain a better outcome.

The Green Growth Asia Foundation is honoured to be funded by The Global Environment Facility (GEF) Small Grants Programme (SGP) for the Sea Turtle lighting project. SGP will generously provide grants to enable GGAF to tackle climate change, conserve biodiversity, and various environmental issues.



MINI CONFERENCE TURTLE & PLASTIC



On 30 and 31 March 2018, the Mini-Conference Turtle & Plastic was organised by the Green Growth Asia Foundation and WWF Malaysia at the Ismah Beach Resort, Pengkalan Balak, Melaka. The aim of the conference was to inspire and empower youth to become independent, proactive stewards of the environment through exposure to the turtle ecosystem and to understand the impact of plastic on the sea turtles.

Melaka is one of the last strongholds in Malaysia for this critically endangered Hawksbill species of sea turtle. Hence, GGAF took the responsibility to protect the hawksbills – a natural heritage and pride of Melaka – to complement the state’s sustainable development. The conference plays a vital role in advocating and educating the schools children and teachers to protect the marine species by reducing the plastic waste in their daily life.

OBJECTIVE:

The Mini-Conference Turtle and Plastic aim to protect the marine turtle population by educating and enabling school students via a study tour that will certainly give them a lifelong experience. Through this conference, it will also give the opportunity to create awareness on plastic and its harmful impact on the marine ecosystem

30 STUDENTS

10 TEACHERS

THE OUTCOME

The Mini-Conference Turtle and Plastic was largely considered a success in building momentum for the implementation of zero plastic waste at schools. The conference has been followed through with an article writing competition for the students to pledge their commitment to reducing plastic waste in their daily life as they witnessed the impact on the oldest marine creature – turtle.

DOCUMENTARY VIDEO OF LIGHT POLLUTION AND HAWKSBILL TURTLE



Melaka is known as home to the critically endangered hawksbill turtle that acts as nesting beaches for female turtles to lay eggs, feeding grounds such as coral reefs and seagrass beds for turtles to foraging, and migratory pathways for turtles between feeding grounds and nesting beaches. Not to mention, marine turtles have also existed as an integral part of Malaysia's rich history and culture. The turtles have become one of the main attractions for tourism in Malaysia and have been repeatedly used in promoting Malaysia as a tourism destination as well as generating revenue for the country.

However, the number of hawksbill turtle nestings have reduced in Melaka over recent years, as the state intensified its land reclamation efforts and its beaches have become increasingly popular for tourists, threatening the turtle's existence in the region. Thus, the Green Growth Asia Foundation had produced the "Light Pollution and Hawksbill Turtle" documentary video in order to raise awareness among the community.

The "Light Pollution and Hawksbill Turtle" video discussed about the critically endangered hawksbill turtle in Melaka. Through the video, the viewer will able to gain knowledge regarding the causes, the effects, how to mitigate the issues and about the turtle conservation. Hence, people will be more aware and will have the courage to voice out their opinion and take action as an effort to help in protecting our national heritage before it is too late.

LIGHT POLLUTION AND HAWKSBILL TURTLE



<https://youtu.be/O1H2mNgIS70>

The Hawksbill turtles make 500 to 600 nestings in Melaka every year, the highest concentration of landings in peninsular Malaysia.

07

INDUSTRIAL REVOLUTION 4.0



INDUSTRIAL REVOLUTION 4.0

INDUSTRIAL REVOLUTION 4.0

In modern times like these, we are in the midst of a significant transformation regarding the way we produce products thanks to the digitisation of manufacturing. This phase is called the fourth revolution which is the ongoing automation of traditional manufacturing and industrial practices, using modern smart technology. However, it is not just about investing in new technology and tools to improve manufacturing efficiency but it is about revolutionising the way your entire business operates and grows.

The 4.0. Industrial Revolution not only provides opportunities but also challenges for the millennial generation. Therefore, in order to flourish in the fourth revolution, innovation and entrepreneurship need to become the key concepts for sustainable economic development. The developments of science and technology as a trigger for the industrial revolution can cause some negative implications for future generations. Therefore, let us put entrepreneurship learning as a compulsory matter taught in educational institutions from an early age so that the young people will become reliable innovators who are ready to compete but remain in the same era in the era of industrial revolution 4.0 today.

IS MALAYSIA READY FOR INDUSTRIAL REVOLUTION 4.0 ?

Malaysia looks towards Industry Revolution 4.0 to boost productivity growth, with priority initially given to the manufacturing sector, with future plans to extend it to other sectors. According to Prime Minister Tun Dr Mahathir Mohamad, there is a need to be aggressive in adopting Industrial Revolution 4.0 because the digital transformation was expected to accelerate a sustainable future for Malaysia. This could also lead to an increase in the GDP per capita following increased productivity and employment opportunities. Be that as it may, Malaysia is still facing several challenges such as unemployment, human and machine competition as well as increasingly high demands on competency.

Malaysia is known to have the youngest population as its median age is 28.5 years, often cited by economists as an important determinant of economic growth. Youth remains to be an untapped resource for IMT's growth with youth unemployment rates being 3 to 5 times the average unemployment rates. Therefore, it is important to instil innovation and entrepreneurship skills among the youth to enable them to contribute to the continuing development of Malaysia.

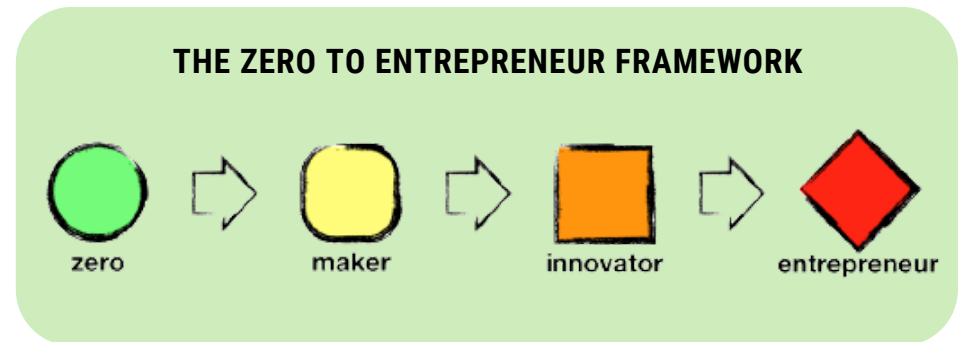
In order to scale up the population of innovation and entrepreneurship, young people should be targeted for their unlimited potential.

ENTREPRENEURSHIP EDUCATION AND TRAINING (EET) —

Entrepreneurial education and training (EET) are a legitimate and effective Technical and Vocational Education and Training (TVET) strategy that universities and governments have strongly supported in enhancing young people skills. EET refers to programmatic interventions that aim to impart entrepreneurial knowledge, skills, and attitudes to its participants. It is also the most common learning approach used to attain better innovation and entrepreneurship human capital outcomes.

This formative window is an untapped opportunity, especially for countries with younger populations that can benefit from maximizing the innovation and entrepreneurship potentials of their working population. Not to mention, soft skills are critical in entrepreneurship and also seen as life-long competitive assets that link to better employment outcomes. This is particularly true with the onset of the Fourth Industrial Revolution (4IR) that will inevitably shift labour market dynamics towards, putting increasing importance on soft skills.

Shifting the focus of EETs, however, is not a simple process. Significant changes to content and delivery are needed to make these interventions appropriate for uninitiated individuals. Early training could provide a significant feedstock to the next phase of EET programs.



MAKER EDUCATION

Maker Education is an effective approach to develop 21st-century skills of communication, collaboration, critical thinking and problem-solving, and creativity. It builds important skills through problem-based and project-based learning and through hands-on and collaborative learning experiences as a method for solving real-world problems. These programs also encourage youth to explore science, technology, engineering, and mathematics (STEM) concepts that are increasingly in demand in the IMT labour market and aligned to government policy directions. Maker Education often takes place in a Makerspace (or Innovation Lab) which is a creative space equipped with various tools such as 3D printers, software, electronics, craft and hardware supplies and tools, and more.

THE ZERO TO MAKER PROGRAMME



The Zero to Maker Innovation Competition project (Z2M) was launched in the State of Kedah (Z2M Kedah) working alongside Menteri Besar Kedah Incorporated (MBI Kedah) as a partner to support the implementation of the umbrella IE Programme. Z2M Kedah is a multi-stakeholder training project organised by the Green Growth Asia Foundation (GGAF) and Asia School of Business (ASB). MBI Kedah represents a highly strategic partner for the successful implementation of the Z2M project in Kedah.

Z2M Kedah aims to develop the innovation and entrepreneurship skills and attitudes of youth living in Kedah and enabling them to contribute to the continuing development of the state. The implementation involves several secondary schools.

By supporting the umbrella IE Programme, Z2M Kedah will be contributing to achieve the long-term goal of the IE Programme; in

this case to accelerate economic development, significantly reduce unemployment, promote job creation, and build the innovation and entrepreneurship ecosystem within Kedah.

Through a series of workshops focused on Making, Innovation, and Entrepreneurship, Z2M Kedah is designed to be a continuing strategy that provides youth in Kedah with added opportunities to unleash their creative potential. Z2M Kedah represents an opportunity to develop a successful Z2M model project that is intended to be upscaled and replicated further in Kedah and to the other Malaysian States, the IMT-GT subregion and ultimately the entire ASEAN region. There is a role for MBI Kedah in supporting this roll out within the IMTGT subregion.

100 STUDENTS

20 TEACHERS

10 SCHOOLS

THE OUTCOME

- A Zero to Maker Labs and Online Learning Platform will be set up in each school.
- A Zero to Maker Competition will be established with awards being made at the end of the project.

IMPORTANCE OF INNOVATION AND ENTREPRENEURSHIP WORKSHOPS

IMPORTANCE OF INNOVATION AND ENTREPRENEURSHIP WORKSHOPS

Soft skills that are critical in entrepreneurship are equally important as life-long assets that lead to better outcomes in youth productivity. Z2M aims to expose participants to 21st-century skills of communication, collaboration, critical thinking, problem solving and creativity through an entrepreneurship-focused training programme.

Using Making as an entry point, the Z2M encourages its participants to explore science, technology, engineering, arts, and mathematics (STEM) concepts that are increasingly in demand in the IMT-GT labour market. Maker Education often takes place in a Makerspaces (or Innovation Lab), which is a creative space equipped with various tools such as 3D printers, software, electronics, craft and more.

ZERO TO MAKER WORKSHOP

The goal of this immersive and interactive course is to take participants out of linear single-discipline experiences and through multi-dimensional technical and human centred learning. The course covers the basics of design, product fabrication, identification of unmet human needs through empathy and immersion, development of feasible and viable solutions, and fundamentals of entrepreneurship thinking.

ZERO TO ENTREPRENEUR COMPETITION

The first year of the Z2M will culminate through a competition that recognizes top-performing students from universities and schools who display an exemplary commitment to promoting innovation and entrepreneurship in their communities. Moreover, a design challenge will be released in June 2019 that will allow participating schools to engage in healthy competition to collectively sharpen innovation and entrepreneurship capacities in the IMT-GT. The competition will be undertaken on a provincial, national and IMT-subregion level among participating universities and schools.

IN PARTNERSHIPS WITH:



JABATAN PENDIDIKAN NEGERI KEDAH

08

CLIMATE CHANGE



CLIMATE CHANGE IN MALAYSIA

In Malaysia, studies indicate that surface temperature, sea level and extreme weather events are trending upwards. For your information, Malaysia ranks near the bottom in the global Climate Change Performance Index, which compares the climate protection performances of countries that are responsible for 90% of greenhouse gas emissions. Global warming and weather changes have caused droughts leading to water shortages, forest fires and floods that cause death and affected the livelihoods of hundreds of communities each year, especially in the East Coast Malaysia. Not to mention, according to BP's research, Malaysia's CO₂ emissions amounted to 250.3 million tonnes in 2018 where the main sources of the emissions were energy, mobility and waste. Thus, it is clear that we are still lacking efforts in mitigating climate change issues effectively.

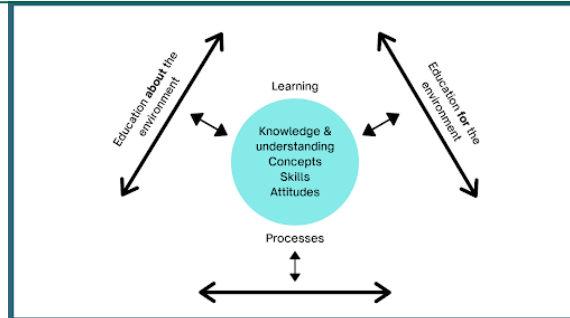
Youths will face the more severe impact of climate change and that is why they need to be involved in exploring the impact and importance of protecting the environment. However, due to the lacking of the Malaysian education system, the students were not able to gain a lifelong learning experience and enhance their skills. Due to the education system that is very exam-oriented and lacks real-world connection it can be contrived and can lose the power to motivate students to engage in deeper learning.

Climate change is a burning global issue where it already result various visible effects to the world. It is a long-term shift in weather conditions identified by changes in temperature, precipitation, winds, and other indicators. From shifting weather patterns that threaten food production, to rising sea levels that increase the risk of catastrophic flooding, the impacts of climate change are global in scope and unprecedented in scale. Without drastic action today, adapting to these impacts in the future will be more difficult and costly.

The world's leading climate scientists think human activities are almost certainly the main cause of the increasing the greenhouse effect and global warming. This is due to the fact that CO₂, the greenhouse gas produced by human activities is responsible for 64% of man-made global warming. In 2020, the earth's global average surface temperature are tied with 2016 as the warmest year on record, according to an analysis by NASA. Therefore, the first action we need to initiate is to raise awareness on climate change mitigation and adaptation among the community. We are all aware that young people are known as the agent of change for the future and that is why only through education we are able to promoting behavioural change to overcome this global issue.

EMPOWER & EDUCATE THE YOUNG PEOPLE

EMPOWER THE YOUNG PEOPLE TO MAKE A DIFFERENCE THROUGH ENVIRONMENTAL EDUCATION



In order to overcome the challenges, the Green Growth Asia Foundation decided to approach this issue through education and various projects. Education is an essential element of the global response to climate change. It helps people understand and address the impact of global warming, increases “climate literacy” among young people, encourages changes in their attitudes and behaviour and helps them adapt to climate change-related trends.

Through environmental education, it allows the students to explore environmental issues, engage in problem-solving, and take action to improve the environment. As a result, they develop a deeper understanding of environmental issues and have the skills to make informed and responsible decisions. Based on the Teaching for Quality Education in Environmental Education Journal, the teaching and learning process in environmental education could be based on this framework.

EDUCATING THE YOUNG PEOPLE THROUGH CLIMATE CHANGE EDUCATION

Climate change, one of the major challenges of modern times. To comprehend the various messages around climate change, it is important to foster climate change education. A vital part of environmental education is education for sustainable development and eco-social competence. The main goals of climate education include building a sustainable future, inspiring action and practising influencing skills at the social and personal levels. It is imperative to understand climate change but also to change one’s own behaviour and cause impactful actions.

Green Growth Asia Foundation is determined to practice climate change education through various programmes. The goal is to provide opportunities to educators to embed elements of climate change into lessons and ensure students acquire the knowledge needed to address the issue in the capacity they see fit. For effective teaching methods, the educators must rethink climate change mitigation and adaptation in ways that are technical but also socially transformative that harness creativity and empowers students to act on their own accord.

By practising critical, creative thinking and capacity building, the youth is enabled to engage the information, ask critical questions and determine appropriate actions to respond.

CLIMATE READY CLASSROOM PROGRAMME



Climate change and its consequences are escalating, with climate-related catastrophe piling up, season after season and its impact will be felt in Malaysia globally. Responding to the issues, Green Growth Asia Foundation (GGAF) endeavour to teach the youth out there through the Climate Ready Classrooms Programme which develops pathways and opportunities for young people to engage with climate change. The main goal is to instil in young people, as well as teachers and ultimately the broader community, a culture of low carbon footprinting by making the schooling environment a catalyst for the propagation of low carbon use.

The programme offers a one-day accredited carbon literacy training course for secondary schools which has been designed for young people aged 14-17 years, along with their teachers, headteachers, CLD practitioners and youth and children’s workers.

It helps young people understand the facts of climate change and identify how they can make changes in their own school and community to reduce carbon emissions. Throughout the programme, we focus on developing students’ critical thinking skills which are to question, challenge and seek to discover answers and solutions for themselves.

IN PARTNERSHIPS WITH:

86 STUDENTS
39 TEACHERS
13 SCHOOLS



THE OUTCOME

- Improve the understanding of the science of climate change.
- Identify opportunities in their personal or school lives to reduce carbon emissions.
- Create, share and learn from global and local networks for climate action.
- Actively support Malaysian’s transition to a low carbon society.

THE CARBON LITERACY WORKSHOP

THE CARBON LITERACY WORKSHOP



Climate change is getting severe and young people will be the ones who are able to make the differences. Thus, in order to prepare them with knowledge and to make informed decisions in their daily life, the Green Growth Asia Foundation had collaborated with Hang Tuah Jaya Municipal Council to conduct the Carbon Literacy Workshop. The Carbon Literacy Workshop was held on the 20 August and 3 September 2019 for both primary and secondary school at Dewan Seri Bendahara, Melaka.

The workshop is based on 2 modules which contain about the introduction to climate change and carbon calculation as well as the baseline development. Through the workshop, the participated students are able to actively learn about climate change and gain a lifelong learning experience which certainly will be helpful in the future.

THE CLIMATE READY CLASSROOM WORKSHOP



As an effort to empower the young people to act on climate change issues within their own schools and communities, the Green Growth Asia Foundation had collaborated with Hang Tuah Jaya Municipal Council to conduct The Climate Ready Classroom Workshop. The workshop was held on the 10 and 11 February 2020 for both primary and secondary school at Dewan Seri Bendahara, Melaka.

The participated students are able to gain knowledge about climate change, carbon emissions and footprinting, as well as the potential impacts on the health and sustainability of the environment and its inhabitants. Not to mention, training on carbon calculation, financial data retrieval and the analysis involved to determine the progress in reducing carbon footprints were also given throughout the workshop.

TINY FOREST PROJECT WORKSHOP



The Tiny Forest Project Workshop was conducted on 27 June 2018 at the Edu Park, Universiti Putra Malaysia. This workshop was co-organised with the E-Ijau Millennium Explorer and it was also included with visits to forest parks in KL.

The Tiny Forest Project Workshop exposes the participants to environmental education by combining leisure with guided experiential learning. The participants are able to gain lifelong experience and knowledge about technical aspects in setting up a tiny forest. The given hands-on activity module will prepare the participants to design and plan their own tiny forest project for their school.

This forest education and community outreach workshop uniquely connects students of all ages with nature and fosters an appreciation and understanding of the many natural and cultural wonders found within UPM forest educational park.

OBJECTIVE:

Tiny Forest Project workshop provides an opportunity for people to learn how to create their own forest in an interactive, experiential and hands-on manner. It's an interesting mix of classroom sessions and actual outdoor forest creation. At the end of the creation, you will have your own tiny forest and the skill and knowledge to create more forests on your own.

IN PARTNERSHIPS WITH:

30 STUDENTS
4 TEACHERS



THE OUTCOME

Through the workshop, the students had experience in developing a structured action plan to record their next steps to implementation at their school. By Planting tiny urban forests, the participants take part in boosting the biodiversity and fight climate change.

DIGITAL CLIMATE CHANGE MARATHON



The Digital Climate Change Marathon was conducted on the 23 until 27 November 2020 as one of the initiatives to raise awareness among the youth regarding climate change and carbon footprint issues that are increasingly getting severe as well as to ensure they have a deeper understanding that can allow them to become the agent of change in the future.

The climate change issue is getting severe day by day, and certainly, the severe impacts from it will be faced by our future generations. However, young people in Malaysia are still oblivious of these critical issues. Thus, the Digital Climate Change Marathon programme is conducted to raise the teacher and student awareness about climate change so that changes for the better can be made in the future.



The Majlis Perbandaran Hang Tuah Jaya and Green Growth Asia Foundation decided to jointly organise the programme in Melaka. However, due to the COVID-19, some changes have been made for the programme where it will be conducted online and the participants are able to do the assignments according to their spare time. Added to this, the modules and the worksheet are also provided online to ensure that the participants are able to comprehend all the information easily.

179 STUDENTS

24 TEACHERS

13 SCHOOLS

The Digital Climate Change Programme enables the participants to gain various knowledge about climate change and carbon footprints by highlighting crucial environmental issues.

THE DIGITAL CLIMATE CHANGE MARATHON BOOK



As a result of the Digital Climate Change Marathon Programme, the Green Growth Asia Foundation are able to publish an education for sustainable development books in support of the ESD initiatives. The book has also been used as a reference throughout the programme that contains the topics on carbon emissions that contribute to global climate change.

The Digital Climate Change Marathon book contains the topics such as introduction to carbon, carbon emission from electricity consumption, water, domestic waste and food which are explained through illustrations that will allow the readers to comprehend easily. The readers could also learn about carbon calculation methods as well as steps to reduce the carbon footprint of individuals and schools. Not to mention, the students are able to test their understanding by completing the assignments and exercises for each of the topics. It is clear that by having engaging learning material, the participated students are able to learn effectively even through the virtual platform.

THE ACHIEVEMENTS

The Digital Climate Change Marathon encompasses learning session, quizzes and assignments which is carbon calculation for individual and respective schools. Thus, as rewards to appreciate the students and school efforts, the programme will offer prizes for the chosen winners.

80% FOR OVERALL MARKS

All the participated primary schools are able to gain 80% above for their overall marks. This is due to the fact that the students are able to complete the given task under the guidance of the Digital Climate Change Marathon book.

For the participated secondary schools, only 4 schools were able to gain 80% above for their overall marks. On the contrary, the remaining 2 schools are lacking due to the lack of participation.

THE PROGRAMME ORGANISER:



09

ENTREPRENEURSHIP



ENTREPRENEURSHIP EDUCATION IN MALAYSIA

ENTREPRENEURSHIP

Entrepreneurship is important for a number of reasons, from promoting social change to driving innovation. Entrepreneurs these days are frequently thought of as national assets to be cultivated, motivated, and remunerated to the greatest possible extent. This is due to the fact that their innovations may improve standards of living, and in addition to creating wealth with entrepreneurial ventures, they also create jobs and contribute to a growing economy. In order to reduce the unemployment rate in the future, we need to equip young people with entrepreneurial skills and trained them to become more business-oriented in order to earn a better living.

According to a new report released by the UN Department of Economic and Social Affairs, tearing down barriers that prevent young people from becoming successful social entrepreneurs will contribute to advancing the Sustainable Development Goals and tackling the socio-economic impacts. For example, is the access to start-up funds that are presently limiting the ability of young people to engage in profitable activities. Many regulatory systems often prevent young people from accessing financial products and services needed to start an enterprise.

To encourage entrepreneurship, we need to empower the youth with the necessary skills and motivation to spark innovation and economic growth. Thus, certainly, entrepreneurship can provide a viable path forward for young people to earn a living and help address their communities' needs in the future.

ENTREPRENEURSHIP EDUCATION IN MALAYSIA

In Malaysia, the entrepreneurial spirit is low despite having many entrepreneurship development organisations. This is due to several reasons which are financing, even though many agencies support the causes of entrepreneurship education, the process of acquiring the loan is considerably tedious for students. Hence, young people were not able to fully gain knowledge about entrepreneurship and relevant skills which could be useful for them in the future. This is because entrepreneurship education will provide individuals with the ability to recognize commercial opportunities, self-esteem, knowledge and skills to act on them. It includes instruction in opportunity recognition, commercializing a concept, managing resources, and initiating a business venture.

Other than that, is the commitment to entrepreneurship education. Both educators and students find it is challenging to commit to this cause. The student's priority is to prioritize academic grades and the ability to juggle between study and venturing into business is a challenge for them. While the educators argued that they are burdened by academic tasks and in order for them to commit to entrepreneurship education, they need more time as well as recognition. Not to mention, some of the educators do not have the qualification and proper experience in entrepreneurship education. It is important to understand that entrepreneurship education is not only about learning the theories of business, but also it demands extensive exposure to personal practical experience, an effective pedagogical method, and an experienced and competent educator.

10

MEDIA



MELAKA MOOTS ECO-SCHOOLS



Melaka Chief Minister Datuk Seri Idris Haron (left) during the launch ceremony of the Eco-Schools 2017 programme in Melaka July 20, 2017. — Bernama pic

MELAKA, July 21 — The Melaka government is embarking on the Eco-Schools 2017 programme to raise awareness on the importance of protecting the environment among students.

Chief Minister Datuk Seri Idris Haron said it would involve 314 primary and secondary schools in the state and would be done in stages in cooperation with Green Growth Asia, WWF-Malaysia and the Melaka Education Department.

"It is in line with making Melaka a green technology state by 2020," he told reporters after launching the programme here yesterday.

Also present were Executive Director and Chief Executive Officer of WWF-Malaysia Datuk Dionysius Sharma and Green Growth Asia Executive Director Balamurugan Ratha Krishnan. — Bernama

8 Jumaat 29 September 2017 MELAKA HARI INI MAJU FASA II MELAKA HARI INI

Program Eco School dedah murid sayangi alam sekitar



SESI memberi makan kepada penyu oleh pekerja disaksikan murid dan guru SMKBB.

Oleh FAIZ HASAN

MASJID TANAH 28 Sept. - Seramai 35 murid pendidikan khas Sekolah Menengah Kebangsaan Bukit Baru (SMKBB) mengadakan lawatan di Pusat Konservasi dan Penerangan Penyus, Padang Kemunting, dekat sini semalam.

Program Eco School melalui kerjasama pihak sekolah bersama WWF-Malaysia dan Green Growth Asia itu beri kesedaran murid terhadap pemeliharaan penyu yang semakin pupus.

Ketua projek Eco School, Sri Theinodhi B. Baboo berkata, pendekatan ini akan memberi kesedaran bagi mengenal pasti masalah alam sekitar dalam komuniti sekolah serta mengenal pasti biodiversiti dan usaha menangani masalah ini.

Menurutnya, Eco School yang dilancarkan sejak November tahun lalu telah mencapai bilangan penyertaan sekolah meningkat hingga hari ini.

"Sebanyak 35 buah sekolah berdaftar aktif mengikuti program-program dilaksanakan dan usaha ini akan diteruskan secara berperingkat.

"Kita telah melantik 12 tenaga pengajar memberi pendekatan untuk isu ini di sekolah dengan memberi tunjuk ajar berdasarkan piawaian yang ditetapkan WWF-Malaysia.

"Antara program yang telah dilaksanakan adalah kajian alam sekitar, projek aquaponik, penanaman hutan mini serta kitar semula secara kreatif oleh sekolah-sekolah yang terlibat," ujarnya.

Sementara itu, guru Sekolah SMKBB, Samundi Iswari berkata, pihak sekolah memainkan peranan penting dalam usaha ini bagi memberi kesedaran murid melahi subjek pembelajaran di sekolah.

"Program yang memberi penekanan kepada murid memberi kesedaran terutama kepada spesies penyu yang semakin pupus ini," katanya.



SAMUNDI (tiga kanan) bergambar bersama murid SMKBB di Pusat Konservasi dan Penerangan Penyus.



PEGAWAI pemeliharaan marin, Nurul Bariyah Babu menunjukkan tempat penetasan penyu kepada murid di Pusat Konservasi dan Penerangan Penyus, Padang Kemunting, Rabu lalu.

BASED ON THE SUCCESS OF THE ECO-SCHOOLS PROGRAMME IMPLEMENTATION IN MELAKA, GGAF WERE ABLE TO EXPAND THE PROGRAMME TO OTHER POTENTIAL LOCATIONS.

THE GREEN GROWTH ASIA FOUNDATION COLLABORATED WITH VARIOUS PARTNERS IN AN EFFORT TO KEEP MOVING FORWARD TOWARDS SUSTAINABLE DEVELOPMENT.

4/16/2018

Expanding the eco-school programme in Malacca - Metro News | The Star Online




Expanding the eco-school programme in Malacca

METRO NEWS

Wednesday, 23 Nov 2016

By Michael Ching

 Md Yunos (seated third from right) with primary and secondary school principals after the briefing on the programme.

Md Yunos (seated third from right) with primary and secondary school principals after the briefing on the programme.

MALACCA: The state government hopes to encourage more schools to participate in the eco-school co-curriculum programme to engage students in a holistic approach in managing and conserving the environment.

The move is part of the government's commitment to further reduce the intensity of carbon emission to 45 percent based on the country's Gross Domestic Product (GDP) by 2030 which came about due to the success of emission reduction to 33 percent in 2013.

State Education, Higher Education, Science and Technology, Green Technology and Innovation committee chairman Datuk Md Yunos Husin said Malacca has always been in the forefront in green governance with the inception of Green Technology Council and Malacca Green Technology Corporation to find various solutions to create sustainability and reduce negative impact on the environment.

"I hope to see this programme grow and reach preschools in order for the pupils to develop proactive involvement to achieve the government's green technology city goal by 2020," he said during a briefing on eco-school co-curriculum programme here on Monday.

Eco-schools were developed during the United Nations (UN) Conference on Environment and Development in 1992 as a response to create preferred global model programmes for environmental education, management, sustainability, and certification at an international level.

A total of 49,000 schools from 64 countries have already participated in the programme.


The state eco-school programme was held in joint collaboration with World Wildlife Fund Malaysia, Green Growth Asia and Malacca Green Technology Corporation.

TAGS / KEYWORDS:

Southern & Eastern Region , Mlkeco211116



(Javascript:void(0))

 Sports & Outdoors (<https://www.loopme.my/live-offers> [feed#category=sports-outdoors](https://www.loopme.my/live-feed#category=sports-outdoors))
(https://www.loopme.my/live-feed#post_type=offers)

Posted 4 weeks ago

Yesterday WWF-Malaysia once again proved that our conservation work goes way beyond the realm of saving wildlife. Working with various partners such as Hang Tuah Jaya Municipal Council, Melaka Green Technology Corporation, Melaka State Education Department and Green Growth Asia Foundation (GGAF), Dato' Dr Dionysius Sharma attended the launch of the Low Carbon Eco-Schools Programme. WWF-Malaysia believes that the impact of this programme is so much larger than reducing the school's carbon footprint because schools have the power to educate the next generation about sustainable resource management and low carbon living. The programme is meaningful and unique as this marks the first of its kind in Malaysia - an effort made possible by the State Education Department and GGAF as well as the state government's passionate EXCO members.

Dato' Dr Dionysius Sharma is presenting a token of appreciation to Datuk Seri Hj. Md Yunos bin Husin. EXCO of Education, Higher Education, Science and Technology, Green Technology and Innovation. Witnessed by Clr Rahmad bin Mariman, Chairman of the Hang Tuah Jaya Municipal Council.

#WWFmy #education #eco #school

Photo: (c) WWF-Malaysia / Sri Themudu @ Melaka

THE GREEN GROWTH ASIA FOUNDATION CONTINUES TO RAISE AWARENESS AMONG THE YOUTH THROUGH VARIOUS PROGRAMMES.



Connecting Students with Special Needs to the Environment

WHEN students with learning disabilities from SMK Bukit Baru Special Education participated in the field trip to the Turtle Information Centre Melaka as part of the Eco-Schools Melaka programme, they went home happy as a clam. PHOTOS: WWF-MALAYSIA

BY WWF-MALAYSIA

“THERE was a child went forth every day, And the first object he looked upon and received with wonder or pity or love or dread, And that object became part of him for the day or a certain part

of the day... or for many years or stretching cycles of years.” In the poem by Walt Whitman, everything a child sees or learns becomes a part of him, which in turn will shape his perceptions on things around him. When students with learning disabilities from SMK Bukit Baru Special Education participated in the field trip to the Turtle Information Centre Melaka as part of the Eco-Schools Melaka pro-



THE success of the programme without a doubt relies on the hard work of the teachers as well. They play an important role to inspire and connect the students with nature and lead their communities towards a sustainable future.

gramme, they went home happy as a clam. “I’m pleased to learn about turtle conservation. Now I can share the knowledge with my family and friends. If I see people eating turtle eggs, I will tell them that turtles are lovely and they need to be protected,” said Fareha Mohd Isa in all honesty. The gleam in her eyes proves that field trip such as this allows her to experience a more holistic learning process. Typical classroom settings are not always the most conducive learning arrangement for students with autism or special needs. Being outdoor allows students to excel in ways they normally do not when learning in a classroom (Cooper, 2012). Outdoor learning encourages students to utilise all their senses, which will lead to increased independence for the students.

The Eco-Schools programme (ESP) encourages outdoor learning as it helps bridge the gap between knowledge and hands-on experience. Before the special needs students participated in the trip to turtle centre, the topic was initially introduced in the classroom. Some had never seen a real turtle, so using their imagination, they were asked to creatively colour and decorate pictures of turtle.

At the centre, as they watched the real life creature in total excitement, WWF-Malaysia’s marine team briefed the students about turtle and our conservation work on the species. The success of the

programme without a doubt relies on the hard work of the teachers as well. They play an important role to inspire and connect the students with nature and lead their communities towards a sustainable future. As the National Operator of the programme, WWF-Malaysia urges all schools including special education schools to adopt the ESP. It combines learning with hands-on experiences, runs according to an all-inclusive, real-life problem solving method involving students of different background and capacity, teachers and the local community at large. The programme advocates young people to engage in their environment by giving them the opportunity to actively solve environmental problem that they are a part of it. It combines both indoor and outdoor education, which begins in the classroom and school compound, eventually expands to the whole school, before fostering changes in the society they live in.

Furthermore, under the Education for Sustainable Development (ESD) by UNESCO, the foundation of the programme itself is “learning by doing” as it aims to empower people to undertake responsibility for creating a sustainable future by utilising the diversity represented by all people – including those who have been or feel marginalised. WWF-Malaysia thanks our partner Green Growth Asia



FAREHA Mohd Isa eagerly recited a poem on turtle during the trip. The gleam in her eyes proves that field trip such as this allows her to experience a more holistic learning process.

for their hard work in getting schools in Melaka to register for the Eco-Schools programme. As we recently celebrated Learning Disabilities Awareness month as well the Malaysian Environmental Week, let us shine a light on connecting students with special needs to nature through outdoor education.

About Eco-Schools Programme
Eco-Schools Programme (ESP) is the largest sustainable schools programme in the world, participated by more than 11 million students from over 60 countries.

WWF-Malaysia has been the National Operator for this programme since 2011. We have more than 170 schools registered with us and 8 Internationally-recognised Green Flag awards have been given out so far. More than 30 silver and bronze awards have also been given to schools that have demonstrated active efforts in sustainability.

****References**

Cooper, G. (2012, Summer 4). Outdoor learning, environment and sustainability. Environmental Education, 100, 28(4).



OUTDOOR learning encourages students to utilise all their senses, which will lead to increased independence for the students.

11

OUR PARTNERS



A POWERFUL NETWORK

GREEN GROWTH ASIA FOUNDATION AS A POWERFUL NETWORK

Green Growth Asia Foundation always strive to promote a new growth strategy that strikes a balance between economic development, social inclusivity and environmental sustainability. In order to achieve the goal, we will actively serve as a conduit for our partners to reach a powerful network of governments, cities, universities, financing institutions, private sector organisations and even communities. This represents an inspiring resource for the development of green growth thinking, strategies, projects and advocacy.

Thus, we are determined to broaden our collaboration with various stakeholders due to the fact that the stakeholder-based approach represents the most effective way to mount a successful response to the increasing sustainability challenges faced by cities and communities. GGAF is actively pursuing opportunities for city and community stakeholders from Asia and around the world to come together and consider the challenges that arise from a range of sustainability themes and importantly the inclusive measures and solutions that are available to them. Therefore, we hope by conducting various environmental projects and collaboration, we are able to raise more awareness and convince the communities especially the young people to embark on a sustainable Lifestyle to protect our planet.



OFFICIAL EVENT FOR PARTNERS ENGAGEMENT

MOU SIGNING CEREMONY BETWEEN UPM AND GGAF



The Green Growth Asia Foundation (GGAF) and Universiti Putra Malaysia (UPM) decided to collaborate by signing the Memorandum of Understanding to declare their respective intentions and to establish a basis of co-operation between the Parties with the terms.

It was signed by the Vice-Chancellor of UPM, Prof. Datin Paduka Dato' Dr Aini Ideris, and Executive Director of Green Growth Asia Foundation, Dato' Dr Dionysius S.K. Sharma. The MOU is focussing especially on research, environmental community projects, industrial training and others through collaboration between both parties.

MOU SIGNING CEREMONY BETWEEN MSU AND GGAF



The Green Growth Asia Foundation (GGAF) and Management & Science University (MSU) decided to collaborate by signing the Memorandum of Understanding to declare their respective intentions to assess and evaluate the possibility of establishing a basis of cooperation between the Parties with the terms.

The MOU document was signed by the President of MSU, Prof Tan Sri Dato' Wira Dr Mohd Shukri Ab. Yajid, and Executive Director of Green Growth Asia Foundation, Dato' Dr Dionysius S.K. Sharma. Among the areas of cooperation between the two parties are; education, training, co-organize on Expertise Exchange, facilitate research programmes and others.

THE PARTNERS

MOU SIGNING CEREMONY BETWEEN MPHTJ AND GGAF



The Green Growth Asia Foundation (GGAF) and Hang Tuah Jaya Municipal Council (MPHTJ) decided to collaborate by signing the Memorandum of Understanding to promote Sustainable Economic Growth, Inclusive Growth, Sustainable Environment and Education for Sustainable Development in the State of Melaka, Malaysia.

The MOU document was signed by the President of MPHTJ, Datuk Shadan Bin Haji Othman and Executive Director of Green Growth Asia Foundation, Dato' Dr Dionysius S.K. Sharma. The areas of cooperation between both parties include establishing programmes that promote a Sustainable Environment, promote a vision for the State of Melaka and others. The collaboration also supports the Low Carbon Cities Framework program in Hang Tuah Jaya City through the implementation of the project called MPHTJ Low Carbon Eco-Schools Carbon Literacy Programme.

MOU SIGNING CEREMONY BETWEEN UNINET, IHS AND GGAF



The Indonesia-Malaysia-Thailand Growth Triangle University Network (UNINET), Institute for Housing and Urban Development Studies (IHS) and Green Growth Asia Foundation (GGAF) decided to collaborate by signing the Memorandum of Understanding to build management capacity in building climate-resilient cities and communities across Asia with a special focus on ASEAN region. In doing so, the Parties will improve the quality of urban planning as well as the delivery of climate action projects and programs by the Governments and private sector partners in Asia.

It was signed by the Chairman of UNINET, Prof. Dr Samsul Rizal, M. Eng, the Director of IHS, C.W. Rooijen and Chief Executive of Green Growth Asia Foundation, Balamurugan Ratha Krishnan. The MOU focuses on joint research activities, developing online courses on sustainable development, internship programmes and others.

THE PARTNERS

MOU AND LOI SIGNING CEREMONY BETWEEN WWF AND GGAF



The Green Growth Asia Foundation (GGAF) and World Wide Fund for Nature (WWF) decided to collaborate by signing the Letter of Intent to establish a basis for future discussions regarding a definitive agreement for the formation of the collaboration. The LOI document was signed by the Conservation Director of WWF, Henry Chan Chok Khuang and Executive Director of Green Growth Asia Foundation, Dato' Dr Dionysius S.K. Sharma.

The key terms also include WWF responsibility to assist GGAF to obtain the necessary approval from the Foundation for Environmental Education to run the Young Reporters for The Environment. Other than that is providing the approval to GGAF to expand the implementation of Eco-Schools and others.

LOI SIGNING CEREMONY BETWEEN THE DATAI LANGKAWI AND GGAF



The Green Growth Asia Foundation (GGAF) and The Datai Langkawi decided to collaborate by signing the Letter of Intent. This is to declare their respective intentions to explore possible point of collaboration that might be in the form of programmes, projects and activities that promote a greater understanding of sustainability issues and the need to promote a green growth model for development and living that ensures economic and social development is undertaken both sustainably and inclusively.

The MOU document was signed by the General Manager for The Datai Pledge of The Datai Langkawi, Mr Arnaud Girodon, and Chief Executive of Green Growth Asia Foundation, Mr Balamurugan Ratha Krishnan. Both parties agree that the initial trust of their collaboration will be directed towards exploring Education for Sustainable Development based initiatives. This reflects both parties recognition, a long-term sustainable development and protection of the environment

GGAF PARTNERS & PROGRAMMES

PARTNERS FOR ECO-SCHOOLS PROGRAMME



PARTNERS FOR YOUNG REPORTERS FOR THE ENVIRONMENT PROGRAMME



PARTNERS FOR BACK 2 NATURE TURTLE CAMP PROGRAMME



PARTNERS FOR CLIMATE READY CLASSROOM PROGRAMME



GGAF PARTNERS & PROGRAMMES



GGAF PARTNERS & PROGRAMMES





CONTACT US

21-2, Jalan DR 1,
Taman Delima,
75150 Bukit Baru, Melaka

contactus@greengrowthasia.org
www.greengrowthasia.org