

Keynote Presentation

**By YB Datuk Ayub Rahmat
Johor State Executive Council For
Health And Environment**

**Low Carbon Asia Research Network
(LoCARNet)
5th Annual Meeting**



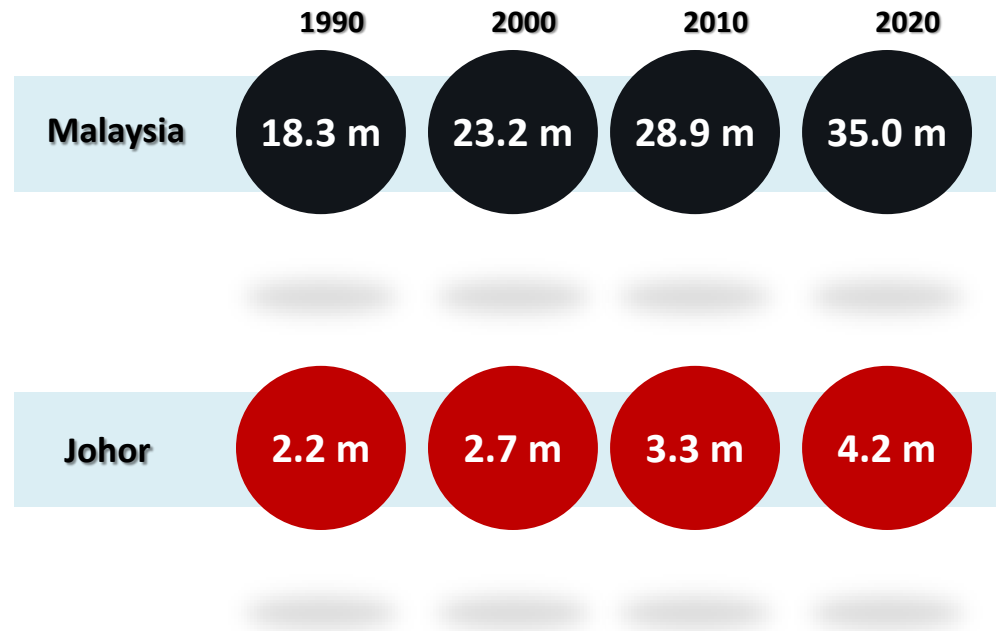
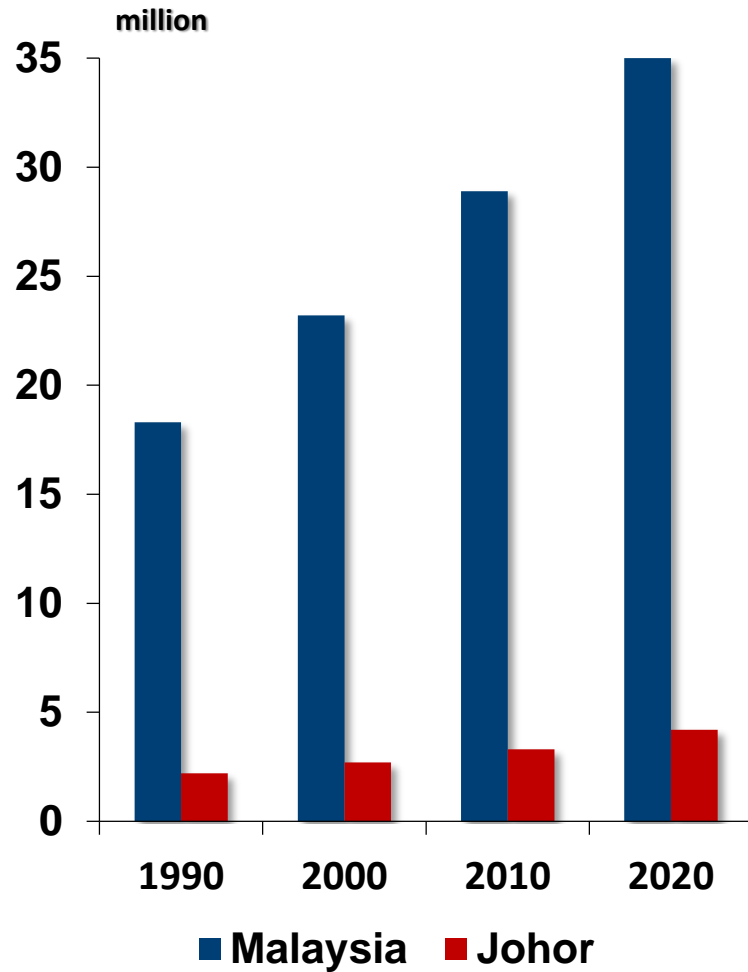
International Conference of Low Carbon Asia

Low Carbon Asia Research Network (LoCARNet) 4th Annual Meeting

11-13th October 2015



Population of Johor & Malaysia



Johor's Economic Growth

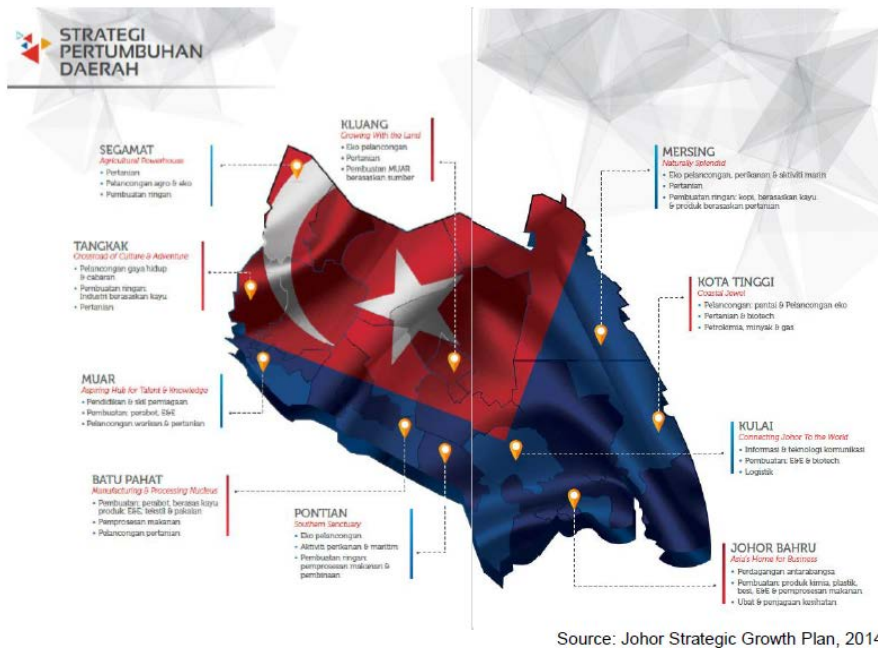
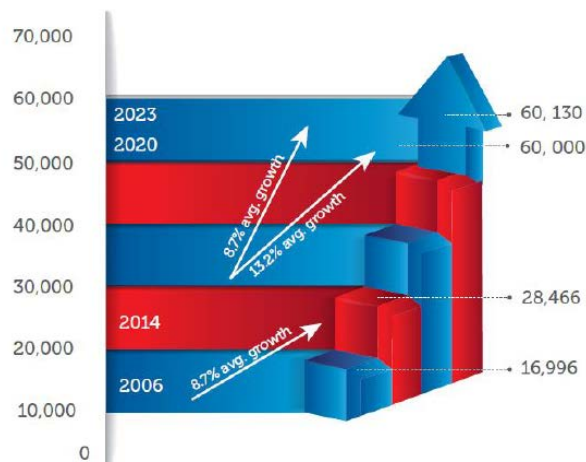


Figure 2-4: Johor Development Clusters Strategy

Johor per Capita Targets by 2020 and 2023



Johor's Key Development

2 out of 5 Economic Corridors in Malaysia



Pengerang Integrated Petroleum Complex (PIPC)



- 21,000 acres
- Project RAPID PETRONAS
- DIALOG-Vopak Deepwater Petroleum Terminal
- Refinery
- Petrochemical Plants

2020 GNI
RM18.3
Billion

New Jobs
8,600

Private
Investment
RM69 Billion

Public
Investment
RM1.7 Billion

Johor's Key Development



Port of Tanjung Pelepas (PTP)



Tanjung Langsat Port

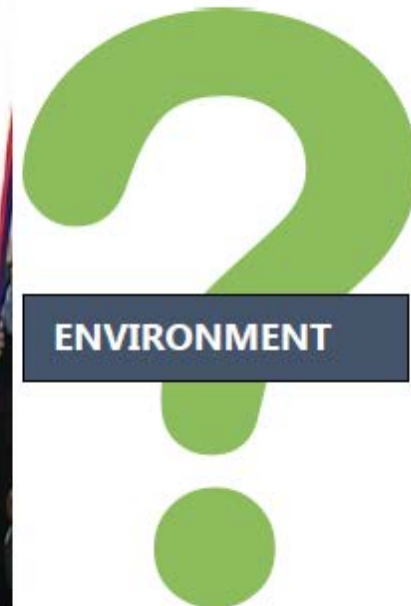


Tourism Sector



Mixed Development

Johor Sustainable Policy

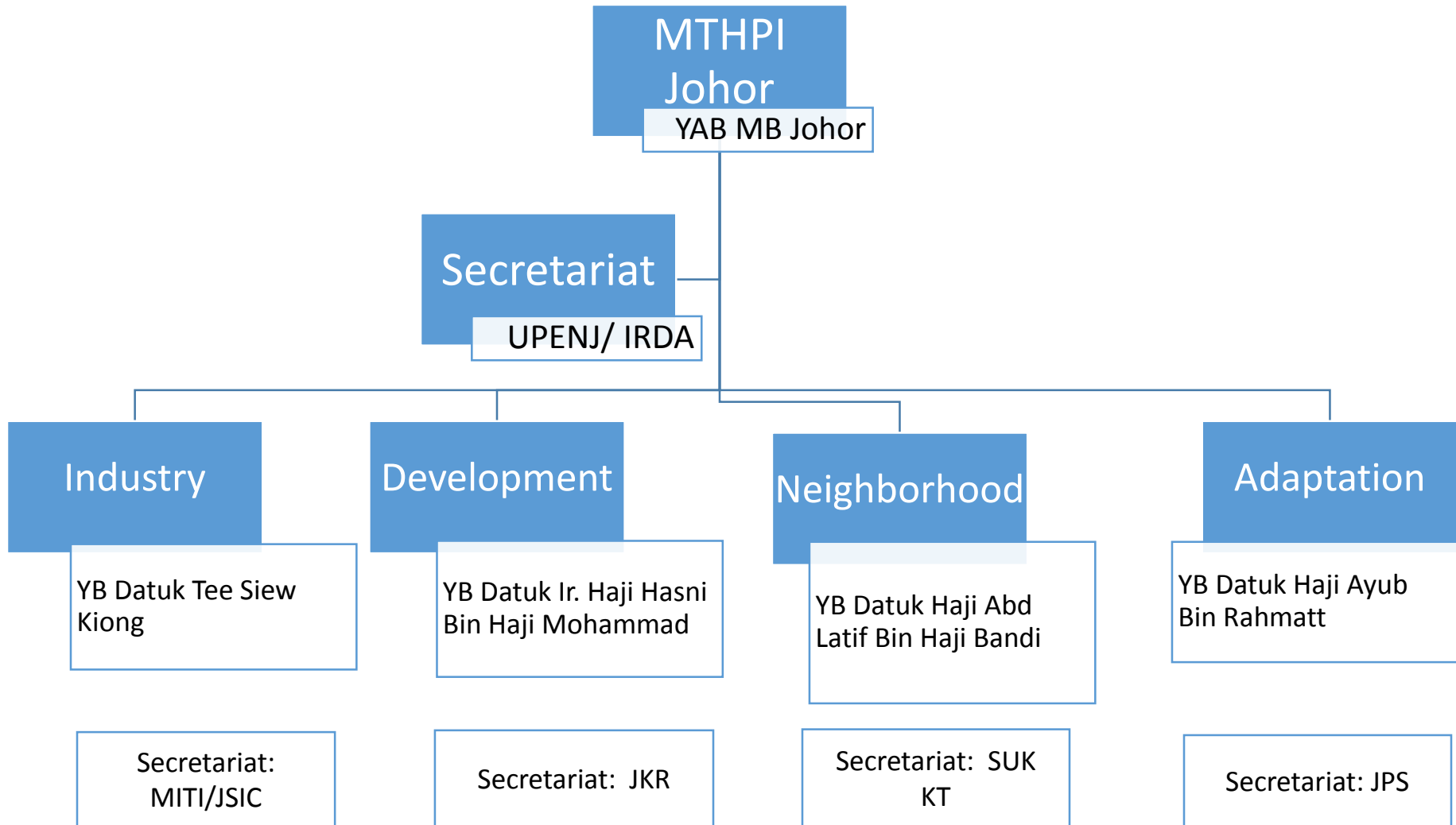


Key Strategic Plans and Strategies of Johor

"Inclusive, Sustainable and for the Wellbeing of Johor"



Green Technology and Climate Change Council (MTHPI)



Johor Sustainability Policy



Dasar Kelestarian Negeri Johor

Draft Final Report

September 2016

Johor is committed in conserving and protecting its natural assets, controlling pollution and boosting low carbon growth while ensuring economic development and people's welfare are in parallel towards a sustainable development.

1

Johor have fully safeguarded its natural heritages.

2

Johor have made it cities livable, safe and resilient

3

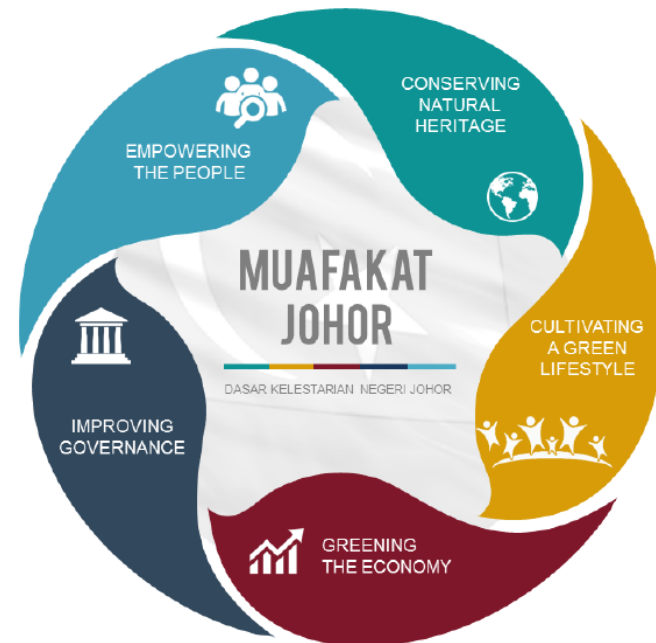
Johor have transitioned to a low carbon economy

4

Johor have deployed effective governance across all levels.

5

Johor have empowered and harness the commitments of all stakeholders



The five thrusts of Johor Sustainability Policy in compliance with the principle of Mufakaat Johor

Development of a Low Carbon Iskandar Malaysia



Malaysia's Commitment on climate: COP15 Copenhagen (17 Dec 2009)

YAB Datuk Seri Najib Tun Razak, Prime Minister: “voluntary reduction **up-to-40%** in terms of emission intensity of GDP by the year 2020 compared to 2005 levels”.

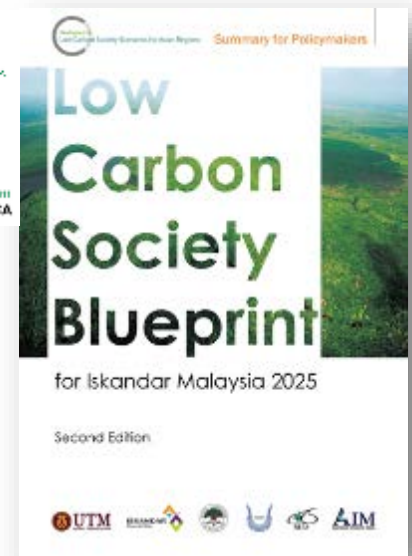
COP 21 Paris - Reduction up to **45% in terms of emission intensity of GDP** by 2030 compared to 2005 levels.

Low Carbon Society Blueprint for Iskandar Malaysia 2025 – 1st global launching at COP18 (Doha, 2012)

COP19 Warsaw (Nov 2013) - LCSBPIM Roadmap & Book “Actions for a Low Carbon Future” (programme implementation)

COP20 Lima (Nov 2014) - Low Carbon Society Brochures for 5 Local Authorities in Iskandar Malaysia

COP21 Paris (Nov 2015) - Low Carbon Society Action Plan 2025 for 5 Local Authorities in Iskandar Malaysia



*UNFCC, COP= United Nations Framework Convention on Climate Change (UNFCCC), Conference of the Parties

Projected Greenhouse Gas Emission Reduction in Iskandar Malaysia

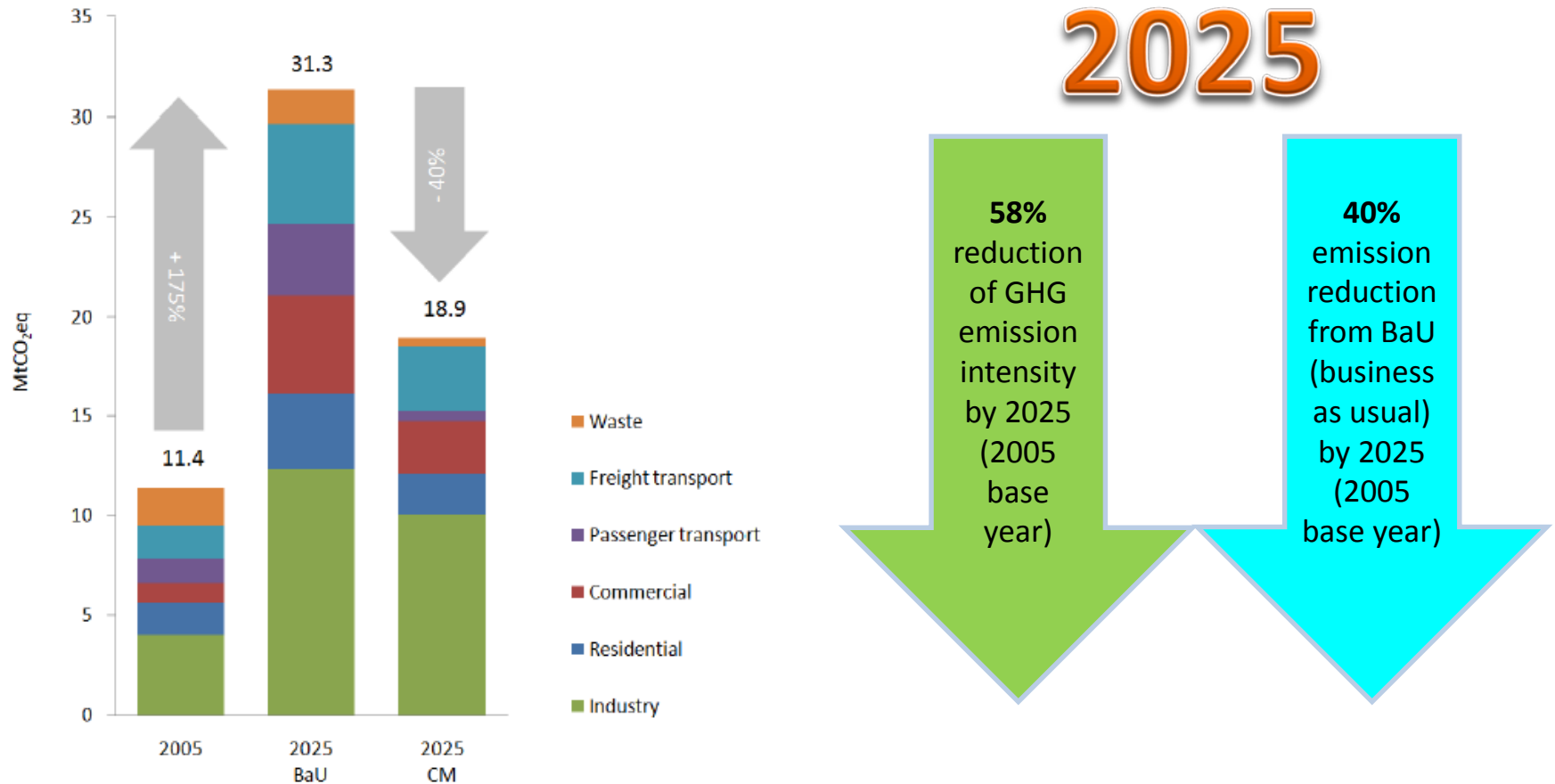
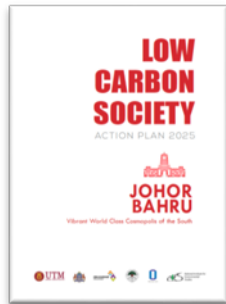


Figure 1: GHG emissions by sectors

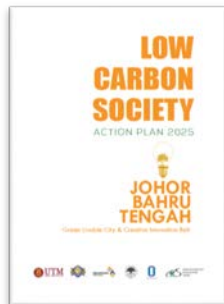
Low Carbon Society Action Plan 2025 for 5 Local Authorities in Iskandar Malaysia



Johor Bahru

Vibrant world class cosmopolis of the south

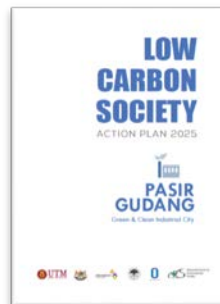
248
programs



Johor Bahru Tengah

Green livable city & creative innovation belt

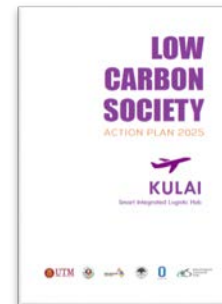
241
programs



Pasir Gudang

Green & clean industrial city

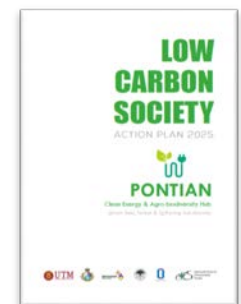
266
programs



Kulaijaya

Smart integrated logistic hub

258
programs



Pontian

Clean energy and agro-biodiversity hub

197
programs



COP 21, Paris



MOA- 2015



AIC- 2016

Low Carbon Society- Project updates and status



Integrated Green Transportation – Mobility Management System



Green Economy Guidelines (GEG) manual-
Status: Completed



Eco life Challenge Programmes
Status: In year 4, target 231 primary schools in Iskandar Malaysia in 2016



Low Carbon Village Felda Taib Andak
Status: In phase 2 of programme implementation



Master plan and guideline on connected pedestrian walk and cycle lane for Iskandar Malaysia
Status: Completed



Responsible Tourism Development And Biodiversity Conservation
Status: Now in year 4



Trees planting programme
Status: Planted 1000 trees in Pasir Gudang-2014; 1000 trees in Seri Alam-2015; 218 Trees in Rumah Iskandar Malaysia-2015; 1000 trees in Laman Mutiara Rini -2016



LCCF Pilot Project in Rumah Iskandar Malaysia
Status: Completed baseline report
On going energy and water saving awareness and competition



Developing cycling lane
Status: Seri Austin- 17 KM (15 Feb'14) & Seri Alam 33KM (18 May'14) under Smart Healthy City & Community programme



1. Integrated Coastal Erosion Prevention Plan for Tanjung Piai; 2. Gazettement of Sg Pulau Forest Reserve as a State Park; 3.Planned strategic enhancement of Pulau Kukup as a premier ecotourism destination in Iskandar Malaysia

Low Carbon Society- Project updates and status



Comprehensive Assessment System for Built Environment Efficiency (CASBEE) Pilot Project

Status: Target Completion Date May 2016

Case Studies

CASBEE Building - JST Connectors SB; Heng Hiap Industries SB; Jland Tower, JBCC; Molek Pine 4

CASBEE Urban Development – Bandar Dato' Onn; The Seed, Tanah

CASBEE City – JB; JBT; Kulai

Green Accord Initiative Award (GAIA)

Status:

- (i) Email teaser blast to developers & private companies Dec 2015
- (ii) Launched in April 2016

Building Energy Monitoring & Reporting System (BEMRS)

Status:

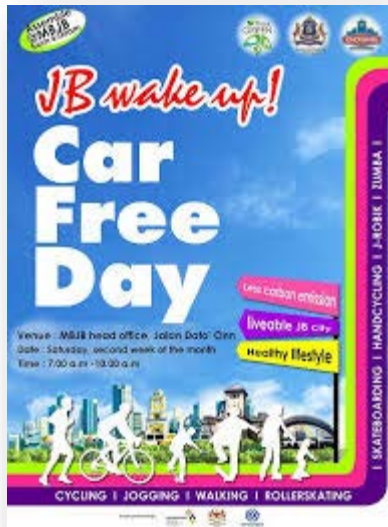
- (i) Brochure launched during COP21, Paris
- (ii) BEMRS Brochure launched intensive 3-day training session in Tokyo, Japan for LA representatives in Feb 2016

MyCarbon Programme in IM

Status:

- (i) Workshop for Mycarbon Programme in Iskandar Malaysia- Year 2015
- (ii) IRDA is participating in Mycarbon reporting

MBJB



Urban Farming Community Gardens



Provision of cycle lane

MPJBT



Rain Water Harvesting- Mixed Development, Commercial and Housing Development



Urban Farming
Community
Gardens



MPPG



Rain Water Harvesting



Capacity Building for Industries to Go Green

MPKu



Promotion and Execution of LCS



Green Technology Industries

MDP



Urban Farming



Rainwater Harvesting System



Provision of Pedestrian Walkway

Johor Sustainability Policy- Priority Programmes



WARISAN ALAM JOHOR



PULAI BIOSPHERE
INITIATIVE



ROYAL ISKANDAR MARINE
CONSERVATION AREA



SOUTHERN TIGER
LANDSCAPE



SUNGAI JOHOR
INTEGRATED RIVER BASIN
MANAGEMENT



JOHOR GREEN MOBILITY



LOW CARBON BUILDING
AND INFRASTRUCTURE



DAPUR HIJAU

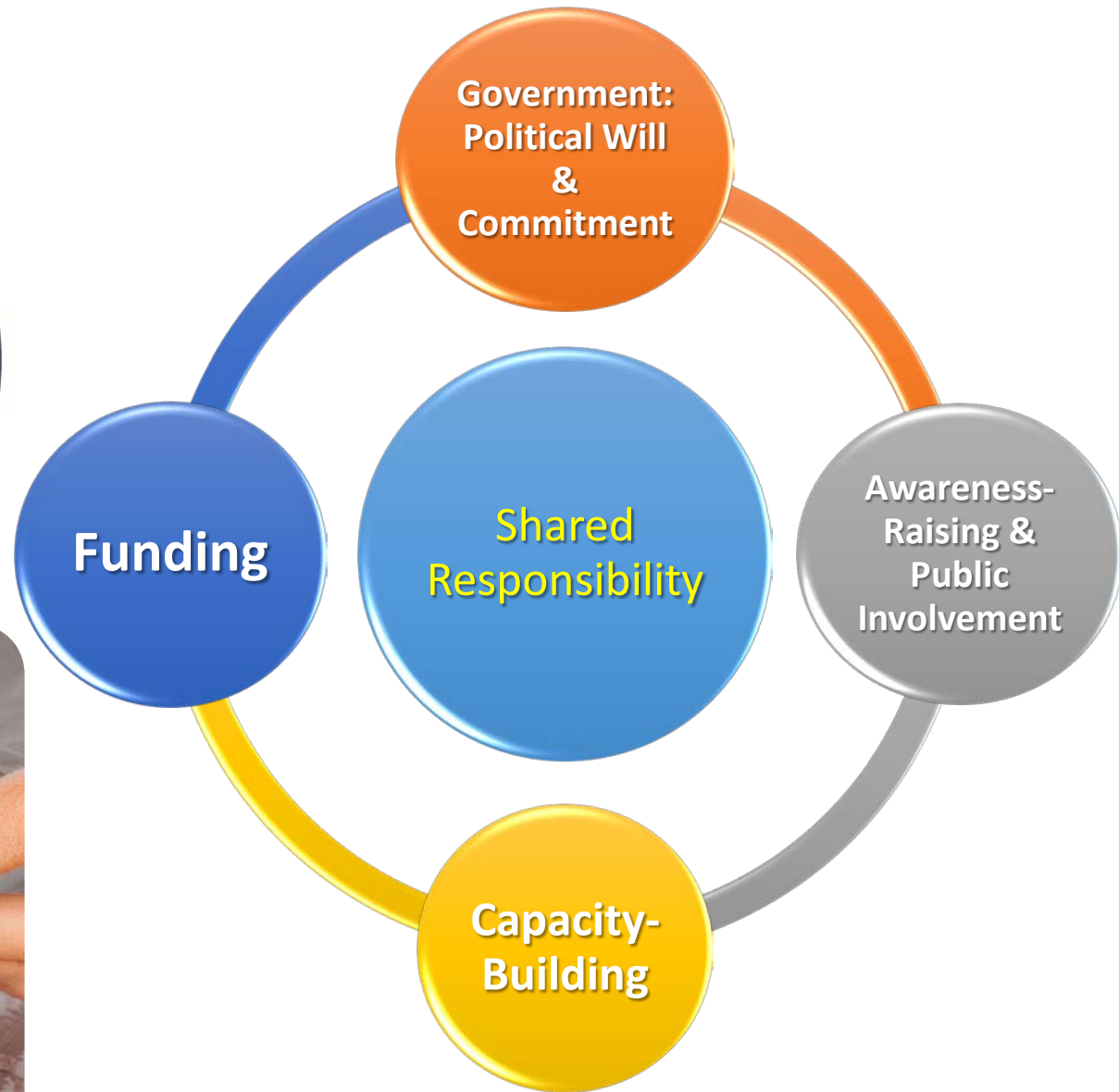


PELITA



PERBADANAN ALAM
SEKITAR NEGERI JOHOR

Conclusion





Thank You

