



Malaysia-UK PACT launch event



Introducing the latest portfolio of projects

11 August 2021

01

Welcome address

02

Malaysia-UK PACT portfolio overview

03

Project introductions by partners and
government beneficiaries

04

Closing remarks

05

Networking session

Agenda

01

Welcoming address

His Excellency Charles Hay MVO,
British High Commissioner to Malaysia

02

Portfolio overview



Khairun Nisa Zabidi,
Malaysia-UK PACT Lead

03



Majlis Bandaraya
Iskandar Puteri
(MBIP)

MYEcoPlan: A low carbon city planning system

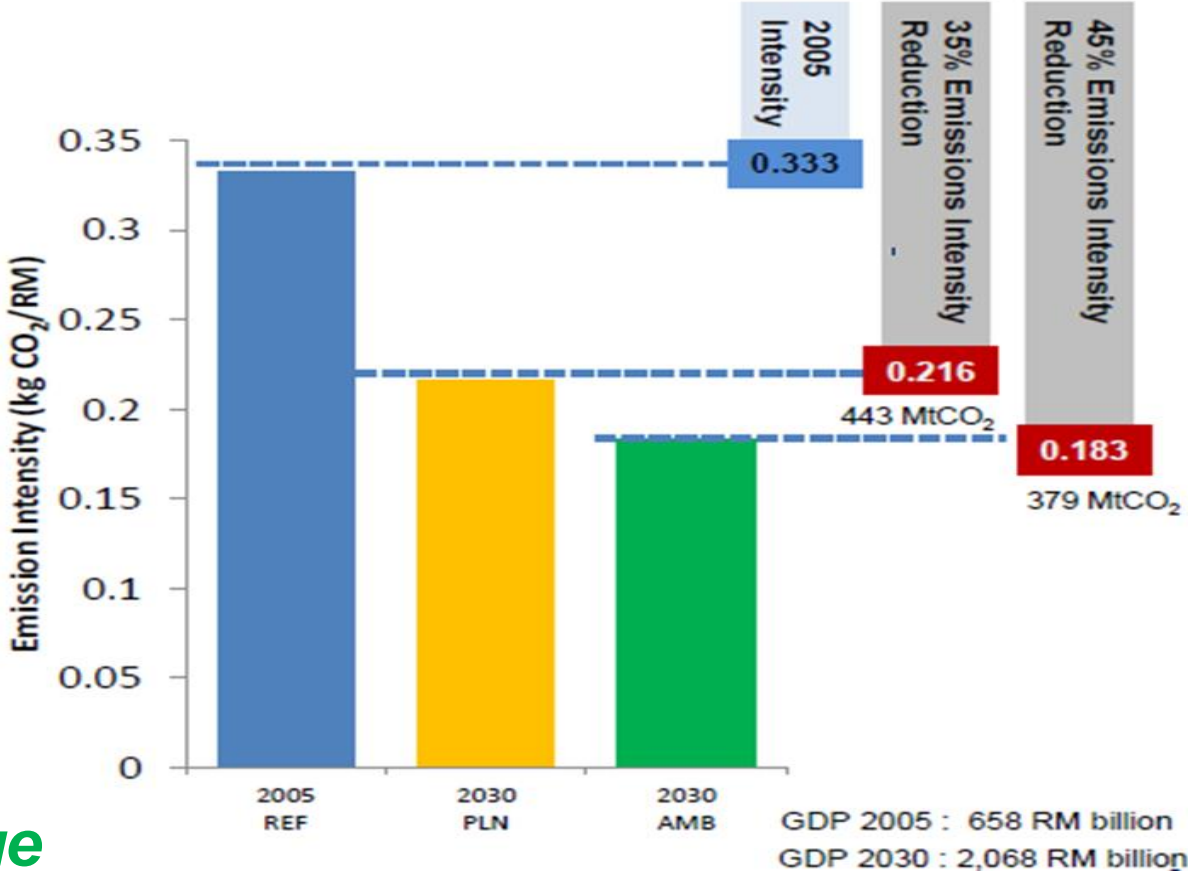
Implementing partners:



INFOSTRIKE



Representative of Malaysia to the UN, signed the Paris Agreement, 22 April 2016



The Paris Agreement on Climate Change

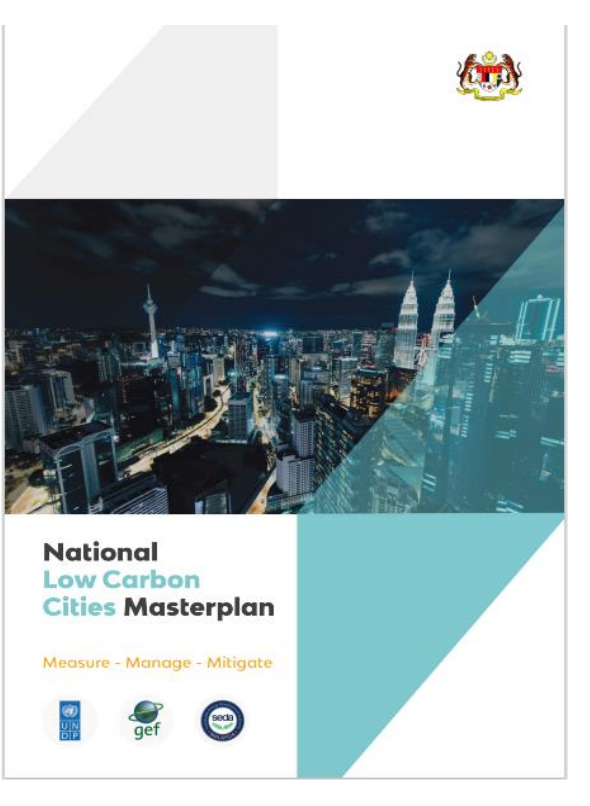
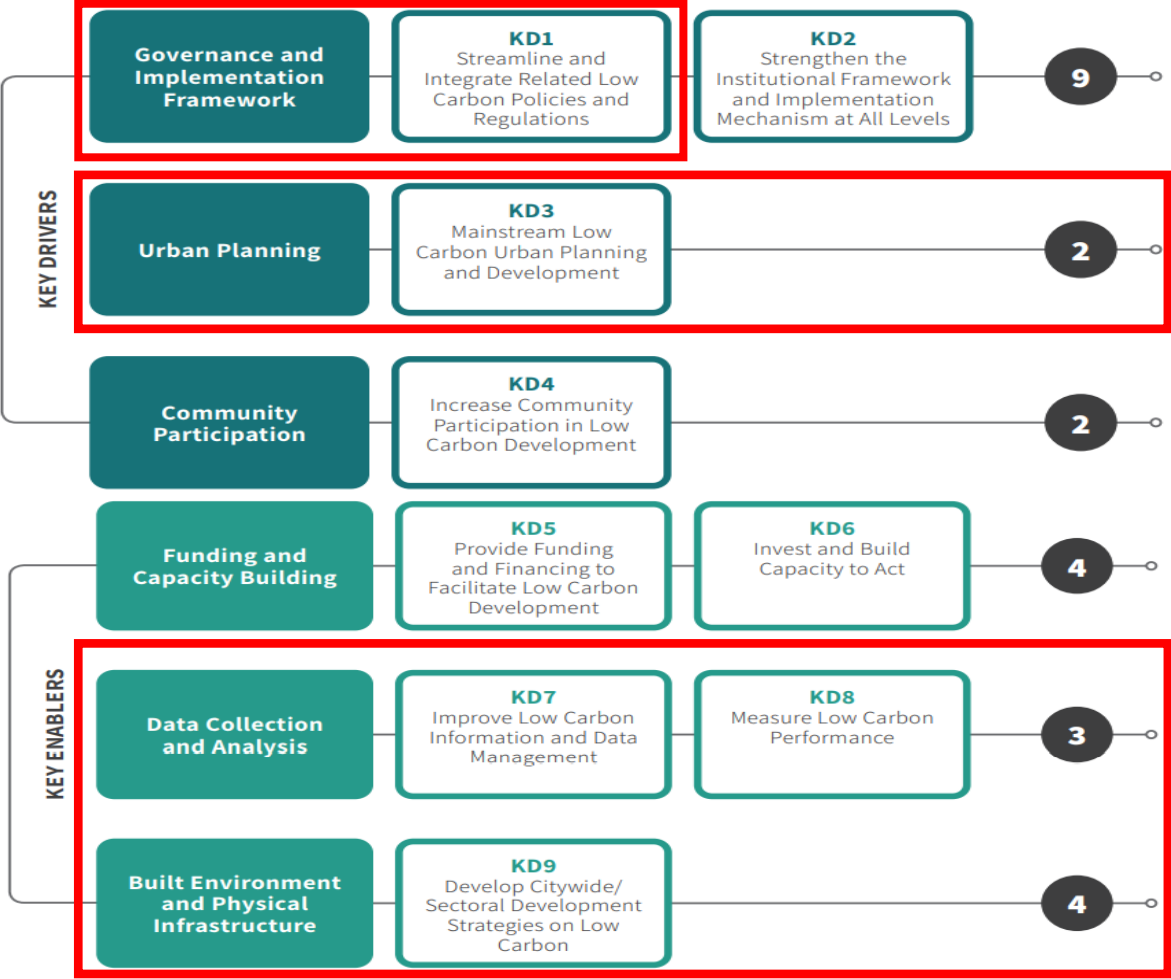
Malaysia is committed to reduce up to 45% Greenhouse Gases Emissions Intensity (GDP) by 2030

“The planning decisions made today will have a major impact on the carbon emissions tomorrow”



In need of a low carbon land use planning system

Relevance to National Low Carbon Cities Masterplan's Action Plan (NLCCM by GTALCC)



NLCCM's Target for Selected Target Cities (Absolute Carbon Reduction Targets)

2021 & 2022

Group 1 cities have developed GHG Inventories that include baseline emissions and established 33% reduction target in absolute GHG emissions by 2030

Group 1

12th Malaysia Plan 2021 - 2025

2040

Group 1 cities achieved 66% reduction in absolute GHG emissions.

Group 3 cities achieved 33% reduction in absolute GHG emissions and declared year of carbon neutrality

Group 1Group 3

15th Malaysia Plan 2036 - 2040

2050

Group 1 cities achieved carbon neutrality

Group 3 cities achieved 66% reduction in absolute GHG emissions and would be carbon neutral by 2060

Group 1Group 3

17th Malaysia Plan 2046 - 2050

Group 1

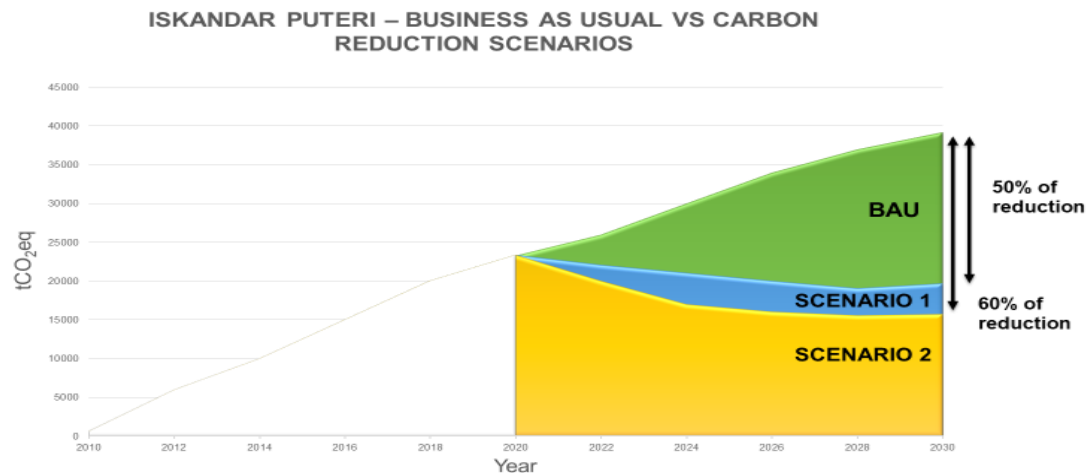
1. Hang Tuah Jaya Municipal Council
2. Iskandar Malaysia
3. Iskandar Puteri City Council
4. Johor Bahru City Council
5. Kuala Lumpur City Hall
6. Kulai Municipal Council
7. Melaka Historic City Council
8. Pasir Gudang City Council
9. Penang Island City Council
10. Petaling Jaya City Council
11. Pontian District Council
12. Putrajaya Corporation
13. Seberang Perai City Council
14. Sepang Municipal Council
15. Shah Alam City Council

Select target cities

MYEcoPlan – project information



Provides a **quantitative planning tool** for Malaysia to **monitor, track and review** their commitment towards reducing GHG emissions or NDC targets



For more information, visit www.ukpact.co.uk

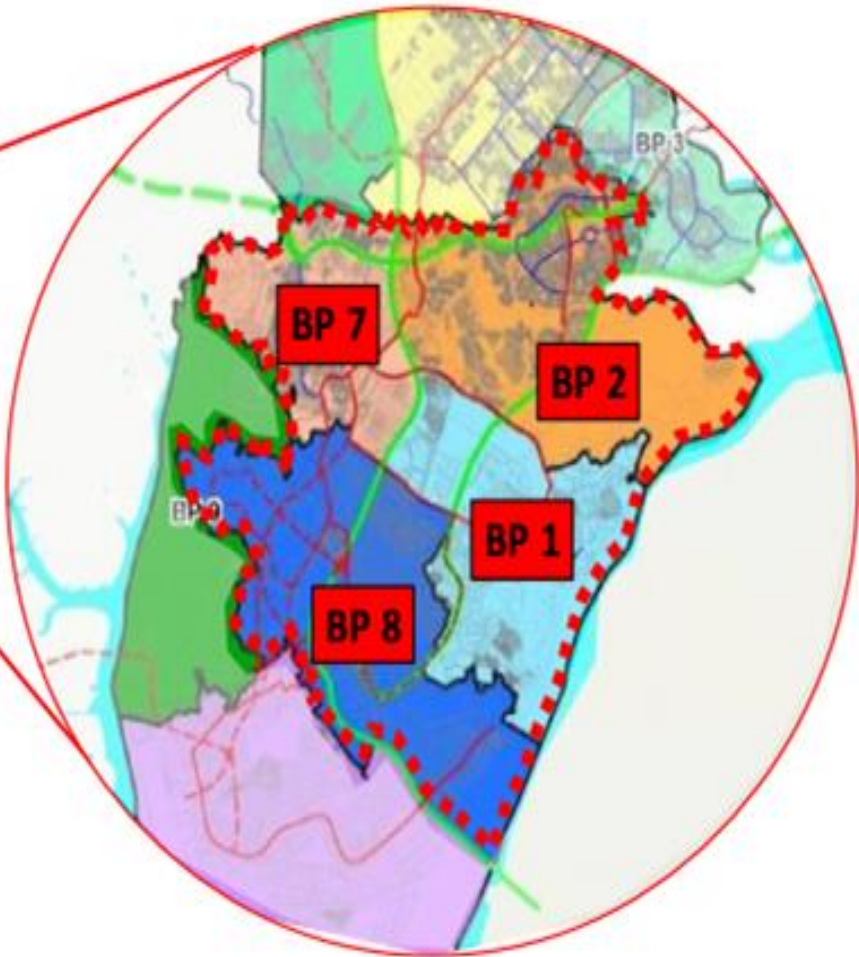


Enable land use planners to assess **carbon reduction potential from the low carbon initiatives** during the land use planning phase



Project proposed location: Nusajaya Township

MYEcoPlan Pilot Location: Nusajaya Township - Mukim Pulau, Johor Bahru



Planning Blok NO.	NAME	AREA (Hectare)
BP 1	PUSAT BANDAR ISKANDAR PUTERI	3,175.37
BP 2	BUKIT INDAH	4,320.68
BP 7	GELANG PATAH	2,267.37
BP 8	GERBANG NUSAJAYA	4,547.63
		14,331.05

Nusajaya township encompasses an area of 14,311 hectare covering **Blok Perancangan** or **planning blocks (BP) 1, 2, 7 and 8** in the **Johor Bahru & Kulai District Local Plan (2025)**.

The Nusajaya township is administered under MBIP which is one of the five local planning authorities under the Iskandar Malaysia region.



Web portal application



Operational dashboard



Mobile-friendly

MYEcoPlan

(System Architecture)



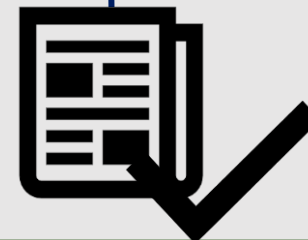
Land use & Carbon
emissions data



MYEcoPlan
geodatabase



Web server



Ready-to-use
content

Hi, Admin



Home

Dashboard

Initiative

About

Contacts

Log out



MYECOPLAN

MYEcoPlan system act as a supporting tool for user to monitor and track performance towards any GHG reduction goals which will eventually lead to the outcome of promoting sustainable and greener land use planning.

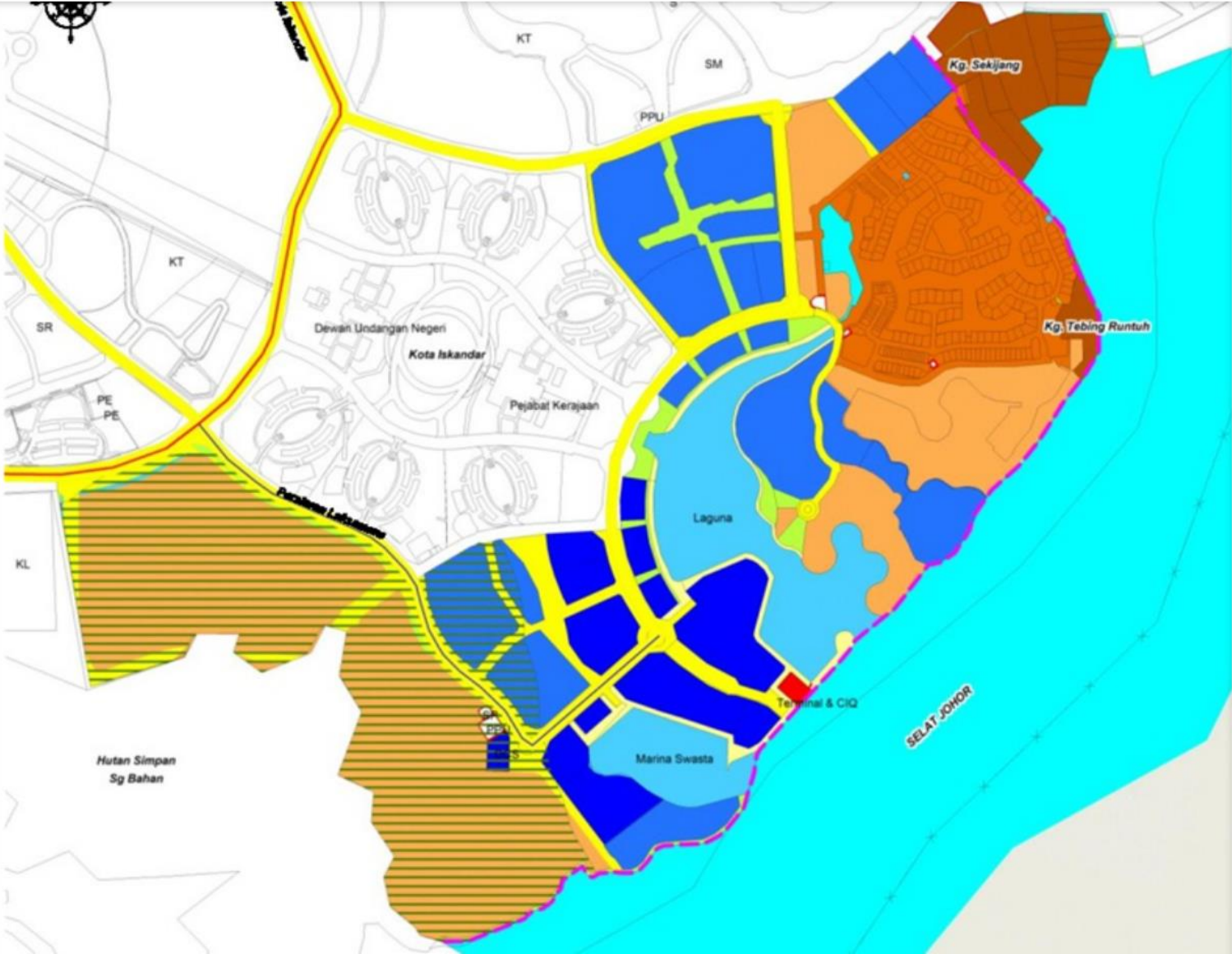
This system basically is an integration between GHG emissions data according to the land use types and produces results in the form of GHG intensity maps according to user modelling of low carbon initiatives or indicators.

Implementing Partners



Supported by

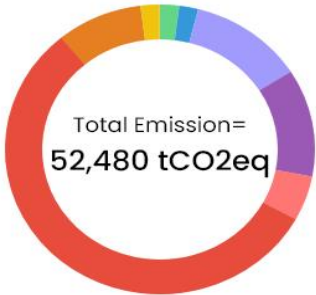




BPK 1.2 2020

GHG Emissions

52,480
tCO₂eq



Total Emission=
52,480 tCO₂eq

- 2% Green Area
- 2% Water
- 12% Residential Building
- 12% Institutional Community Facilities
- 5% Infrastructures & Utilities
- 56% Transportation, Manufacturing & Construction
- 9% Commercials & Service
- 2% Open Recreational Area

Summary of proposed Low Carbon Initiatives (LCI)

1. Building energy efficiency improvement

I. Building energy index

2. Sustainable waste management

II. Food waste composting

3. Development planning

III. Planning density/plot ratio

**Low Carbon
Initiatives by:**

Activity
data

Emission
intensity

4. Integrated public transport

IV. Bus rapid transit

5. Renewable energy use

V. Rooftop solar

6. Afforestation/ Reforestation

VI. Mangrove / tree planting

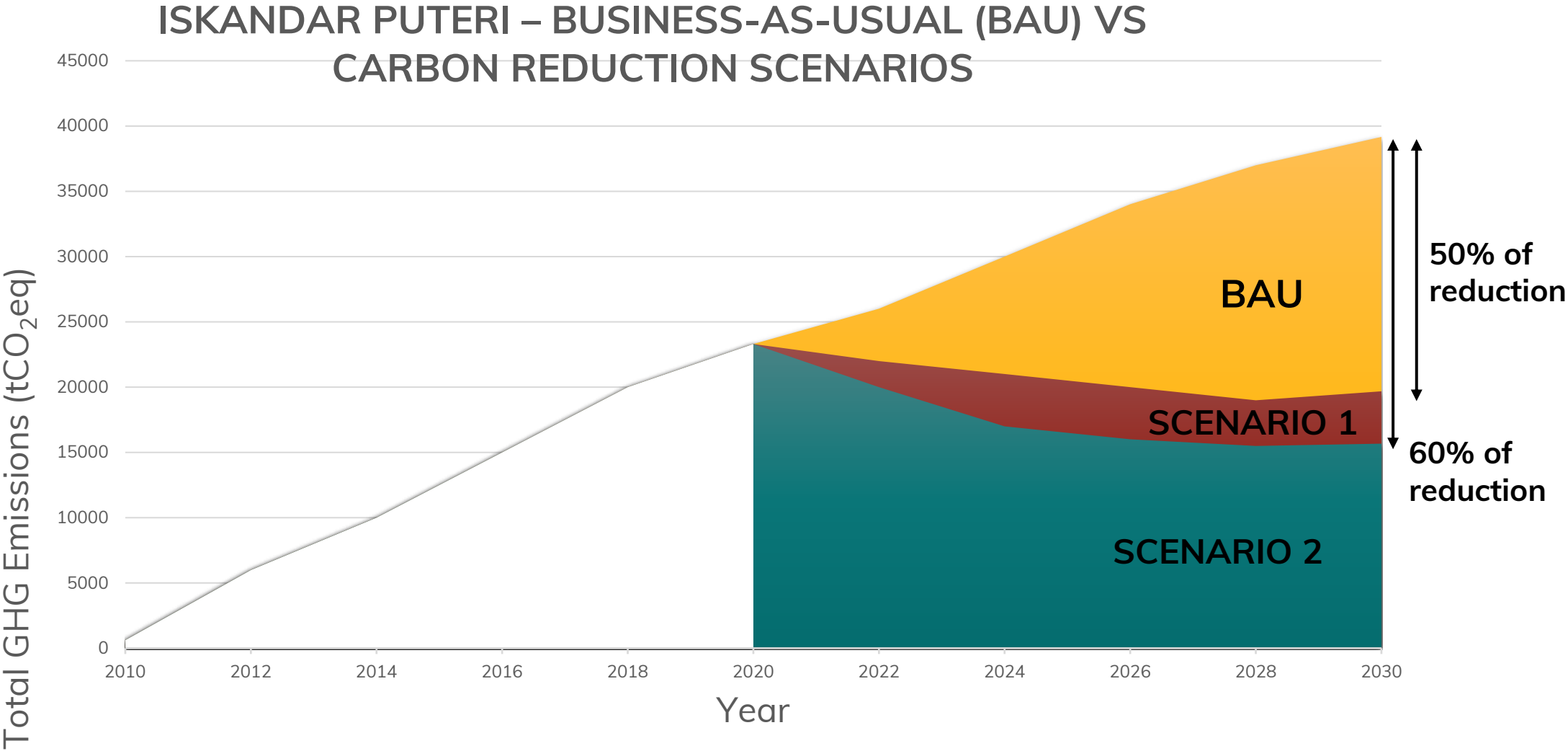
7. Construction

VII. Low Embodied Carbon
Material

8. Adaptive Planning by Demand

VIII. Adjustment by GFA limit

Example of expected output



Hi, Admin <

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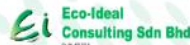


MYECOPLAN

MYEcoPlan system act as a supporting tool for user to monitor and track towards any GHG reduction goals which will eventually lead to the outcome of promoting sustainable and greener land use planning.

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Implementing Partners



Supported by



MYEcoPlan system demo

YBrs. TPr Dr. Alias bin Rameli,

Director of Research and Development Division,

PLANMalaysia

**Dato' Haji Mohd. Haffiz
bin Haji Ahmad,**
Mayor of Iskandar Puteri



**ADDRESS FROM MAYOR OF ISKANDAR PUTERI
IN THE LAUNCHING CEREMONY OF UK PACT FUND
11st August 2021**



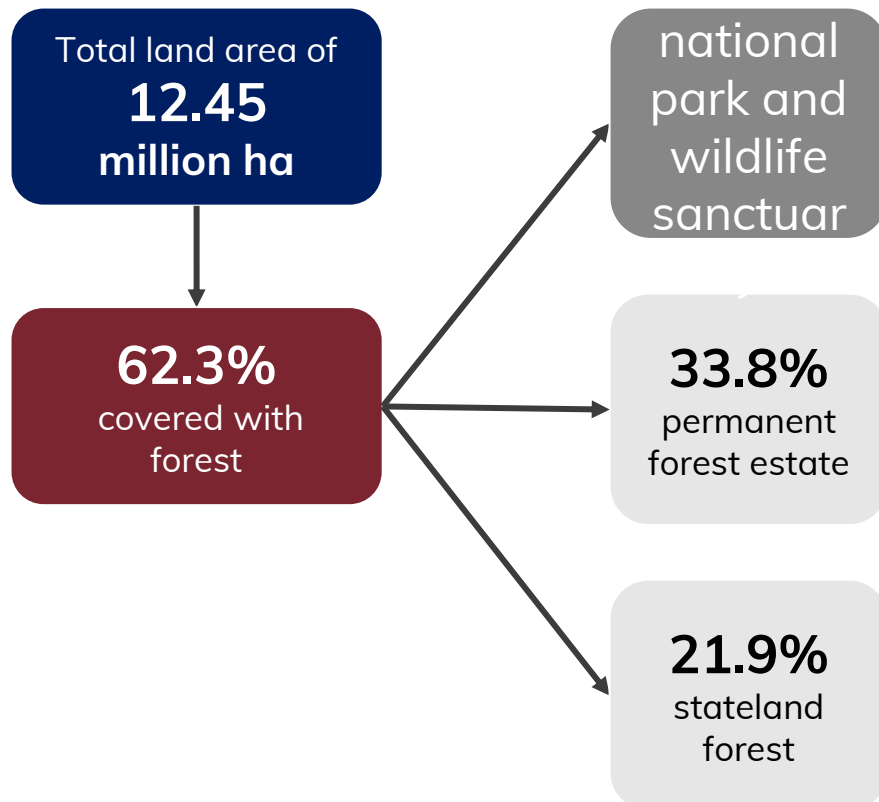
03

Green economy policy for Sarawak



Sarawak intends to develop a Green Economy Policy to identify focus areas of economic policy with positive environmental and social outcomes

Sarawak is the most biodiverse state in Malaysia and has made significant initiatives to protect its forests and promote sustainable forest management



Green economy policy

Requirement

- Sarawak intends to develop a Green Economy Policy that provides the framework on key focus areas, policy targets, strategies benefits the environment and socio-economy



Carbon trading

Requirement

- Sarawak intends to develop carbon credits as a new source of revenue for the state.
- Sarawak can leverage on its resources (forestry, renewable energy) to develop carbon offset projects



We will assist to develop an overarching green economy policy for Sarawak, with a special focus on enabling carbon offsets

1

Green economy policy

Outline policy framework on the Green Economy:

- Study **international experience** in the transition to a green economy
- Identify and **assess green economy policies** adopted by other countries
- **Review existing green economy policies** in Sarawak and also national policies that impact Sarawak
- Identify potential **challenges and opportunities** arising from a green economy policy
- Provide **recommendations for adoption** by Sarawak

Deliverables



Recommendations of suitable **green economy policies** to be adopted by Sarawak

2

Carbon trading

Develop a strategy to enable of carbon trading:

- **Identify requirements** to develop a carbon offset scheme, focusing on forest conservation
- **Identify challenges** or barriers to develop the scheme
- Provide **policy recommendations** to address challenges
- **Review of existing regulations** with regards to carbon emissions
- **Develop strategy roadmap** towards developing carbon offset projects including **key documentation** required



A strategy paper towards implementing a **carbon offset scheme** for Sarawak, covering the policies, regulations, governance and communications

**Dr. Muhammad Abdullah
bin Zaidel,**

Director of Sarawak State Economic Planning Unit

03

Hutanomics: Developing frameworks to enable private sector investments into nature-based climate solutions in Terengganu, Malaysia



Who we are

Rimba, which means 'jungle' in Malay, is a non-profit organization that conducts conservation research to produce evidence-based management recommendations to mitigate threats to wildlife in Peninsular Malaysia.

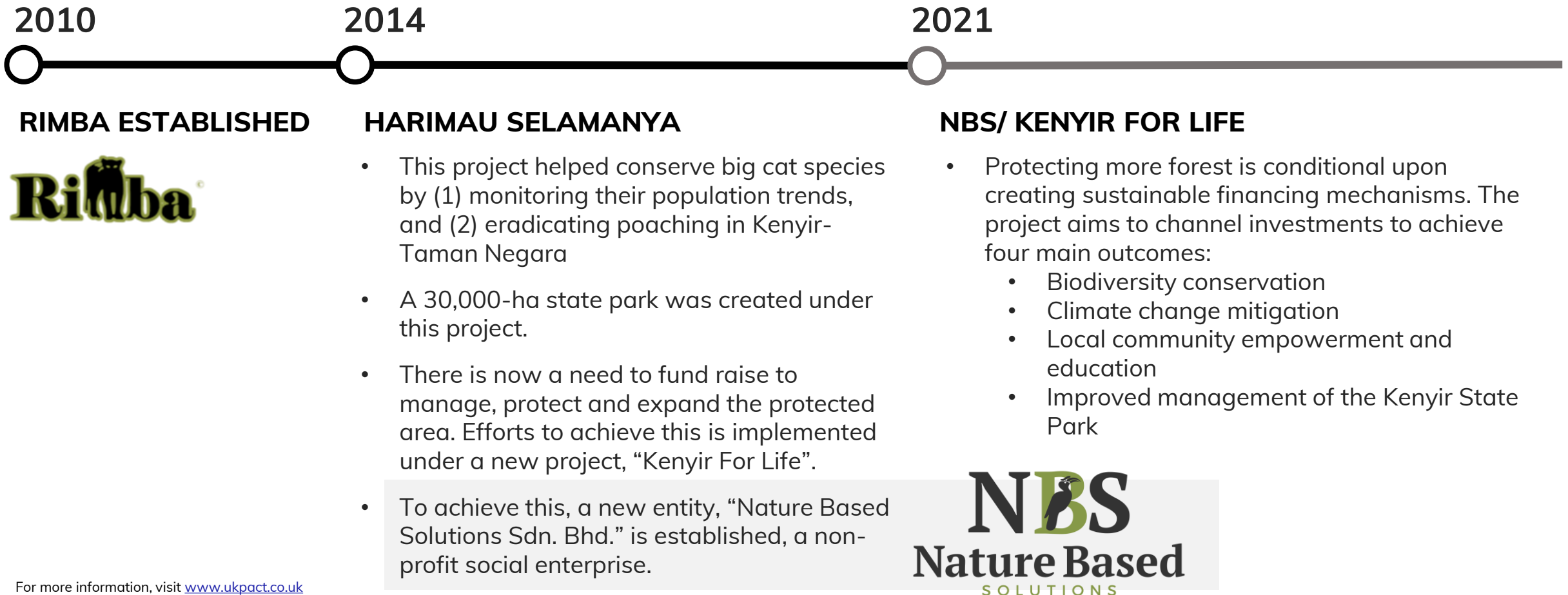
Rimba was founded by a husband-wife team, Dr. Sheema Aziz and Dr. Gopalasamy Reuben Clements in 2010.

Rimba is registered as a Society (ROS: PPM-017-14-30122016) in Kuala Lumpur.



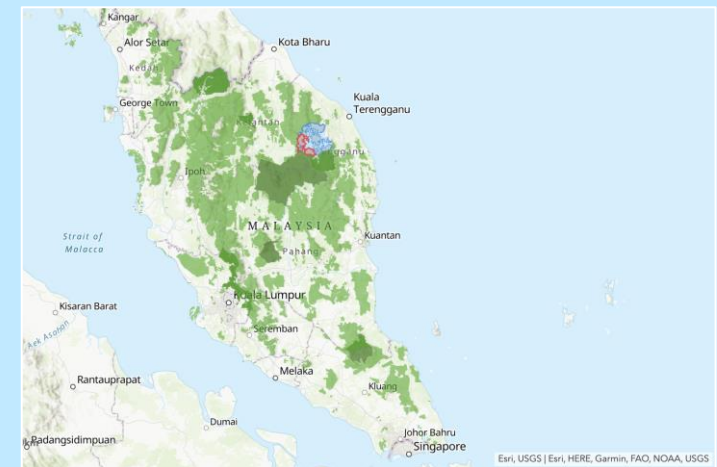
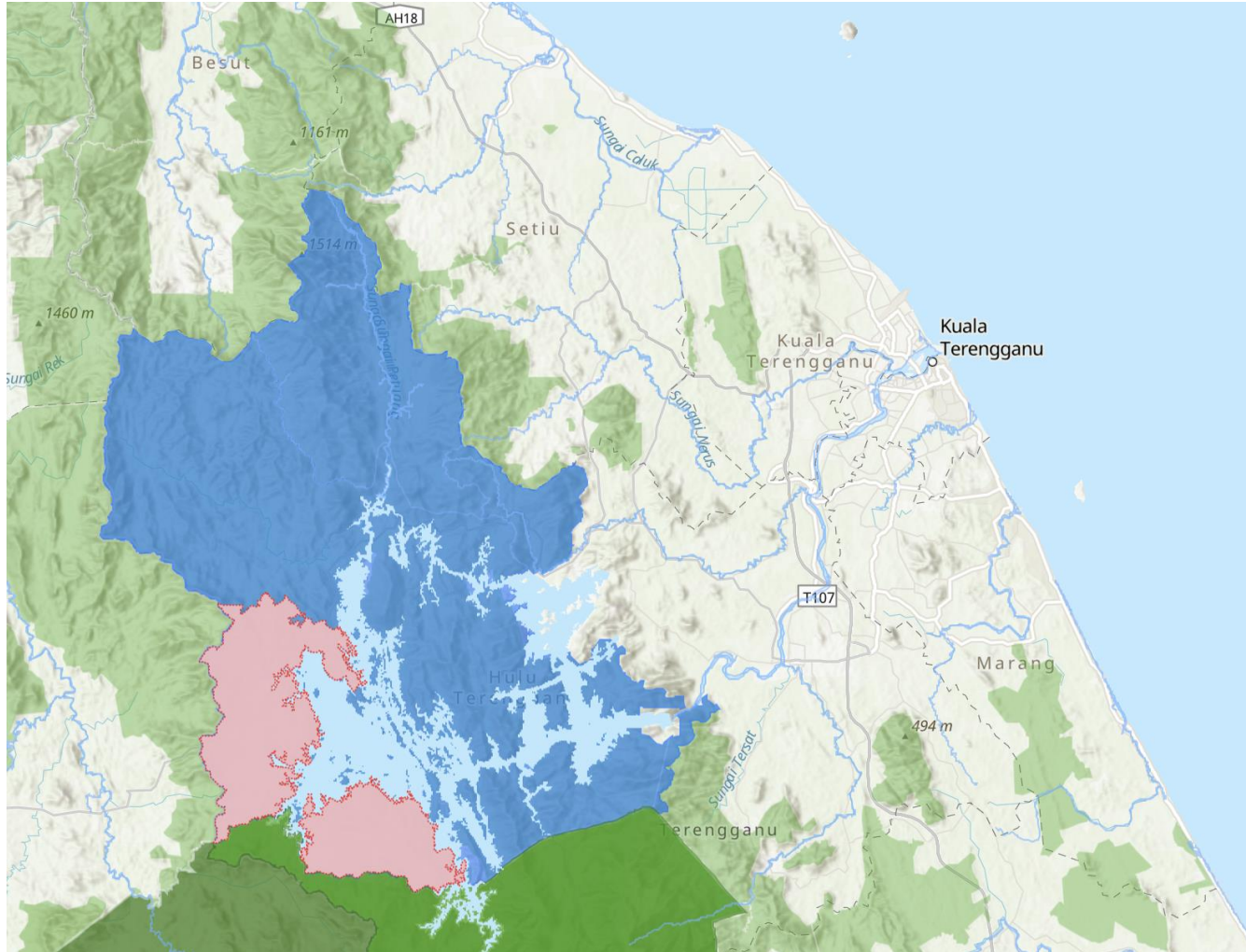
Rimba is incubating a new entity

In 2020, Harimau Selamanya will transition into Kenyir for Life – a new entity set up to channel investments from the private sector into the 100,000 ha Kenyir watershed to create conservation outcomes and help companies meet their ESG/Sustainability commitments.



Kenyir For Life: Recently expanded 200,000-ha Project Area of Interest

In 2021 the Terengganu state government agreed to expand the potential project area to 200,000ha, double the initial size.



Terengganu doubles the size of protected forest in Kenyir State Park to 30,000ha

31 January 2019

“...the next phase in managing Kenyir State Park involves the development of biofinancing schemes to generate revenue from sustainable forest management.”

YAB Dato Seri Dr Ahmad Samsuri Mokhtar,
Terengganu Menteri Besar



Terengganu Green Financing Task force formed

After creating the legislative tool and governance framework for state parks, Terengganu set up a Green Financing Task Force on 07 April 2020 to explore how standing forests can provide alternative revenue.

The initial elected core members of the Task Force:

1. State Finance Officer – Chairman
2. Deputy State Finance Officer – Deputy Chairman
3. Assistant to State Finance Officer – Task Force Secretary
4. Director of State Land & Minerals Department
5. Director of State Economic Planning Unit, Terengganu
6. Director of State Forestry Department
7. General Manager of KETENGAH (Lembaga Kemajuan Terengganu Tengah)
8. Director of State Park Management Council
9. Universiti Sultan Zainal Abidin (UNISZA)
10. Universiti Malaysia Terengganu (UMT)
11. Sunway University
- 12. Rimba**



فيجاية فريندهار أن نكوي ترغكانو

PEJABAT PERBENDAHARAAN NEGERI TERENGGANU

Tingkat 3 & 4, Wisma Darul Iman,
20592 Kuala Terengganu,
Terengganu.

Telefon : 09-623 1957
Faks : 09-623 7949 (Perb. Tr)
: 09-626 7948 (Bend. Tr)
E-mel : perbendaharaan@terengganu.gov.my

PERB.TR. U/07/N/108/1 (9)
7 April 2020
13 Sya'ban 1441H

Senarai sebagaimana
LAMPIRAN A

YM. Tengku/ tuan/ puan,

PELANTIKAN SEBAGAI AHLI PASUKAN KHAS KAJIAN PEMBIAYAAN HIJAU
(GREEN FINANCING) NEGERI TERENGGANU BAGI TAHUN 2020

Dengan segala hormatnya saya merujuk kepada perkara di atas dalam surat Yang
Berhormat Setiausaha Kerajaan Terengganu MPTN.TR.100-6/2/4 (6) bertarikh 18
November 2019 adalah berkaitan.

Channeling private sector fund to support forest conservation

Developing frameworks to channel Environmental, Social and Governance (ESG) investments to achieve sustainability outcomes in the 200,000 ha Kenyir Watershed.



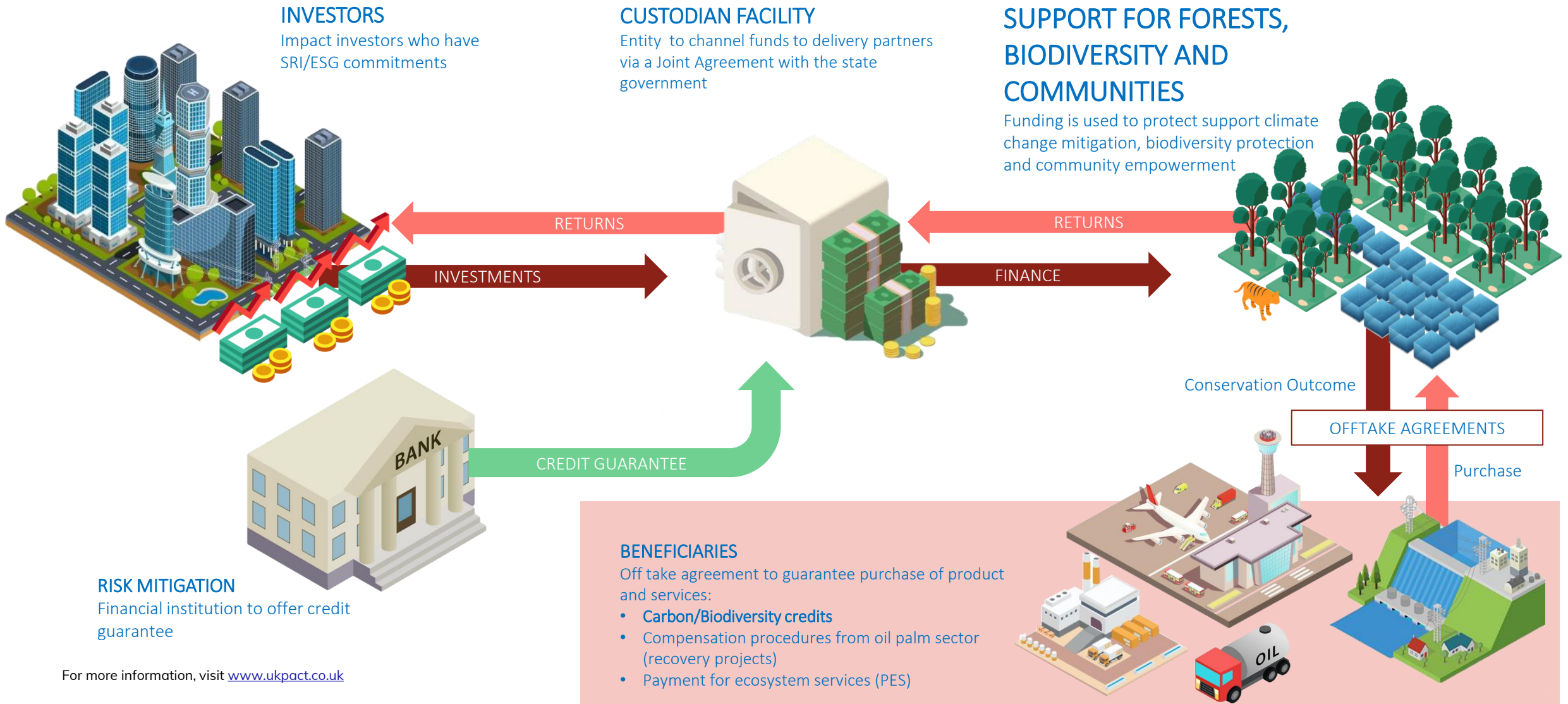
Kenyir For Life

Sustainability outcomes

1. Biodiversity conservation
2. Climate change mitigation
3. Local community empowerment & education
4. State park management

Exploring potential Green Financing Structures

Rimba is working on develop project structures to allow long term financing that would safeguard Kenyir



UK PACT: Enabling nature-based solutions in Terengganu

Rimba has successfully secured UK PACT funding to support the State of Terengganu towards a low carbon transition.

Hutanomics

“Hutanomics” is a UK PACT funded project aimed Developing frameworks to enable private sector investments into nature-based climate solutions in Terengganu, Malaysia.

Project implementing partners:



Project beneficiaries:



Terengganu state government

Green Financing Task Force

Chair: State Economic Planning Unit

Role: Convene government and private sector stakeholders to explore green financing opportunities

1

Problem:

There is a growing interest from the private sector to invest in Nature Based Solutions projects to reduce their climate and environmental footprints primarily through carbon offsets. However, Forests and their biodiversity in Malaysia are under-protected and under-funded.

2

Constraints:

Unclear guidelines around additionality from reduced GHG emissions for potential NBS projects.

Lack of a clear framework that could enable projects and secure investments.

Natural capital evaluation and the potential of NBS projects within existing land management plans.

Lack of viable business case that captures the best interest of the State and reduces GHG emissions from forest assets.

3

UKPACT project output:**Stakeholder engagement:**

Convene stakeholder from government and private sector

Information sharing and capacity building with state government

Assessment of REDD+ integration

Technical assessments:

GHG assessment of Baseline and NBS project scenario for reduced emissions

Feasibility assessments, develop business cases and project structures.

Application:

Develop roadmap for the institutionalization of NBS project creation

Implementation of outputs on an identified pilot project area

4

Project outcomes:

Recommendations implemented for reduced carbon emissions

Climate related networks implement the identified activities/ project

Finances invested in support of reduced carbon emission

5

Impact:

Reduced emissions through the implementation of an NBS reduced GHG project.

03

Harnessing green finance through climate-related risk management and opportunities in Malaysia

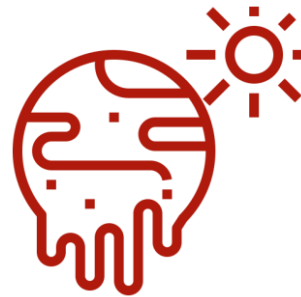


Finance is the heart of our economy that shapes and impacts our natural ecosystem and climate



RM 3 tril

Banking asset in
Malaysia



11.7%

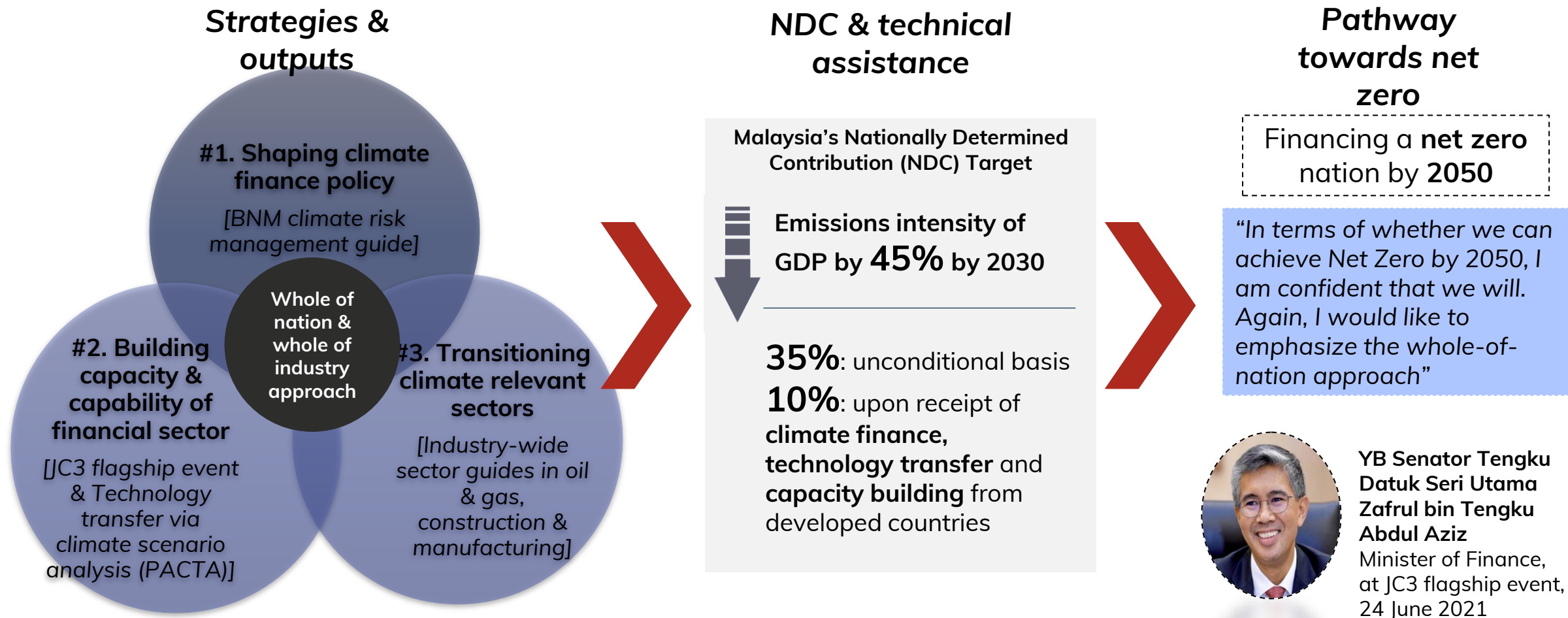
Financial institutions' asset
exposure to climate change



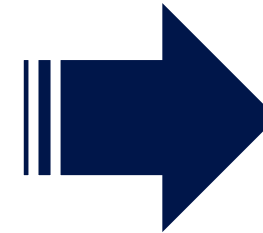
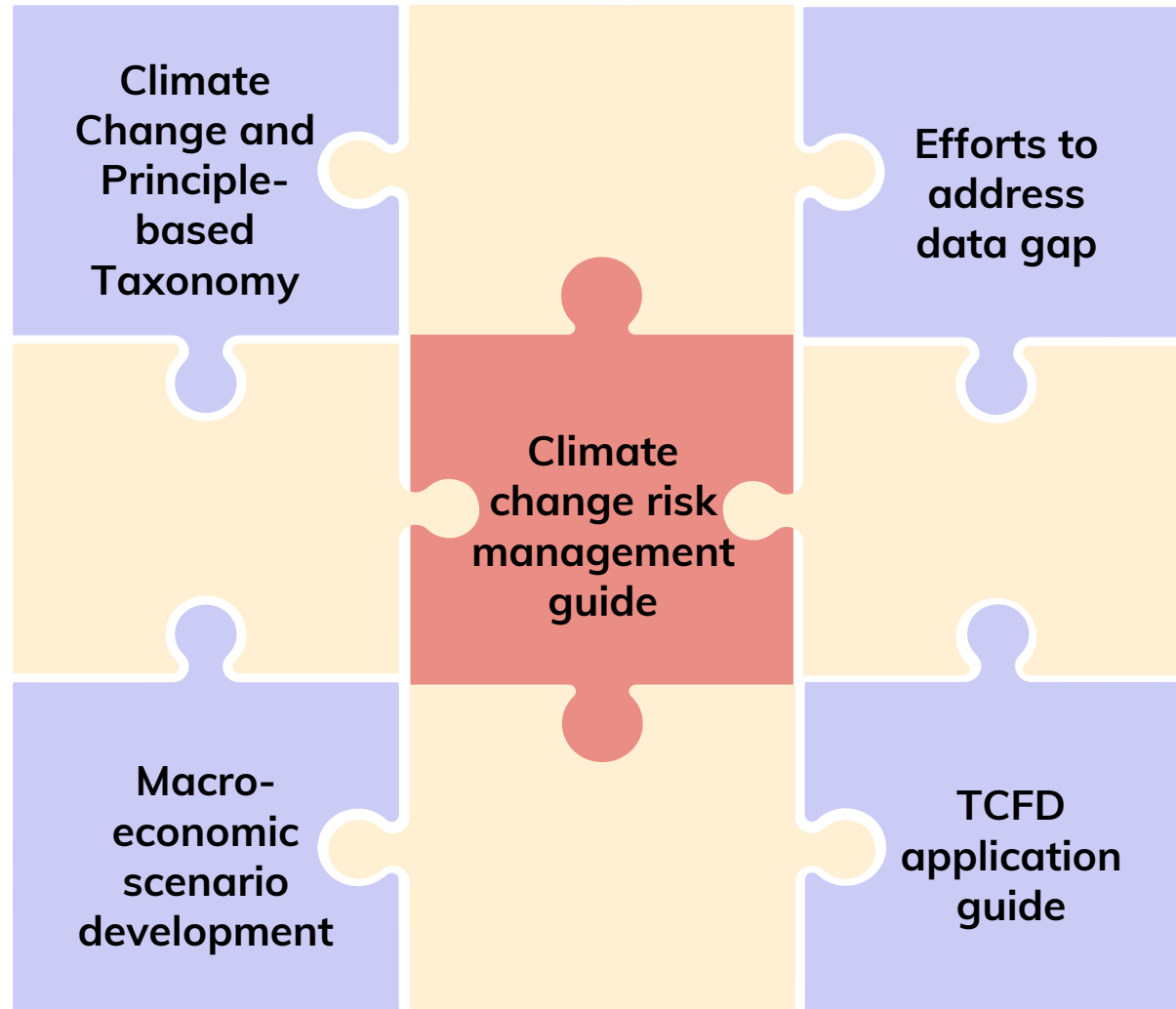
41%

ESG integration of 6
major banks in
Malaysia*

Accelerating Malaysia's NDC to Paris Agreement and pathway towards net zero by 2050 with three “whole-of-nation & whole-of-industry” strategies



Strategy 1: Shaping climate finance policy through BNM's climate change risk management guide for the financial industry



Strengthen the **integration of climate-related risks and opportunities** into policies, decision-making processes and financial product innovations

Strategy 2: Enhancing capability of financial sector in climate action through industry wide capacity building

WWF and 2DII presented in 3 sessions at the JC3 flagship conference 2021 on 23 June 2021



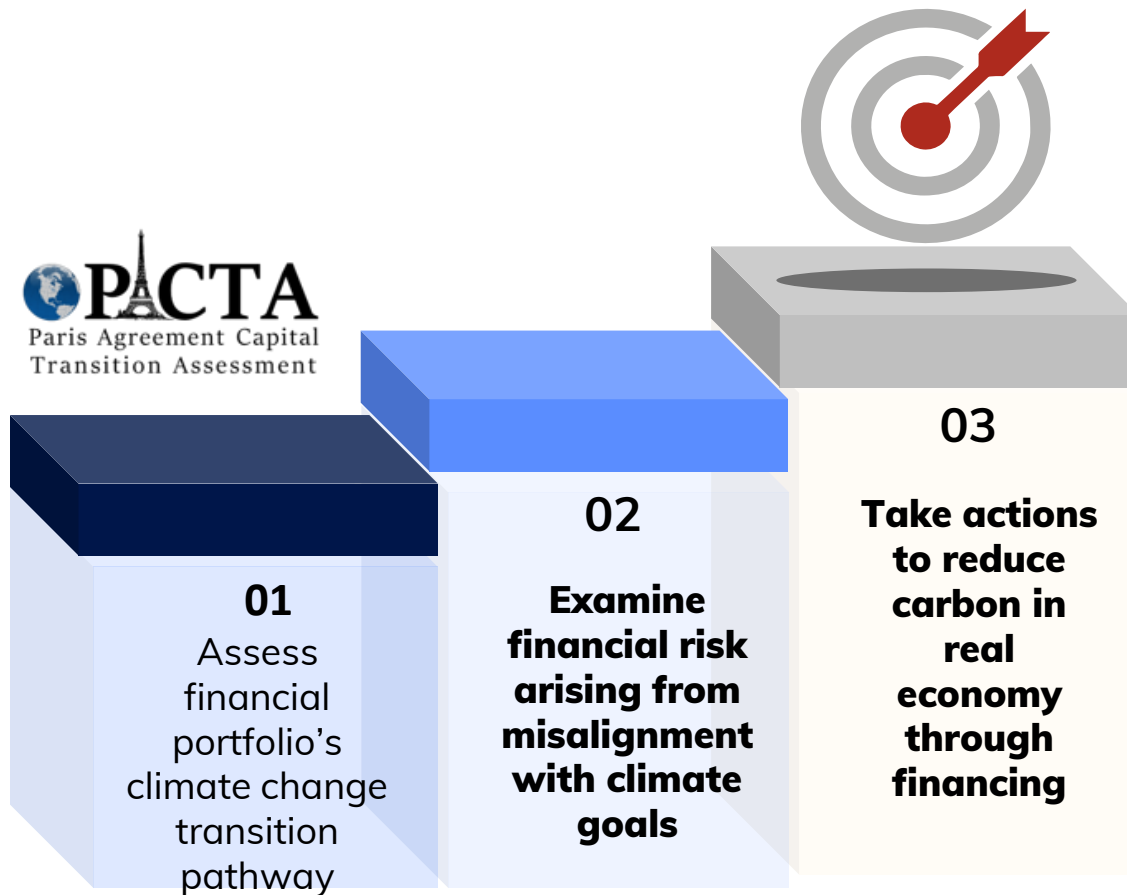
Industry-level session to enhance the knowledge and skill of financial institutions on climate risk and opportunities

Increased capacity of financial institutions to assess impact of climate related risks and opportunities on businesses, strategy and financial planning

<https://jc3conference.msfi.com.my/>

<https://www.sc.com.my/api/documentms/download.ashx?id=05f6a76b-f650-47f9-b9d8-cd326090b6c5>

Strategy 2: Enhancing capability of banks through technology transfer of climate scenario analysis tool [Paris Agreement Capital Transition Assessment (PACTA)]



PACTA is used by over 1,500 financial institutions with over USD 106 trillion in total Asset under Management (AuM) and financial regulatory authorities

Strategy 3: Enable transitioning of climate relevant sectors through financial industry wide sectoral guides

79.82%

Energy sector
emission intensity
in Malaysia

6.38%

Industrial processes
and product use
(IPPU) emission
intensity in Malaysia

We are developing financial industry
wide sectoral guides in key sectors



Oil & Gas



Construction



Manufacturing

Collaboration via Cross-Sectoral Working Group Institutions

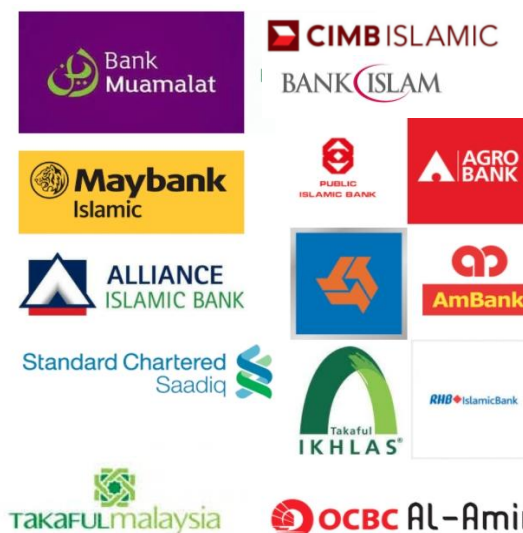
Policy, regulatory and governmental agencies



International bodies



Financial Institutions



Industry associations



Corporations



Our Malaysia-UK PACT project is a catalyst for greater and greener transformation of the whole financial sector



03

Sabah renewable energy rural electrification roadmap



SABAH RENEWABLE ENERGY RURAL ELECTRIFICATION ROADMAP



www.sabahre2roadmap.org

In this decisive decade for climate commitments and action,

Sabah pivots towards the future with renewable energy and distributed generation.

Energy access for our rural communities will transform livelihoods and wellbeing,

and shift power dynamics towards more equitable and diversified low carbon local economies.



Sabah is a state small enough to pivot and large enough to move the regional needle.

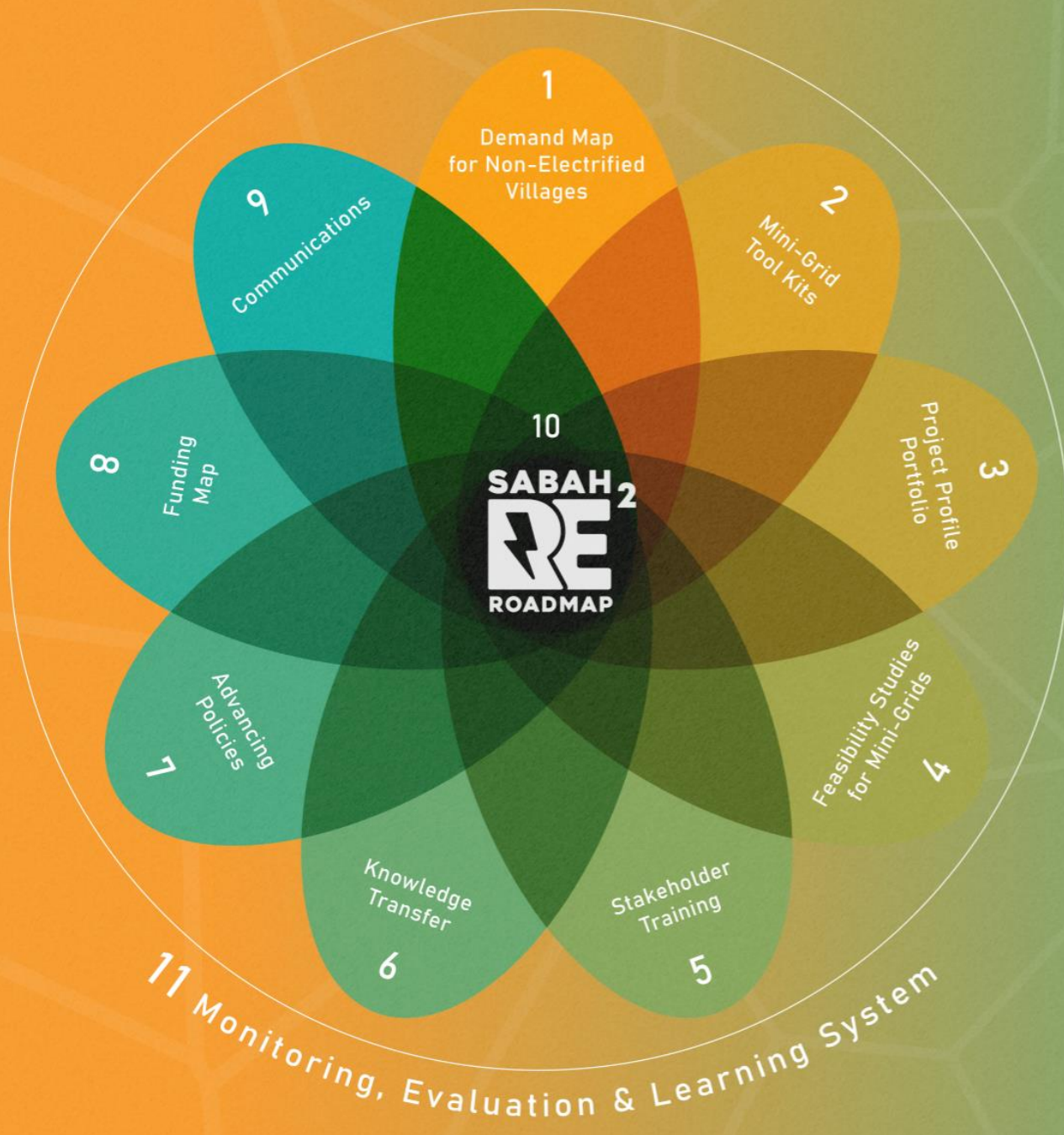
With progressive policies on Sustainable Forest Management and achieving 100% Certified Sustainable Palm Oil, advancing energy policies and practices can take us to a tipping point.





Find address or place





INTERMEDIATE OUTCOMES (2022)

Rural Electrification with Renewables Road Map adopted by stakeholders

Strengthened societal & political will

Relationships & capacities built for implementation

OUTCOMES 2022-2027: IMPLEMENTATION

Address at least half of Sabah's unmet electrification need through renewable sources connecting climate change mitigation with energy justice, local economies and catchment stewardship.



04

Closing remarks

Leila Pourarkin,
*Deputy Director of UK
International Climate Finance*



05

**Networking
session**



Networking session



We will shortly be opening the breakout rooms. Please select the room you would like to attend.

Low carbon planning



Monitoring carbon stocks and flows at a sub-national level towards getting to net zero.

Attendees:

- PLANMalaysia
- Iskandar Puteri
- Sarawak State Economic Planning Unit
- Terengganu State Government

Energy



Balancing the energy poverty gap through leapfrogging the centralised electrification paradigm – challenges and opportunities.

Attendees:

- Sabah State Economic Planning Unit
- Sabah State Ministry of Rural Development
- Sabah Electricity Sdn. Bhd.

Green finance



Incorporating transition risks into corporate portfolios – will that be enough?

Attendees:

- Bank Negara Malaysia (National Bank)
- Joint Committee on Climate Change



**THANK
YOU**



Stay in touch:



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malaysia@ukpact.co.uk