A GREEN-FOCUSED AGENDA FOR ISKANDAR MALAYSIA: Towards a Low Carbon Society



LCS Bangkok 17-19 Nov 2010

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17 Nov 2010





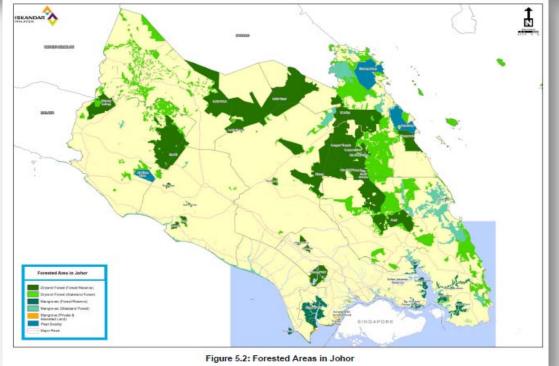


- 1. Brief Introduction to Iskandar Malaysia
- 2. The IM environment
- 3. IRDA's Roles and Responsibilities
- 4. IM: Issues and Challenges
- 5. IRDA's Proposed Actions for LCS
- 6. IRDA's Blueprints on LCS
- 7. Essential Mechanisms to achieve LCS
- 8. Summary & Conclusion

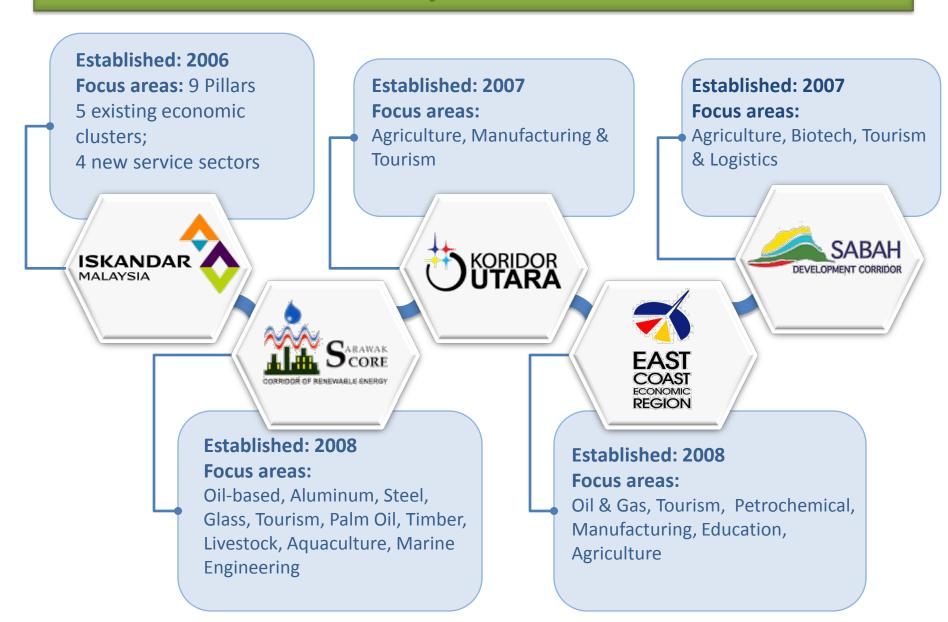
Malaysia
Johor State
Iskandar Malaysia





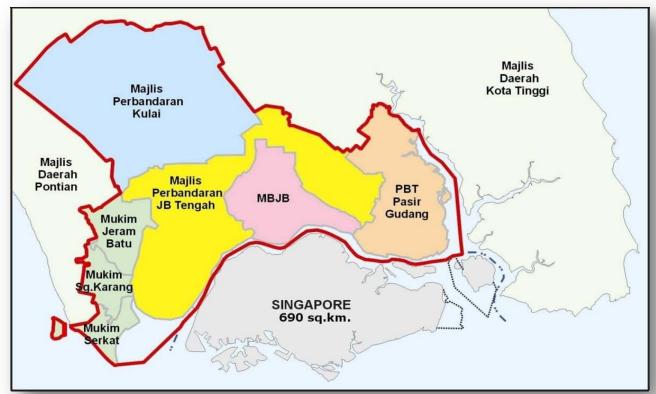


Introduction: Malaysia's Economic Corridors



Geographical Coverage of Iskandar Malaysia





Area:

- 2,217 km² / 550,000 ac.
- 3 times the size of Singapore
- Pop: 1.4 million (2009)
 to 3m by 2025
- 5 Local Authorities within IM

Region	Area (km²)	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



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Iskandar Malaysia – Wealth of Environmental Features and Scenic Beauty











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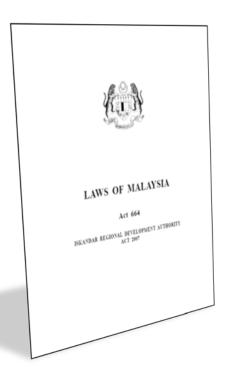


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IRDA's Roles and Responsibilities



As a regulatory authority, IRDA's roles and responsibilities are to Plan,
 Promote and Facilitate development in Iskandar Malaysia. IRDA was formed on 23rd February 2007.



IRDA ACT 664

PLAN

- Master Planning (inclusive of Social Planning)
- Economic Planning Clusters
- Recommend policies, laws, actions and incentives

PROMOTE

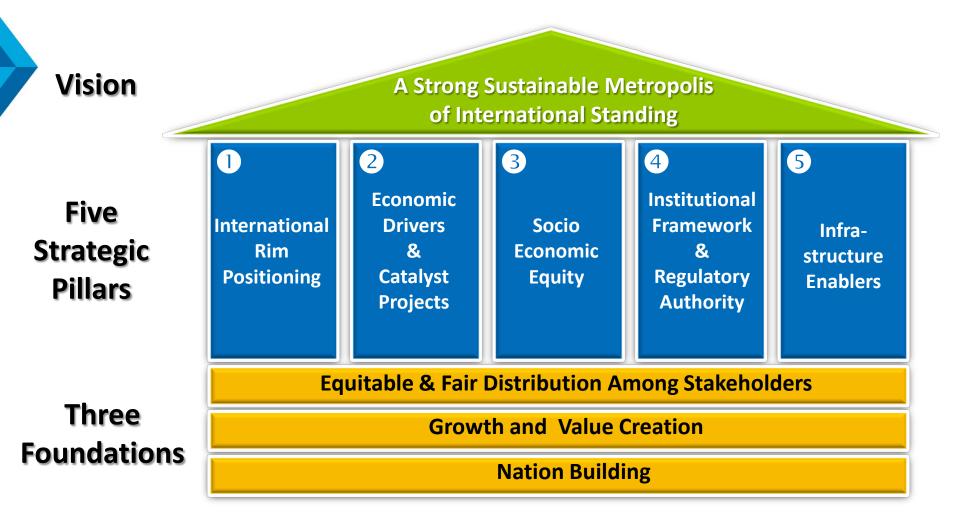
- Brand guardian of Iskandar Malaysia as an investment destination
- Promote private & public investments in IM
- Disseminate information to investors and public

FACILITATE

- Monitor and align sector developments
- Coordinate and monitor enabler developments
- Principal coordinating agent for approval

Iskandar Malaysia Development Strategy

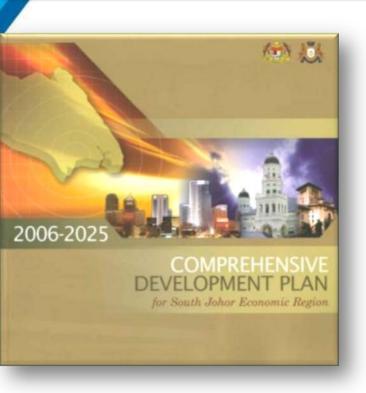




Comprehensive Development Plan 2006-2025



The CDP is the principal document to guide IM's economic, social, physical development and environmental planning and management toward the establishment of a "strong, sustainable metropolis of international standards".



Downloadable at www.iskandarmalaysia.com.my

DEVELOPMENT STRATEGIES:

- **☐** Balanced Development
- ☐ Protect and Conserve Nature, Historic and Open Spaces
- ☐ Focused Development at Areas with Existing & Adequate Infrastructure
- ☐ Promote Infill & Redevelopment
- Enhance Accessibility
- □ Promote Key Economic Areas as Focal Point For Growth
- Manage Regional Growth
- ☐ Plan for Innovative & Sustainable Infrastructure & Utilities
- ☐ Promote Planned Communities which produce Quality and Sustainable Neighbourhoods



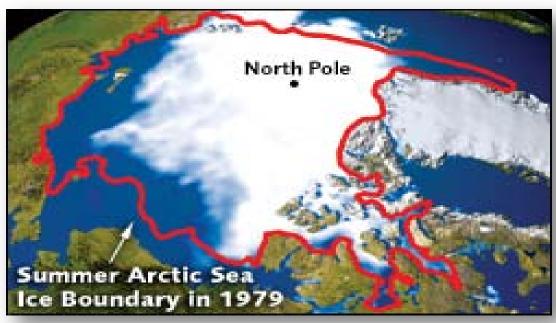
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Global Issues/regional/local impacts





Red line was the summer ice boundary in 1979; the white area in 2009



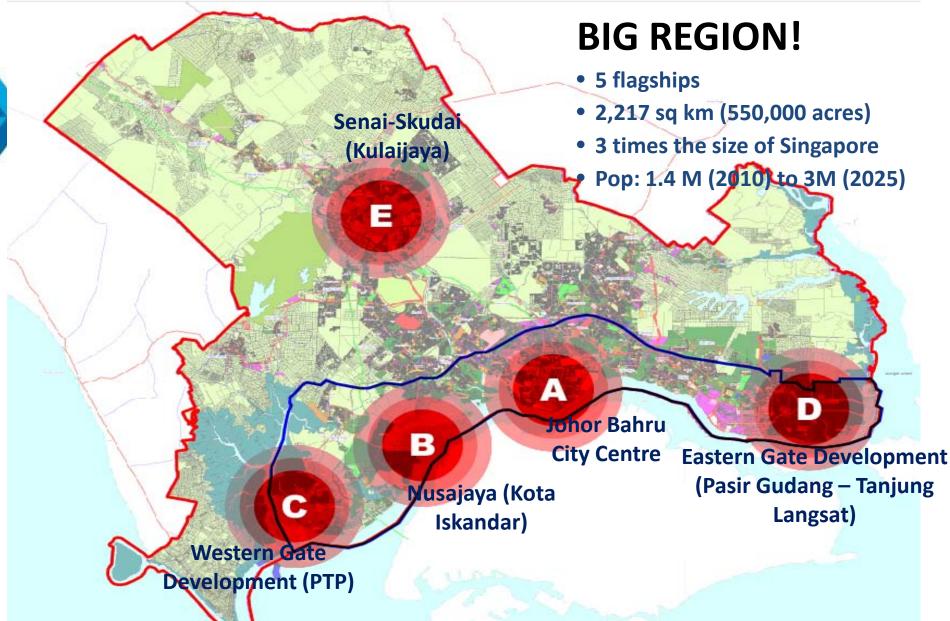




Indonesia – Land clearing; Haze in Malaysia and Singapore

Environmental Issues in IM today







GHG emission reduction for Malaysia

"Malaysia is adopting a voluntary national reduction of up to 40% in terms of GDP emission intensity by 2020 compared with 2005 levels."

YAB Dato' Seri Mohd Najib Tun Abdul Razak, COP 15 Copenhagen December, 18 2009

Issues and Challenges for IM

- 1.Rapid sprawling developments; car-centred cities and towns
- 2. Threats to designated sites; degradation of natural areas and pocket open spaces in towns
- 3. High private car ownership & high dependence on fossil fuels e.g. vehicles, goods movements
- 4.Limited recycling culture; apathy; high dependence culture
- 5.Low efficiency appliances



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IM's aspirations from the LCS Study



- How will the LCS Scenarios help to reduce IM's CO₂ emissions between 30-50% by 2025?
- What do IRDA and IM stakeholders need to do in order to achieve this target?
- How do we translate the results obtained from the scenarios into policies and proposals?
- How will the results enhance our blueprints?
- How do we implement the results when, where, who?

Establishing a framework of LCS scenario for IM

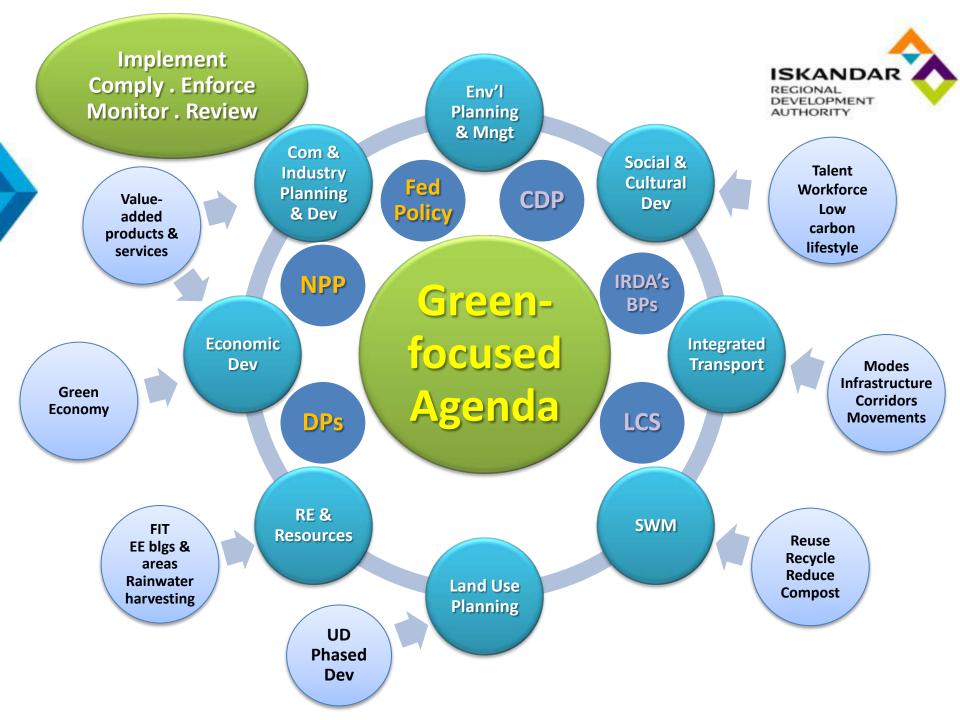
	ltem	Description
7	Region	Iskandar Malaysia 2,217 sq. km (550,000 acres)
	Base yr/Target yr	2005 and 2025
	Sectors/elements to be considered	Commercial, Industry, Transport, Residential, Power Supply City, Town, Natural Environment, Buildings
	Emissions	CO ₂ from fuel combustion Emissions from power sector to final energy demand sector Output from buildings e.g. aircon, electricity
	Proposed targets	Between 30-50% reduction of CO ₂ emission intensity of GDP by 2025, compared to 2005 levels.



Malaysia: Driving Forces of our Federal Policy



- Government Transformation Policy
- Tenth Malaysia Plan 2011-2015 (10MP)
- National Key Results Areas (NKRAs).
- New Economic Model towards a High Income Economy
- Climate Change and Innovation Policies setting up of the Ministry of Energy, Green Technology and Water (KeTTHA) & Ministry of Science, Technology and Innovation





To achieve Low Carbon Society status by 2025, what do we need to do? IRDA's Proposed Actions:

- Action 1: Walkable/Liveable/Green City
- Action 2: A Green Environment/nature conservation
- Action 3: Low Carbon Lifestyle
- Action 4: A Green Economy
- Action 5: Integrated Transportation
- Action 6: Energy-efficient buildings
- Action 7: Land Use Planning
- Action 8: Securing Funding



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IRDA Blueprints that promote Low Carbon Society



















Environmental Planning Blueprint: 5 Principles, 7 Strategies & 66 Initiatives



Environmental Principles

EPB Principle 1:

Integration of Environment and Development

EPB Principle 2:

Common but Differentiated Responsibility

EPB Principle 3:

Precautionary Principle

EPB Principle 4:

Pollution Prevention

EPB Principle 5:

Polluters Pay Principle

Environmental Thematic Areas

- Biodiversity and Habitat Management
- 2. Climate Change Management
- 3. Air Quality Management
- 4. River Water Quality Management
- 5. Geo-Terrain, Soil & Groundwater Management
- 6. Green Economy
- 7. Environmental Governance

Renewable Energy & Energy Efficiency Blueprint: Proposed initiatives and action plan: 3 main strategies and 16 initiatives



STRATEGIC INITIATIVES:

- District cooling and ice-storage
- Co-generation
- GIS for spatial planning
- Transport design and policy
- Integrated design and renovation (clusters)

3.

Ensure Energy
Efficient in
Infrastructure;
and Integrated
Design

1.
Ensure Energy
Efficiency in
Key Sectors

STRATEGIC INITIATIVES:

Codes and standards:

- Green building index
- Street lighting
- Education programmes
- Campaigns (labeling, types of appliances that save energy, good habits)
- Benchmarking
- Operation & maintenance

STRATEGIC INITIATIVES:

IM's own FIT incentives:

- Solar farms
- Rooftop solar PV
- Mini-hydro
- MSW
- Agricultural wastes
- Liquid wastes

2.

Promote & Support the Development of Renewable Resources



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Essential Mechanisms



Government:
Political Will
&
Commitment

Funding

LCS

Awareness-Raising & Public Involvement

Capacity-Building

"Do you Iskandar Malaysia?" Old habits die hard! Changed Mindset! How much do we care for our planet?



IRDA: Promote, lead and work closely with our Malaysian and Japanese teams in order to realise the aims and objectives of the Low Carbon Society project.

IRDA: Duty to protect our natural assets and resources, promote a green economy, integrate transportation, promote renewable energy, practise being green, reduce pollution, work towards zero waste, ensure that buildings are energy-efficient.

IRDA: Will transform how we shop, work, drive, rest and play. we will address and tackle GHGs and climate change.

Everyone must play a part; work together towards a common goal, i.e. achieving low carbon for all our societies.

Summary & Conclusion

- 1. The LCS Project for Iskandar Malaysia timely, anticipated & needed.
- We know what we want: "strong, sustainable metropolis of international standing". We have a robust development plan.
- 3. IM will help Malaysia achieve our PM's target of up to 40% reduction in CO₂ emission by 2020. IM proposes a target reduction of between 30-50% by 2025.
- 4. IRDA's Blueprints esp. EPB, RE, GBI, SWM and ACS, assist in achieving low carbon status. The LCS Project will enhance the BPs.
- The LCS will support and enhance IRDA's Green-focused Agenda where the environment is at the centre of our development and conservation policy.
- We will develop IM with our aspirations of a place to invest, work, live and play; as reflected in our proposed Action Plans for a Low Carbon Society.



Thank You

invest, work, live and play

