

East Asia Low Carbon Growth dialogue

- Observer Room 4 at 1830-2000 on Dec 7 2015

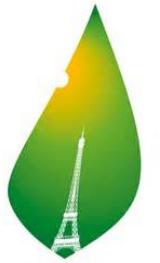
Way Forward

National Planning and city Actions

Science to Action of Sustainable Low carbon City-Region - The case of Iskandar Malaysia

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COP21-CMP11
PARIS 2015
UN CLIMATE CHANGE CONFERENCE



IGES



Project for Development of Low Carbon Society Scenarios for Asian Regions

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Background

Malaysia cities : Key Challenges



Iskandar Malaysia – 1.5 million – 3mil (2020)
 Putrajaya – 100,000 to 350,000 (2025)



Voluntary
 40%
 reduction
 of CO₂
 emission
 intensity by
 2020

Issues

- _ Rapid urbanization and industrialization (7%pa)
- _ Relatively high carbon intensity dependence on fossil fuel
- _ High private car ownership
- _ Low density development and urban sprawl
- _ Low efficiency appliances and Renewabl energy

Government Policy Directions

- _ National Green Technology Policy
- _ National Policy on Climate Change
- _ National Renewable Energy Policy and Action Plan
- _ National Policy on the Environment
- _ 11th Malaysia Plan (2016-2020)
- _ Green Neighborhood Planning Guideline
- _ Low Carbon Cities Framework and Assessment System

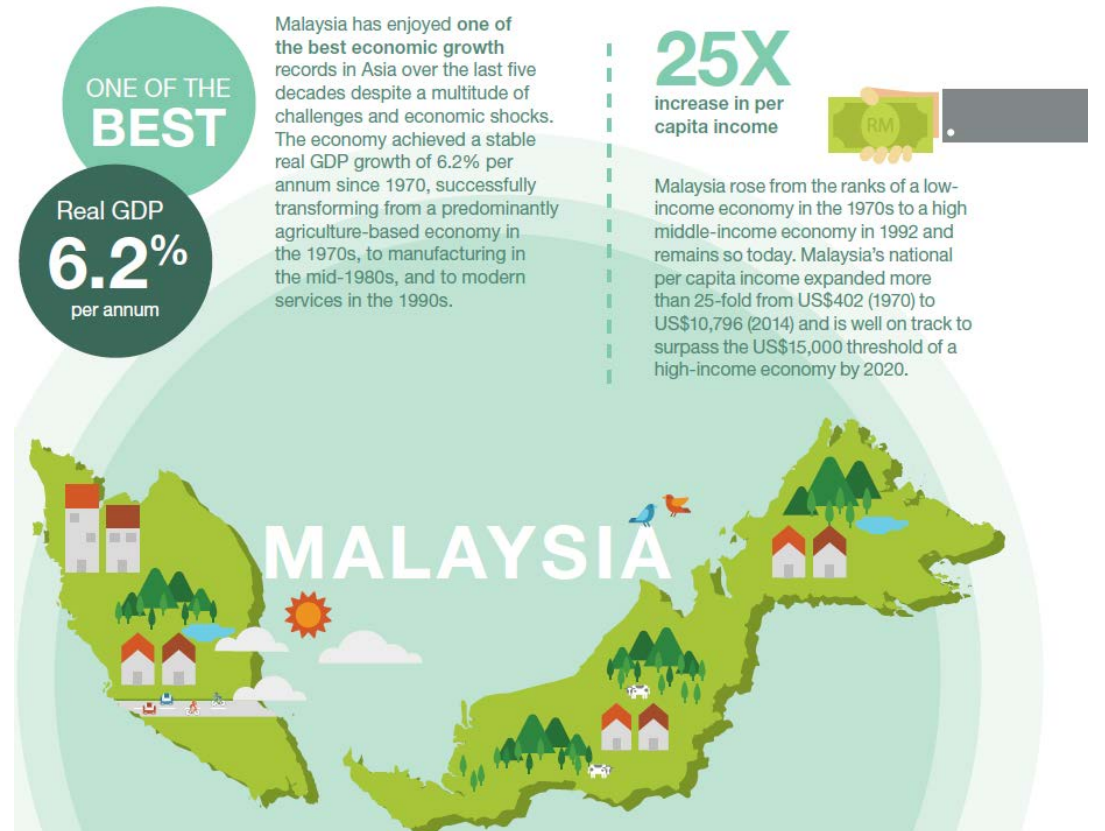
Malaysia- background

Journey realizing Vision 2020- A fully developed nation along all dimensions – economically, politically , socially, psychologically and culturally by 2020.

Themes related to low carbon development

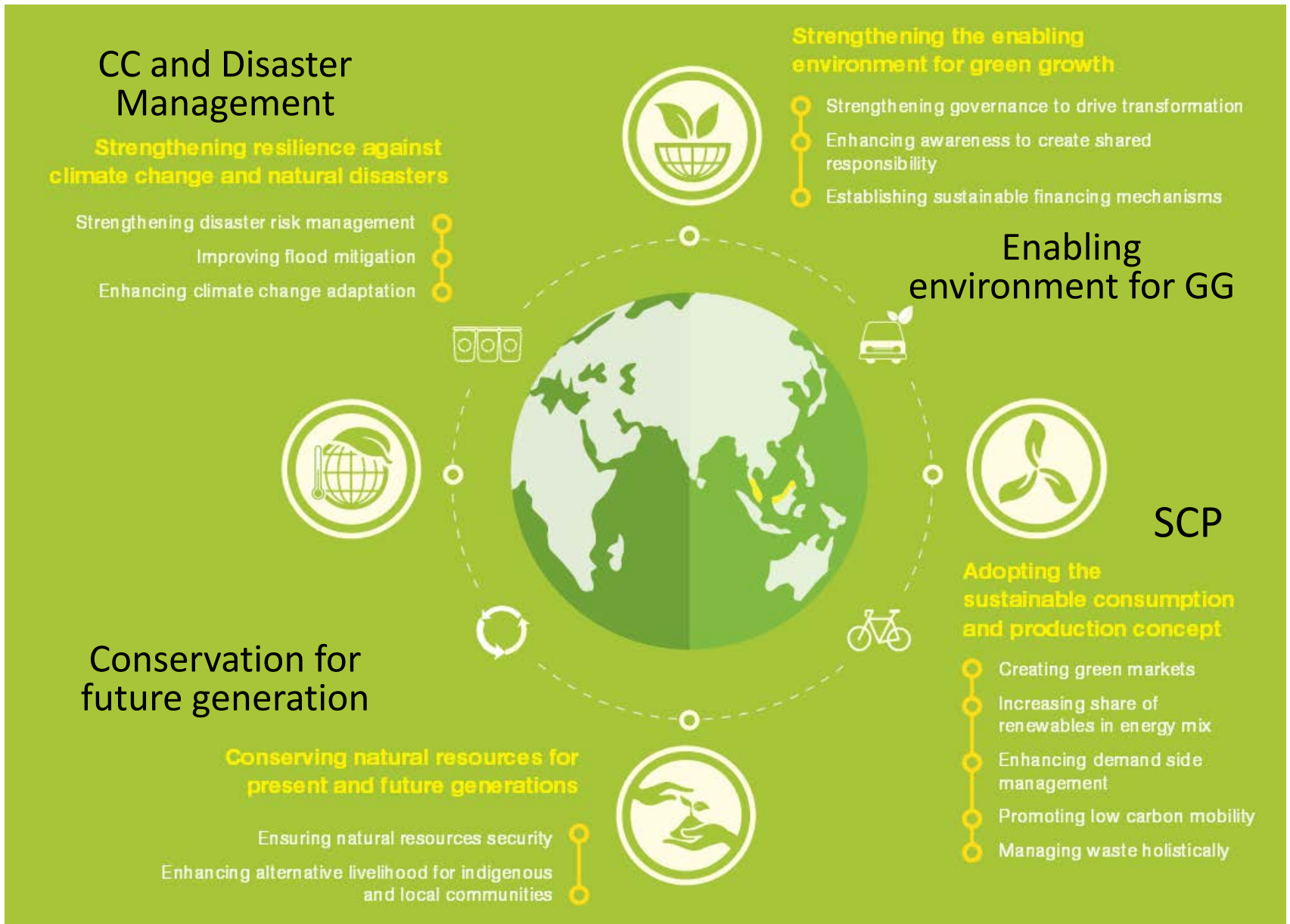
- Digital nation,
- Green growth cities
- Competitive cities
- Promote biodiversity
- Environmental awareness,
- Enable energy plan,
- Inclusiveness,
- Enable energy plan

In retrospect

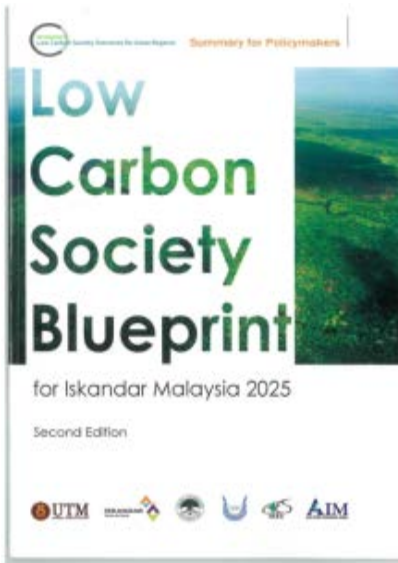


	CO2 emission ('000metric tons	CO2 per capita metric ton	Carbon intensity Kg / kg oil equiv
1990	56,593	3.1	2.6
2000	216,804	7.7	3.0

Focus area of green sustainability



Low Carbon Society Blueprint for Iskandar Malaysia 2025



- The LCSBPIM– a quick reference for all policy-makers in both public and private sectors as well as IRDA;
- 12 Actions grouped in 3 parts namely: (Green Economy), (Green Community), and Green Environment);281 programmes;
- Each Chapter contains an analysis, list of programmes and the potential GHG emissions reduction;
- IRDA launched its Low Carbon Society Blueprint for Iskandar Malaysia 2025 on 30 November 2012 at the United Nations Climate Change Conference in Doha, Qatar. The ultimate goal is to reduce Iskandar Malaysia’s carbon intensity emissions by 50 per cent by 2025.
- The Blueprint was subsequently endorsed by the Prime Minister of Malaysia in December 2012

	Action Names	Themes
1	Integrated Green Transportation	GREEN ECONOMY
2	Green Industry	
3	Low Carbon Urban Governance	
4	Green Buildings & Construction	
5	Green Energy System & Renewable Energy	
6	Low Carbon Lifestyle	GREEN COMMUNITY
7	Community Engagement & Consensus Building	
8	Walkable, Safe, Livable City Design	GREEN ENVIRONMENT
9	Smart Growth	
10	Green and Blue Infrastructure & Rural Resources	
11	Sustainable Waste Management	
12	Clean Air Environment	

Low Carbon Society Scenarios for Iskandar Malaysia

LCS Blueprints for 5 Local Authorities – First Cuts

The Vibrant Heart of Southern Region

JOHOR BAHRU CITY COUNCIL MBJB

Under SATREPS, the project development of Low Carbon Society Scenario for Asian Region comes with a view to define Low Carbon Society (LCS) vision and crafting a roadmap towards LCS at the national and city-regional levels. Iskandar Malaysia (IM) is targeted to reduce its Carbon Emission by 50% in 2020.

The project is to develop methodology for creating Low Carbon Society (LCS) scenarios and apply it in Iskandar as well as to forward the research outputs to IM.

This brochure is produced for Carbon Emission Reduction Disaggregation for 5 Local Authorities in IM including Johor Bahru City Council (MBJB) in the context of Current Socioeconomic Scenario for MBJB and in line with the vision of IM for Carbon Reduction. Several actions have to be taken accordingly to the current scenario.

Johor Bahru

‘The Vibrant Heart of Southern Region’

Livable Community City

JOHOR BAHRU TENGAH MUNICIPAL COUNCIL MPJBT

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Johor Bahru Tengah

‘Livable Community City’

Green Manufacturing Hub

PASIR GUDANG MUNICIPAL COUNCIL MPPG

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Pasir Gudang

‘Green Manufacturing Hub’

Smart Logistic Hub

KULAI MUNICIPAL COUNCIL MPKu

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Kulai Jaya

‘Smart Logistic Hub’

Agrobiodiversity Hub

PONTIAN DISTRICT COUNCIL MDP

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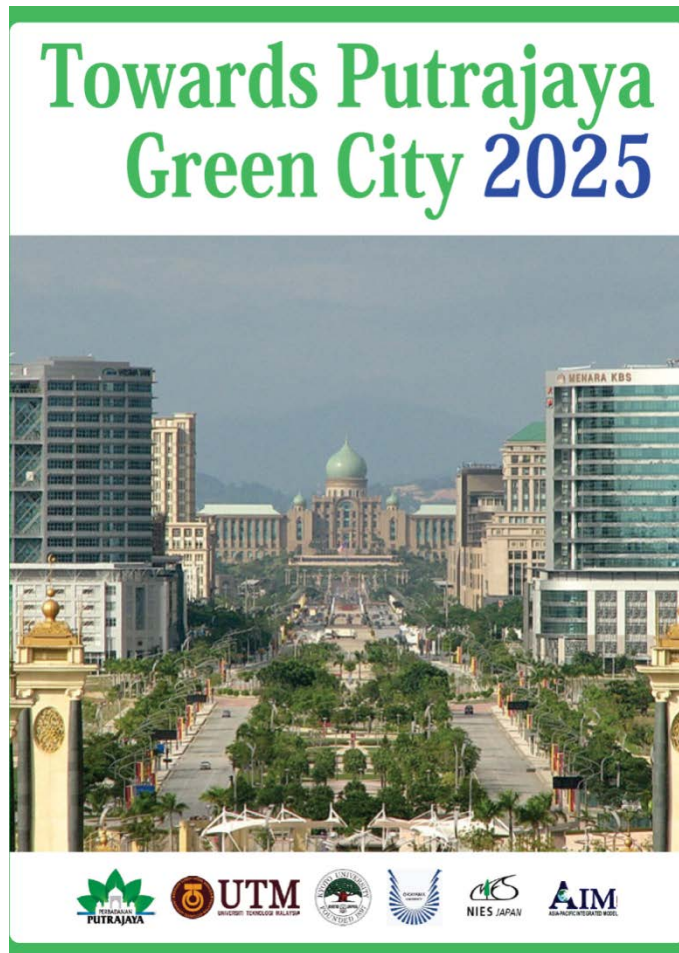
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Pontian

‘Agrobiodiversity Hub’

Putrajaya Low carbon city



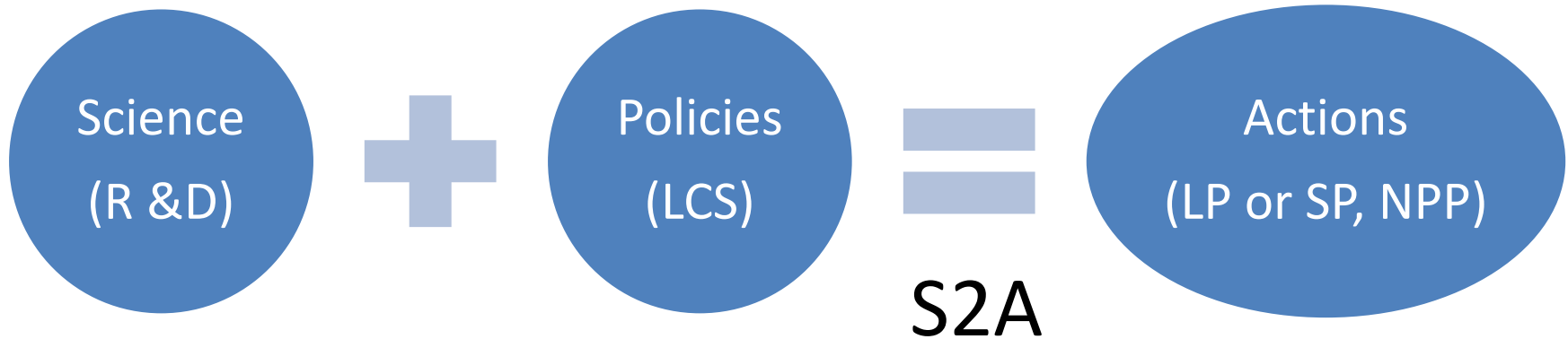
GREEN CITY INITIATIVES

- Focus Area 1: Planning, Urban Design & Building
- Focus Area 2: Integrated Nature Into The Urban Fabric
- Focus Area 3: Transportation & Mobility
- Focus Area 4: Energy Usage
- Focus Area 5: Water Usage
- Focus Area 6: Solid Waste Management
- Focus Area 7: City Administration & Management

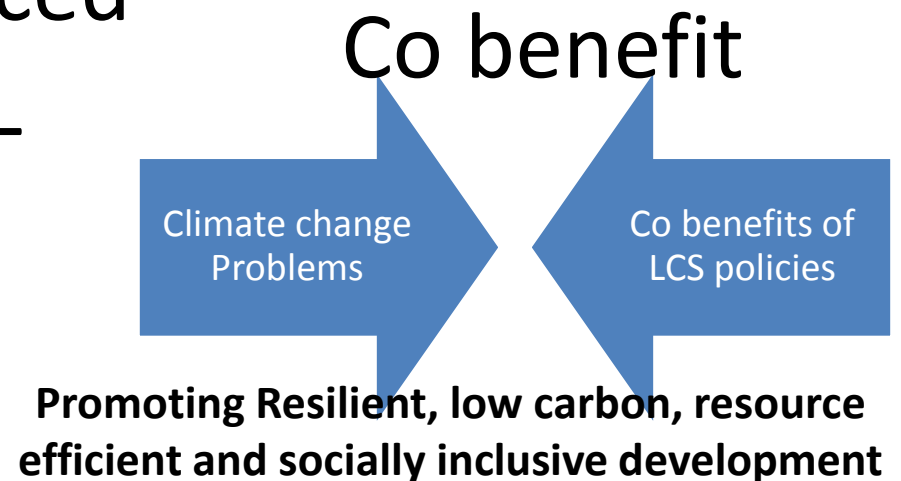
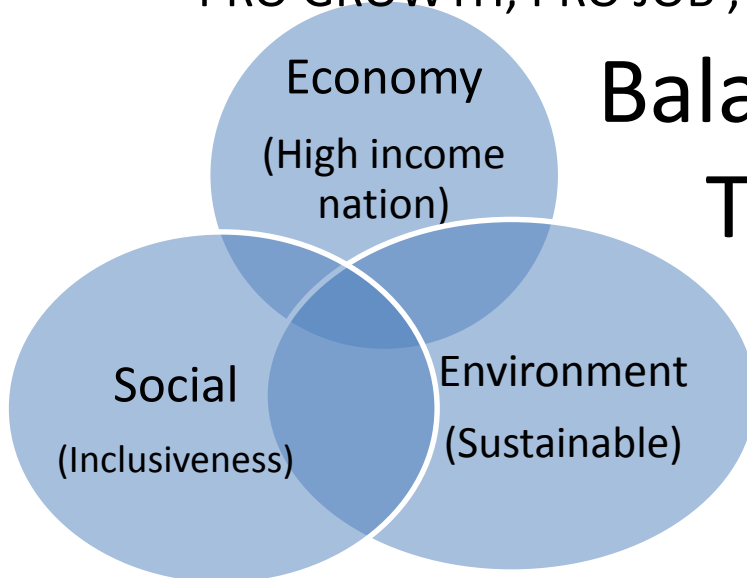
INVENTORY OF PUTRAJAYA GREENHOUSE GAS EMISSIONS 2012

- Inventory Result
 - Carbon Emissions from Building Sector
 - Carbon Emissions from Transportation Sector
 - Carbon Emissions from Waste Sector
- Conclusion

Sustainable development approach/ Climate Actions



Key element Sustainable development
= PRO GROWTH, PRO JOB , PRO POOR and PRO ENVIRONMENT



(The importance of Implementation and Monitoring)

