



Urban Cities' Challenges for a Green and Smart
Economy – The Case of Iskandar Malaysia
- GREEN CITIES/ REGIONAL CORRIDOR-
Ho Chin Siong,
Universiti Teknologi Malaysia



Structure of Presentation

- 01 Introduction
- 02 Background
- 03 LCS and Green economy LCS Blueprint for Iskandar Malaysia
- 04 The Way Forward
 - Issues/ Measures/ Barriers/ Future
 - Preliminary step/ Infant stage as compared with Japanese cases (Yokohama, Kawasaki etc)

3. Background of Iskandar Malaysia

Location of Iskandar Malaysia



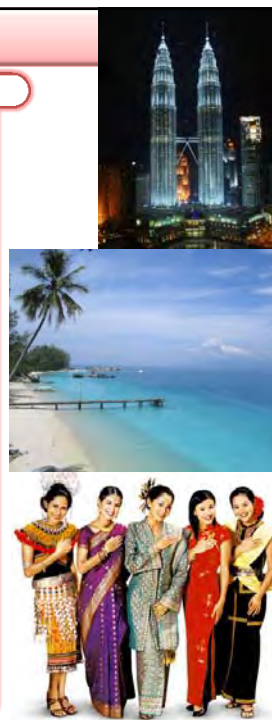
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1. Introduction

Malaysia:



- Land Area: **329 750 km²**
- Population: **28.3 Million (2010)**
- Urban population **62% (2000) to 71% (2010)**
- Population Growth Rate : **2.0% (2000-2010)**
- GDP Growth Rate: **5.7% per annum (2006-2008)**
- Climate: Tropical (**Temp: 24.5°C – 33.7°C**)
- Ethnicity: Malay & Bumiputra (64%), Chinese(26%), Indian (8%), Others(1%)



BACKGROUND

MALAYSIA: KEY ECONOMIC DEVELOPMENT CORRIDORS

IM **NCER**

ECER

SCORE
Sarawak Corridor of Renewable Energy
An Overview

SDC
SABAH
Development Corridor
Blueprint
2008-2025

01 Introduction

Development of Low Carbon Society Scenarios for Asian Regions

ISKANDAR MALAYSIA

FLAGSHIP A	FLAGSHIP B	FLAGSHIP C	FLAGSHIP D	FLAGSHIP E
JOHOR BAHRU CITY CENTRE - Central Business District (CBD) - Heritage and cultural city - Customs, immigration and Quarantine Complex (CICQ) - Jalan-Singapore Gateway	AUSJAYA - Asia Gateway - Education City - Medical Park - International Unconventional Energy - Southern Industrial & Logistics Cluster (SILC) - Public facilities	WESTERN GATE DEVELOPMENT - High Tech Training Village (HTTV) - Tanjung Merbau Estate - 200,000 homes in development - RASTAMAP Leisure Entertainment Park - Tanjung Pagar - Sustainable Type of Housing Area - Healthcare Cluster	EASTERN GATE DEVELOPMENT - Tanjung Lingsat Industrial Complex - Johor Strait - Tanjung Lingsat Park - Park City Industrial Park	SENANGI-SEREMANAU - Senang Seremban City - Senang High-Tech Park - Senang Industrial Park - MSC Cyberport City - Johor Technology Park - University Seremban Malaysia (USM)

Site: Iskandar Malaysia (Iskandar Regional Development Authority)

Objective:

- i. To draw up **key policies and strategies** in guiding the development of Iskandar Malaysia in **mitigating carbon emission**. Transforming Iskandar Malaysia into **a sustainable low carbon metropolis by adopting green growth strategies/roadmap**.
- ii. To respond to the nation's aspiration for **ensuring climate-resilient development for sustainability**.

Target Year: 2025 (2005 – 2025)

COP 15 – Malaysia’s target

- Prime Minister of Malaysia, Y.A.B Dato’ Sri Mohd Najib bin Tun Abdul Razak, in **COP15 in year 2009 at Copenhagen, Denmark**, proposed to reduce CO₂ emission intensity in Malaysia to **40 per cent by the year 2020 compared with its 2005 levels**, subject to assistance from developed countries.



COP15 on Dec 17, 2009 at Copenhagen, Denmark

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2. Malaysian Outlook

The CO₂ emission per capita and emission intensity of selected countries in 2007

Countries	Emission per capita tones of CO ₂ per capita	Emission Intensity tones of CO ₂ per US\$1,000 of GDP
World	4.35	0.73
United States	19.1	0.5
Singapore	9.8	0.3
Japan	9.7	0.2
United Kingdom	8.6	0.3
Malaysia	6.7	1.3
China	4.6	2.5
Thailand	3.5	1.3
Indonesia	1.7	1.6
India	1.2	1.7

The 10th Malaysian Plan (2011-2015) has outlined 2 major National Policies on **Environmental Protection and conservation**.

Set up National Green Technology and Climate Change Council chaired by PM

National Green Technology Policy

- Emphasizes on Sustainable development, development of roadmaps to guide the application of green technologies & establishment of Green Tech Financing Scheme.

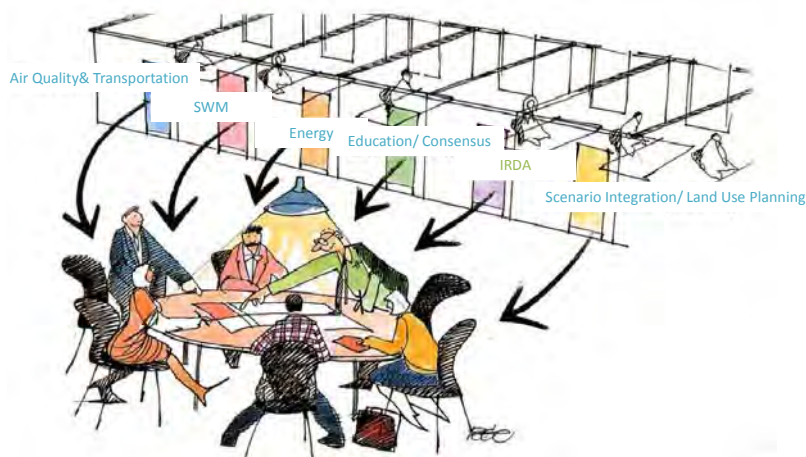
National Climate Change Policy

- Coordinate and streamline policy & legislations, stashed inter-ministrial and cross sectoral committee to facilitate implement and also identify options and strategies to achieve a low carbon economy.

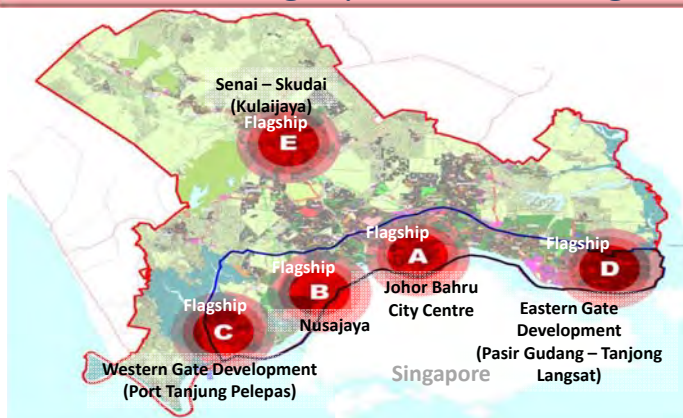
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05 Our Research Groups

Development of Low Carbon Society Scenarios for Asian Regions

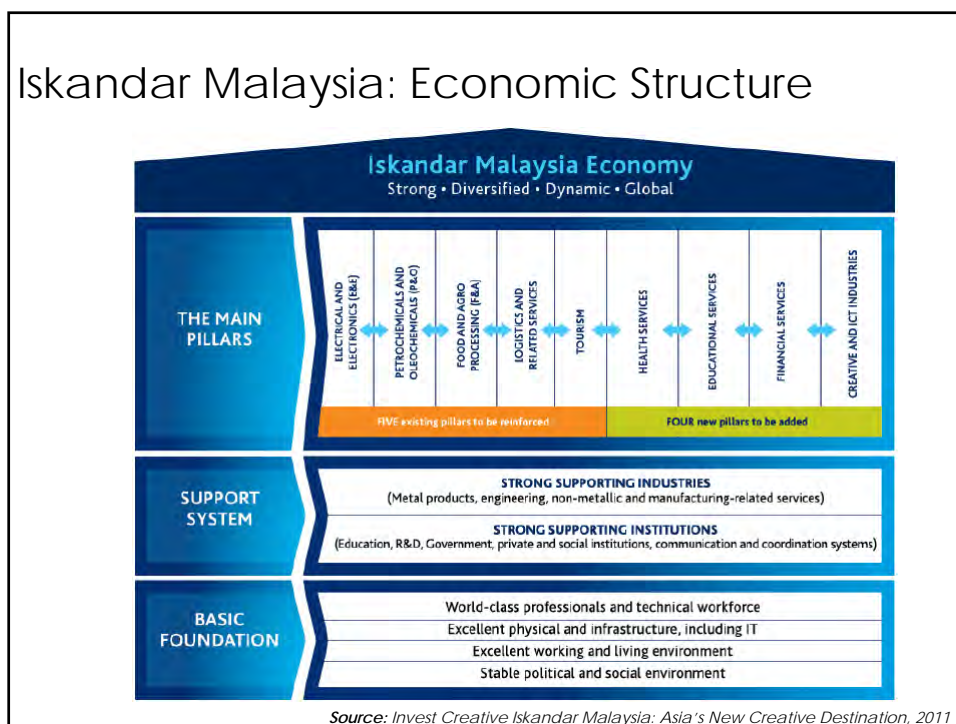


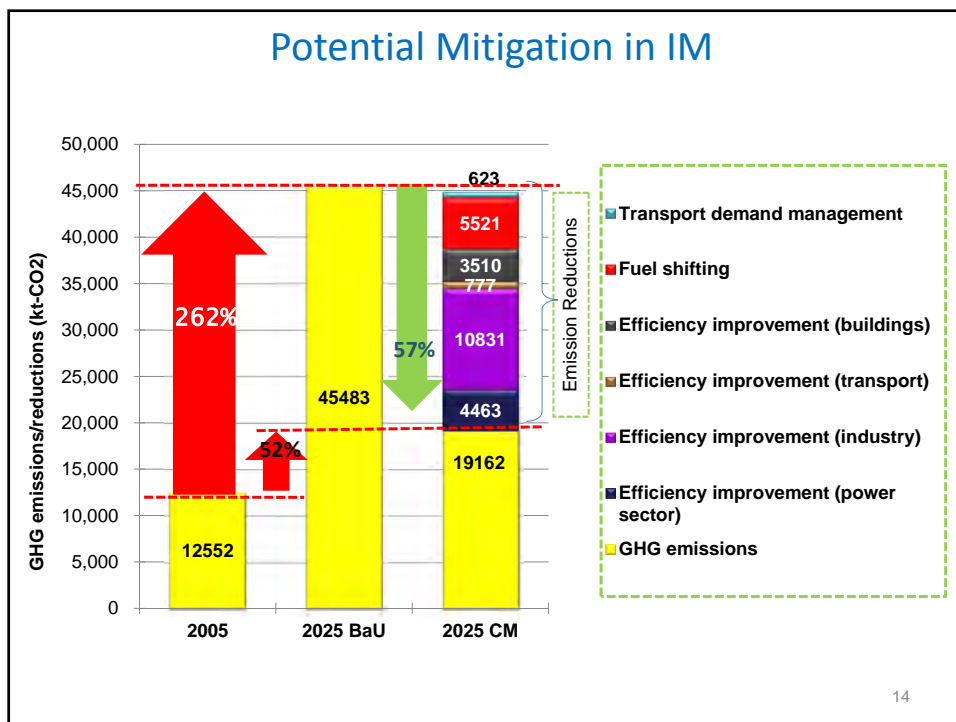
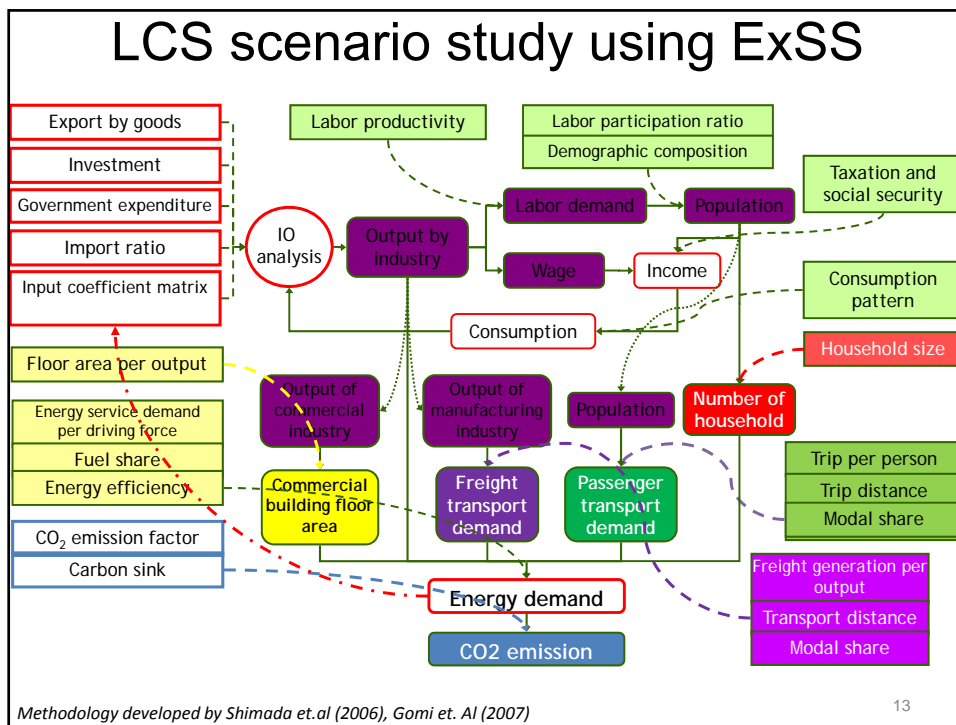
Geographical Coverage of IM

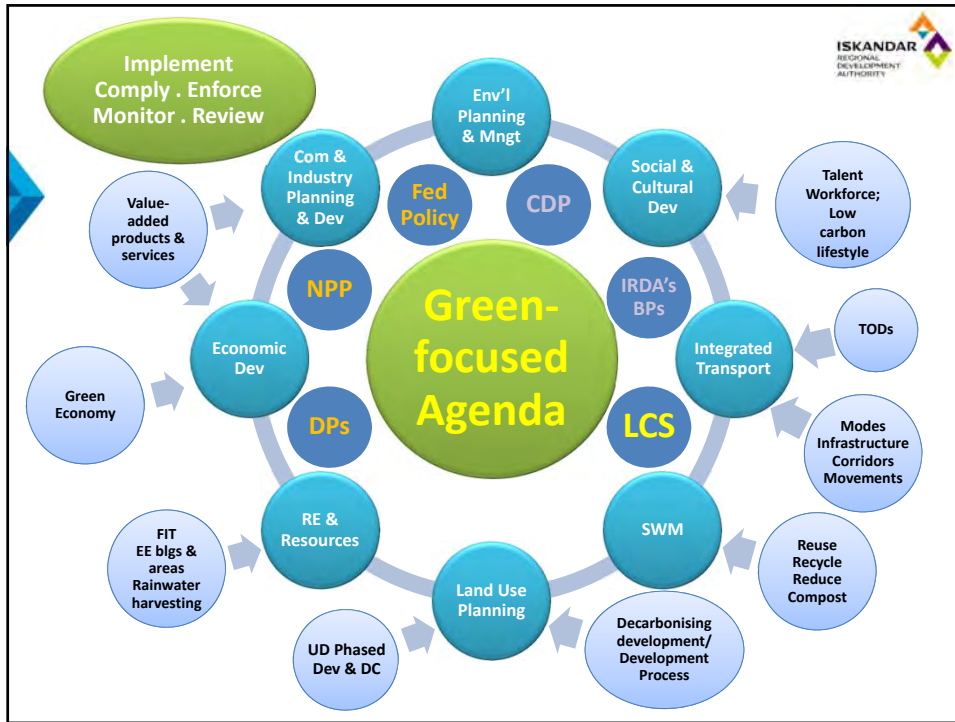


- Fast growing region in Malaysia .
- Area: 2,217 km² / 550,000 ac.
- 3 times the size of Singapore
- Five Local Authorities within IM

Region	Area (km ²)	Population (million)
Iskandar Malaysia	2,217	1.4 (Projected 2025: 3.0 million)
Singapore	690	4.1
Dubai	3,885	1.2
Hong Kong	1,095	6.9







IRDA Blueprints that promote LCS

INTEGRATED LAND USE

GREEN BUILDING DESIGN

ENVIRONMENTAL PLANNING

INTEGRATED SOLID WASTE MANAGEMENT

MASTERPLAN FOR RENEWAL ENERGY

AREA CHARACTER STATEMENT

INTEGRATED PUBLIC TRANSPORTATION

SHORELINE MANAGEMENT

LOW CARBON BP

IM Vision: "A Strong, Sustainable Metropolis of International Standing"

09 LCS Blueprint for Iskandar Malaysia

Dozen Actions

Action 1 Walkable, Safe, Livable City Design	Action 2 Integrated Green Passenger Transportation	Action 3 Green Economy
Action 4 Low Carbon Lifestyle	Action 5 Smart Growth	Action 6 Green and Blue Network/ Infrastructure
Action 7 Green Buildings and Construction	Action 8 Green Energy System and Renewable Energy	Action 9 Sustainable Solid Waste Management
Action 10 Community Engagement and Consensus Building	Action 11 Green and Clean Environment	Action 12 Low Carbon Urban and Regional Planning Institution

Examples of Blueprint Actions of IM

GREEN ECONOMY

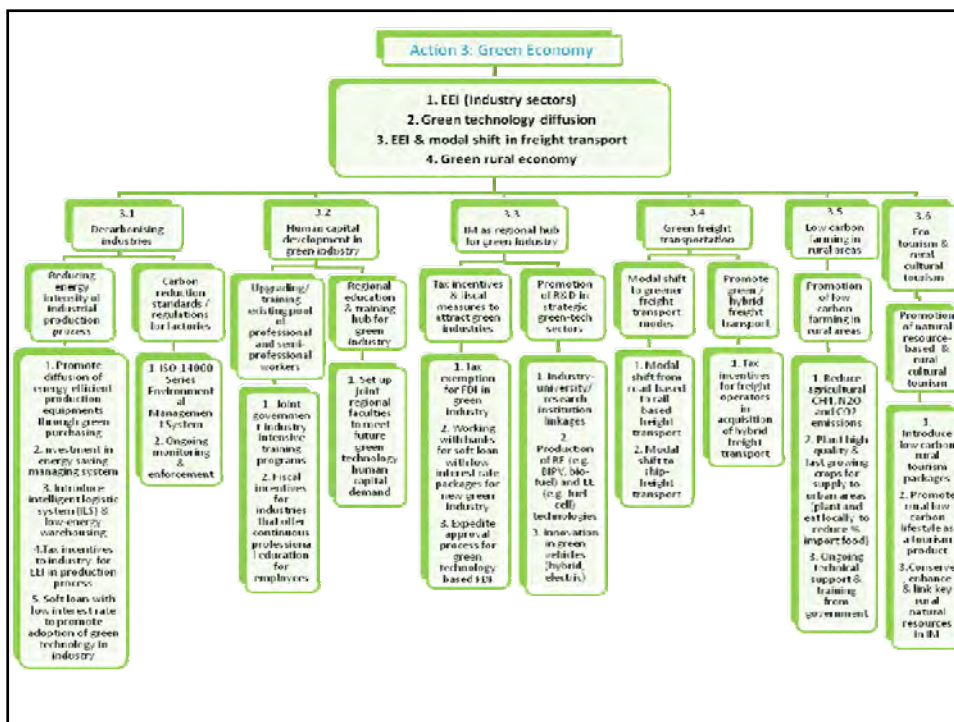
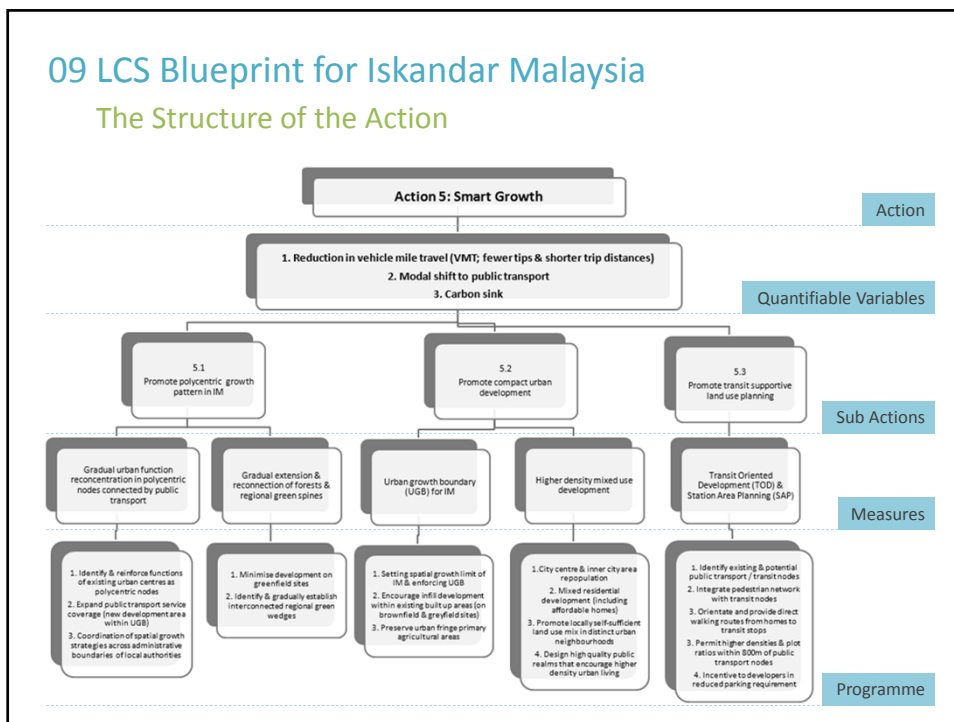
- Decarbonising industries (EE, RE, regulation)
- Human capital development in Green technology
- IM as hub of Green technology development
- Green Freight Transportation (modal split, EV etc)
- Low Carbon farming in rural areas
- Eco tourism and cultural tourism

SMART GROWTH

- Promote polycentric growth (Reconcentration)
- Promote compact development (UGB, mixed use)
- Promote transit supportive land use development (TOD)

09 LCS Blueprint for Iskandar Malaysia

The Structure of the Action



Challenges

- Strengthen **the institutional frameworks** (Governance and monitoring)
- Provide **Conducive Environment for Low Carbon**
- Intensify **Human Capital Development in Low Carbon Technology** (enhance training and education program)
- Intensify **Low carbon Research and Innovations** (R& D commercialization)
- **Promotion and Public Awareness** (Education and info dissemination, inculcate culture)

THANK YOU FOR YOUR ATTENTION!

HO CHIN SIONG

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