



GOVERNMENT OF MALAYSIA

# LAUNCHING OF GLOBAL COVENANT OF MAYORS FOR CLIMATE AND ENERGY IN MALAYSIA 21 MARCH 2019



## Introduction And Updates: Iskandar Malaysia Low Carbon Society

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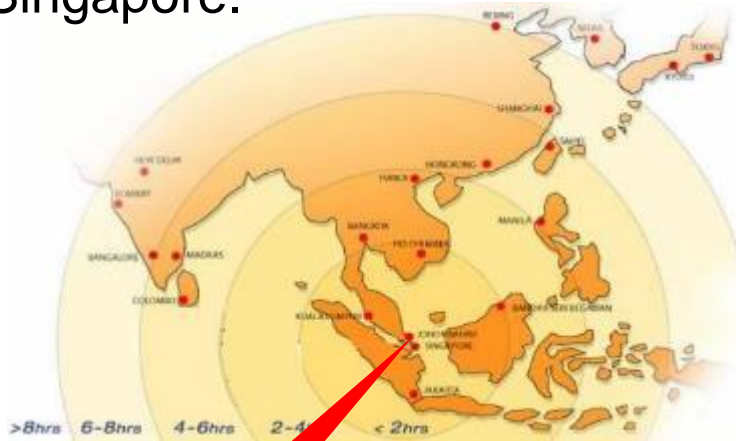
Iskandar Regional Development Authority (IRDA)



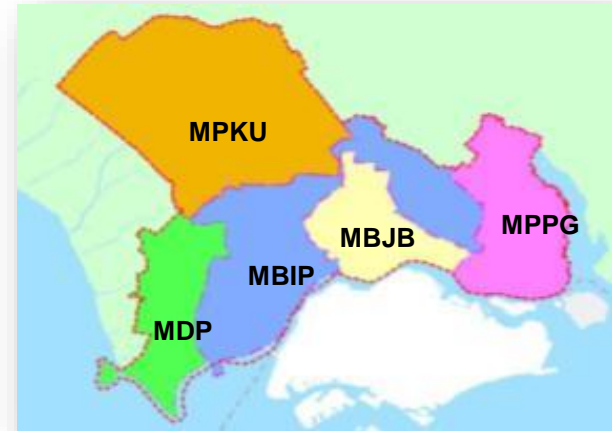
# Iskandar Malaysia

Iskandar Malaysia is located in the main southern development corridor in Johor.

Total area: 2,217 sq km (12% of Johor State); 3 times the size of Singapore.



Iskandar Malaysia covers FIVE local planning authorities.



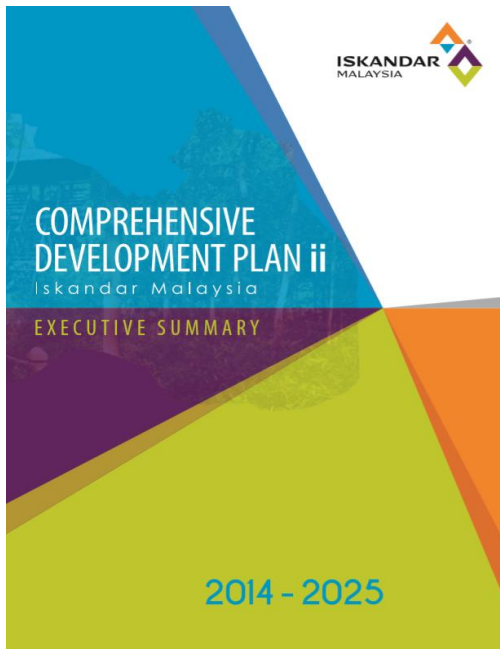
Indicator	2015	2025 (CDP II)
Population (mil)	1.95	3.0
GDP per capita (PPP) in RM	33,634	42,631
Labour Force (mil)	0.94	1.46
Employment (mil)	0.92	1.43

Source: Johor State Economic Report 2015/2016, Johor State Economic Planning Unit



# Iskandar Malaysia: Vision

## “Strong and Sustainable Metropolis of International Standing”



### Iskandar Malaysia Holistic Eco-system

A resilient ecosystem, anchored by wealth generators, creating regional wealth that is to be shared equally among communities. Wealth generation and wealth sharing, balanced by optimal use of ecological assets, to enhance the Quality of Life in Iskandar Malaysia, turning it into a leading global region. Together with this, spatial management and good governance would enable the realisation of its Vision and goals by 2025.



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# Low Carbon Society Blueprint For Iskandar Malaysia 2025



GLOBAL COVENANT of MAYORS for CLIMATE & ENERGY



Lima-Paris Action Agenda

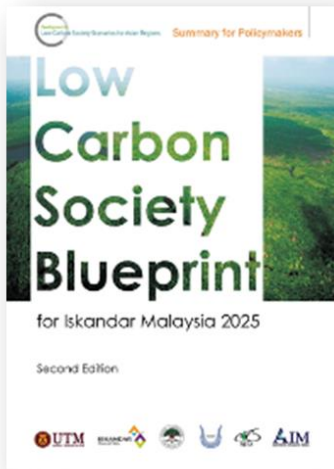


DOHA 2012 UN CLIMATE CHANGE CONFERENCE COP18|CMP8

58% reduction of GHG emission intensity (2010 base year)

40% emission reduction from BaU (business as usual) (2010 base year)

2025



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	

- Launched on 30 November 2012 at the UNFCCC in Doha, Qatar;
- Serves as a guide for policy-makers, businesses, NGOs and others into going green;
- 12 Actions grouped into 3 Themes with a total of 281 Programmes;
- Each Action contains an analysis, list of programmes and potential reduction of GHG emission;



# Low Carbon Society Blueprint project implementation: 60 of 281 programmes completed/on-going

## CASBEE ISKANDAR

A comprehensive built environment assessment tool customised for Iskandar Malaysia. **3 CASBEE Manuals** for Building, Municipal & City as well as pilot projects are completed.



Initiated in 2016, **Green Accord Initiative Award** is a recognition for green initiatives in townships, industrial and commercial buildings, and individual property.



**Building Energy Monitoring & Reporting System (BEMRS)** started in 2016 with a collaboration with Tokyo Metropolitan Government and 5 Local Authorities in Iskandar Malaysia.

## ISKANDAR MALAYSIA ECOLIFE CHALLENGE

On-going for the past 5 years. In 2018, there is an increase to 400 schools with 40,000 students involved. Winner of **RCE Okayama Global Award 2018**.



**Sungai Pulai Management Plan** is completed in 2017 with an aim to ensure the Ramsar site is well managed and serves as a carbon sink for IM.



**IM Partnership for Interdisciplinary Studies on Shoreline Ecosystems** aims to streamline coastal initiatives from public, private, local and scientific communities.



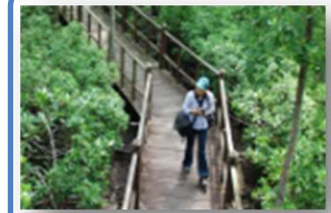
**Green Economy Guidelines** were prepared for IM 9 promoted sectors. Implementation is being done through advisory, business seminars, green projects etc.



**Responsible Tourism Development And Biodiversity Conservation** Started in Kg. Sg. Melayu, it is duplicated in other coastal areas of IM.



A collaboration between **Pontian and Toyama City** under the Future City Initiative, the **first floating hybrid mini hydro system in Asia** was installed on 21 February 2018 with a capacity of 1000W.



- i. Integrated Coastal Erosion Prevention Plan for Tg. Piai;
- ii. Gazettement of Sg. Pulai as a State Park;
- iii. Strategic enhancement of Kukup Island as a premier ecotourism destination.



# International Collaborations & Recognition



## SE4ALL – Sustainable Energy for All (under Global Energy Efficiency Program)

Iskandar Malaysia selected as 1 of 10 cities & regions, at the Climate Summit 23 Sept 2014 at the United Nations.

## IRDA is a partner to the Lima-Paris Action Agenda (under SE4All)

Two accelerator platforms:  
•Global District Energy in Cities Initiative  
•Building Efficiency Accelerator.

## Completed two studies for IM, in collaboration with the Centre for Low Carbon Cities:

- The Economics of Low Carbon Cities, 2014
- Policy Options for Low Carbon Cities, 2015

## The Organisation for Economic Cooperation and Development –

Joint study under the Urban Green Growth in Dynamic Asia (Green Cities programme), together with Bangkok, Hai Phong, & Bandung.

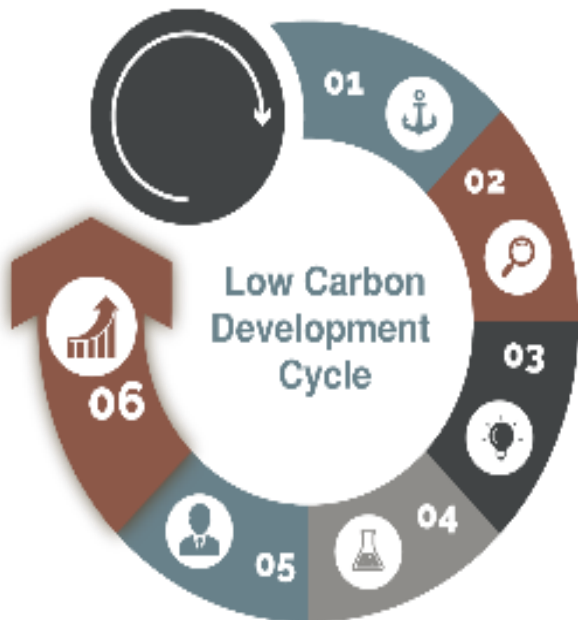
## IM is the member for GCOM -Global Covenant of Mayor for Climate Energy

GCOM is the largest, global coalition of mayors and local officials with over 9,100 commitments from around the world.



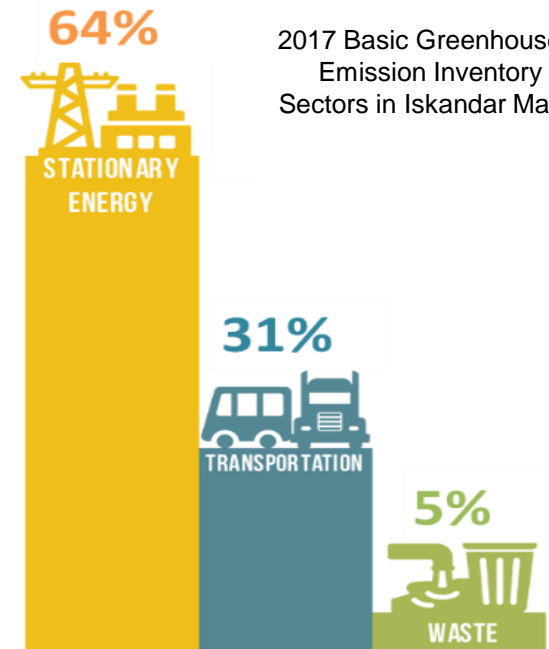
# Iskandar Malaysia Greenhouse Gas (GHG) Inventory 2017

- Iskandar Malaysia has completed **6 stages** of the **Low Carbon Development Cycle** (2011-2016: Research/Science to 58% targeted reduction by 2025 to programme implementation). **Stage 6** of the cycle – **Tracking Performance of Implemented Low Carbon Society programmes** -→ Iskandar Malaysia Greenhouse Gas Inventory 2017.
- Emission intensity per GDP in the year 2017 is 0.2158 kilo tonnes of carbon dioxide per million ringgit Malaysia (ktCO<sub>2</sub>/RM Million), which marks a **13 %** reduction compared with 2010 emission intensity of 0.2483 ktCO<sub>2</sub>/RM Million.



Low Carbon Development Cycle

- Step 01: Base year inventory
- Step 02: Future scenario analysis
- Step 03: Target setting
- Step 04: Action plan
- Step 05: Implementation
- Step 06: Tracking performance



2017 Basic Greenhouse Gas Emission Inventory by Sectors in Iskandar Malaysia



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# Thank you

**Iskandar Malaysia Green Portal**  
**[www.iskandarmalaysia.com.my/green](http://www.iskandarmalaysia.com.my/green)**



Please scan the QR code to access the above link.

