



Iskandar Malaysia

5th High Level Seminar on Environmentally Sustainable Cities
Session B2: Topic - “Low Carbon Cities Planning and Management”

a presentation by

28 Feb – 01 March 2014



Geographical Location: Iskandar Malaysia in Johor State



Introducing Iskandar Malaysia – 5 flagships

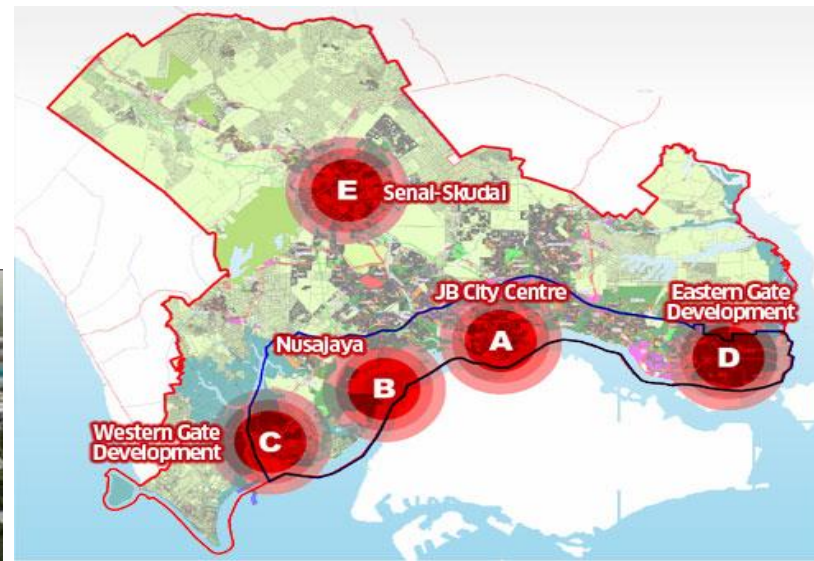
A



E



B



D



C



Iskandar Malaysia Vision

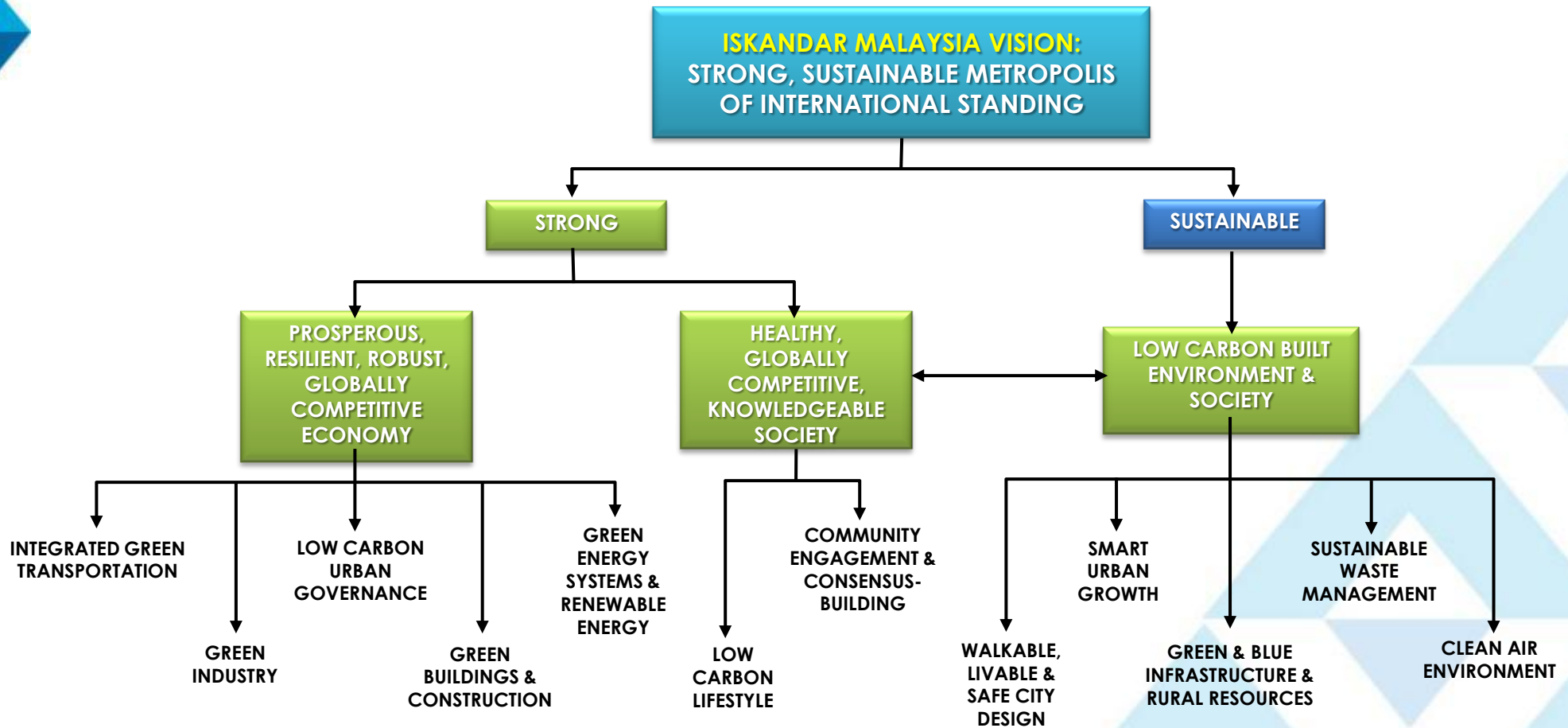
**“Strong and Sustainable Metropolis
of International Standing”**

IRDA's Strategic Environmental Policy



Green-focused Agenda - Rationale

Aligning the Vision with Low Carbon Society Development



From Science to Policy: Potential GHG reduction – 40%

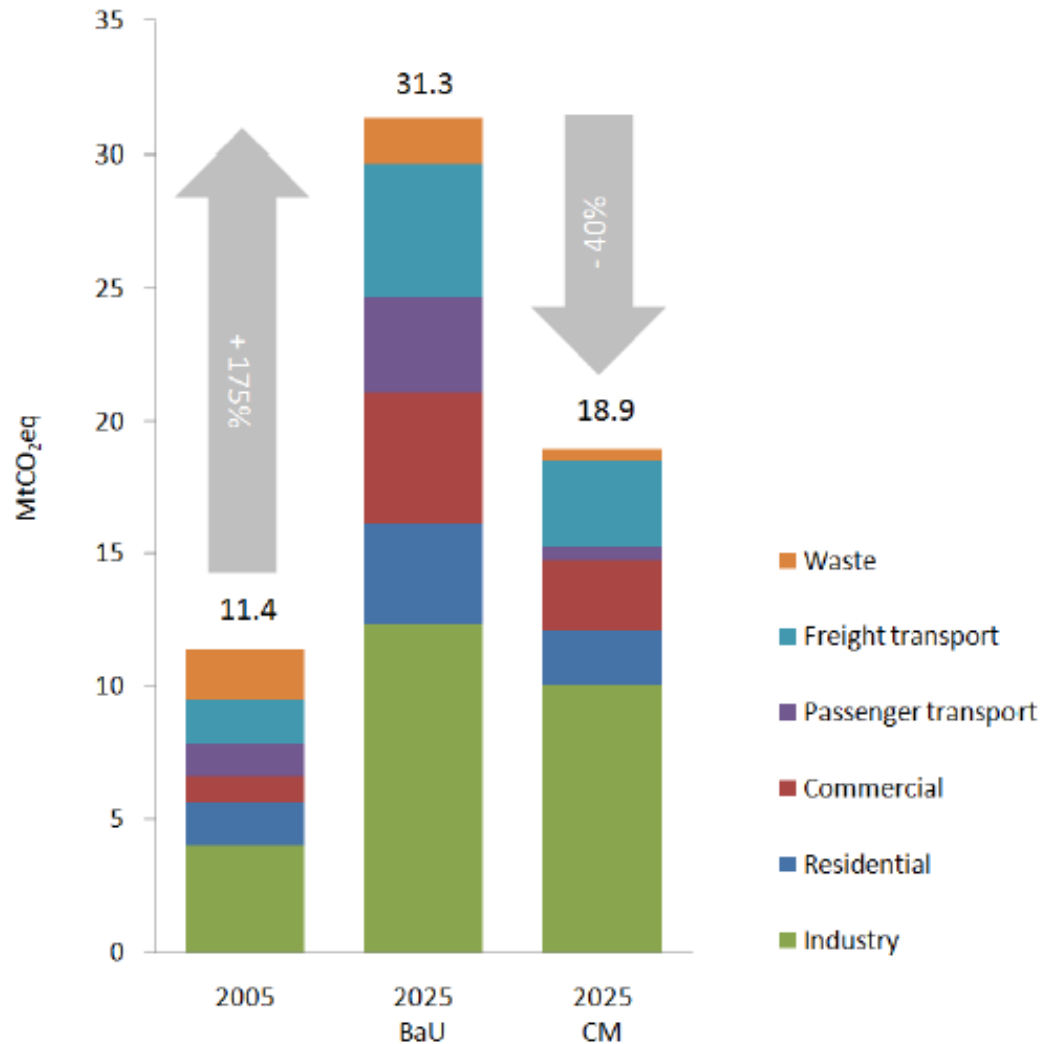


Figure 1: GHG emissions by sectors

Launching of the Low Carbon Society Blueprint – COP18 Doha 2012 and COP19 Warsaw 2013



LCS Actions for IM by Three Main Themes

Development of Low Carbon Society Scenarios for Asian Regions

	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	

Green Economy: On-going



Green Transportation

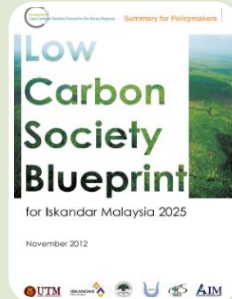
Public transport system improvement

Bas Iskandar Malaysia- social route

BeXTRA- BAS EKSPRES TRANSIT- express, limited transit point

Improve JB - Singapore, JB-KL Connectivity

UNDP/GEF Low Carbon Cities



Low Carbon Urban Governance

Governance Structure

Implementation of Programmes

Specification Cards

Danga Bay proposed waterfront project



Green Industry

Promote the ecological & economic benefits of greening existing industries

(Thru facilitation of investment and new development)

Training programmes

Green Economy Guidelines

Expert Talk Series



Green Building and Construction

Promote and Facilitate Green Building in New Construction

Danga Bay proposed waterfront project

District Cooling

CASBEE/GAIA



Green Energy System and Renewable Energy

Promotion of Renewable Energy for new development

SEDA's role –FIT; Renewable Energy

Biomass

Low Carbon Cities Policy Package

Buildings

- Environmental performance standard and evaluation of buildings
- Adjustment of tax rate of fixed asset tax
- Low interest loans to investment in energy efficient buildings

- Environmental performance standard of equipment
- Environmental labeling
- Education and information services
- Green purchasing policy
- Green Investment policy

- Subsidy to introduce photovoltaic power generation system
- Tax incentives for green developments

Transport & Land use

- Urban planning
- Green Transportation planning; mobile management system
- Tax rate adjustments to fixed asset
- Investment in public transport e.g. BRT

- Environmental performance standard of vehicles
- Tax rate adjustment to energy-efficient vehicles
- Promotion of bio fuel

Industry

- Subsidy to investment to energy efficient equipment
- Promotion of technology transfer
- Green manufacturing

- Incentives to introduce energy-efficient equipment & buildings
- Incentives to introduce/adopt renewable energy

- Controlling urban growth & choice of transport mode

Energy-efficiency
improvements

Lowering CO₂

Transport
demand control

Sustainable Economic Region

Low Carbon Society Blueprint for Iskandar Malaysia: “Actions for a Low Carbon Future”

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1. Integrated Green Transportation – Mobile Management System
 2. Green Economy Guidelines
 3. Eco-Life Challenge Project for Schools
 4. Portal on Green Technology
 5. Trees for Urban Parks/Forests
 6. Responsible Tourism and Biodiversity Conservation
 7. Bukit Batu Eco-Community
 8. GAIA – Green Accord Initiative Award
 9. Low Carbon Village FELDA Taib Andak
 10. Special Feature: Smart City – Pasir Gudang ‘NAFAS BARU’:
CLEAN AND HEALTHY CITY

Main factors for success of Low Carbon Society Blueprint >>>>>>>



Governance Structure – coordination of policies

- Close collaboration between all agencies (Federal, state and regional) to ensure policy dovetailing and acceptance



Public awareness & direct involvement

- Awareness, involvement and readiness of everyone in the implementation of LCS; stakeholders' preparedness



Monitoring and review

- Actions need regular monitoring and review to ensure effectiveness and acceptance



Visible evidence & creating champions of LCS

- Public acceptance of a high sustainability Iskandar Malaysia and Green Growth

Mechanisms for Success of Low Carbon Society Blueprint

IRDA's Roles as
regional authority

PLAN

PROMOTE

FACILITATE

Government:
Political Will &
Commitment

PM's endorsement of
LCSBP, COP 18 & 19

Strong and
Sustainable
Metropolis of
International
Standing

Funding

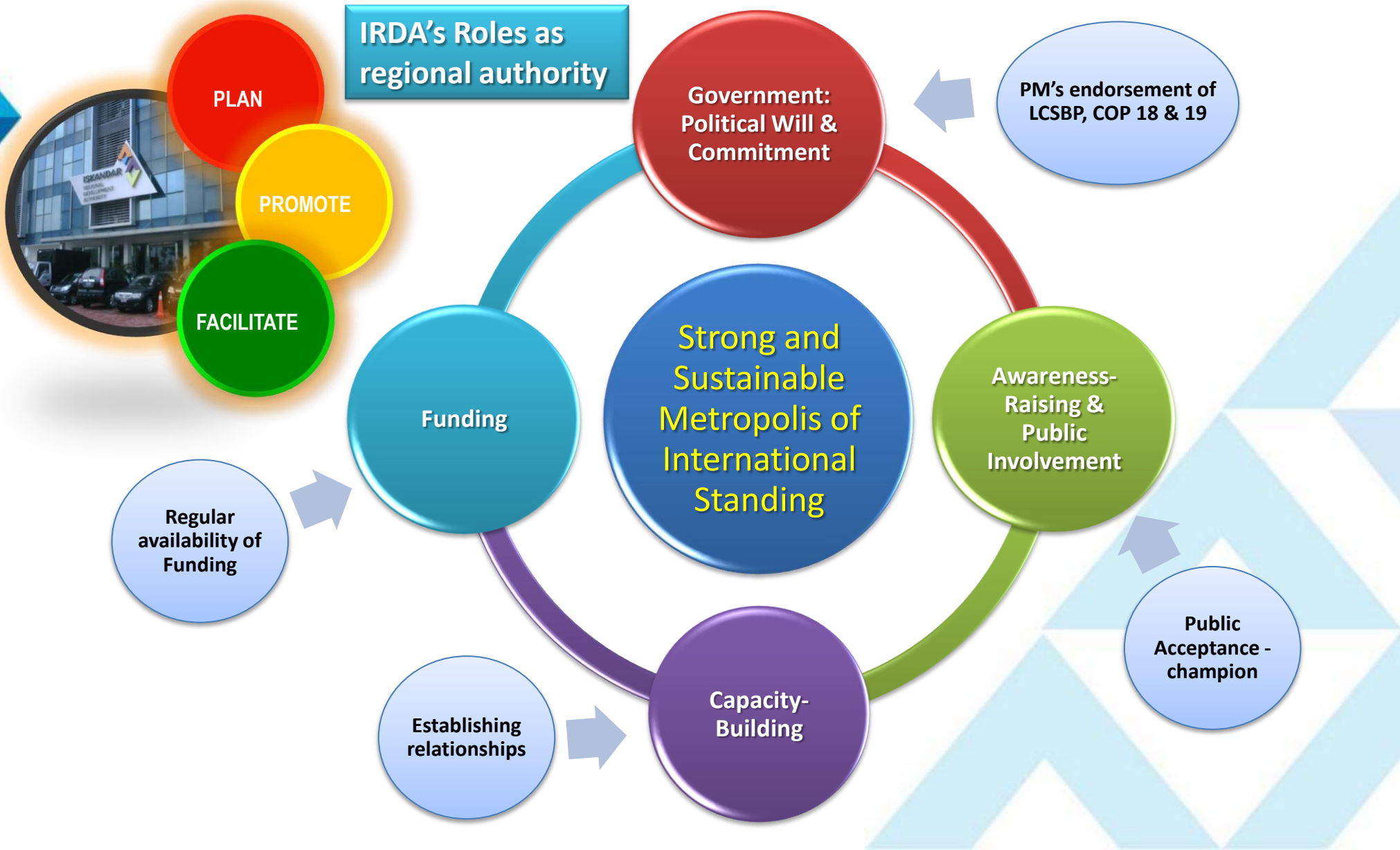
Regular
availability of
Funding

Awareness-
Raising &
Public
Involvement

Public
Acceptance -
champion

Capacity-
Building

Establishing
relationships





THANK YOU

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5th HLS ESC, Surabaya

28 February – 01 March 2014

