Low Carbon Society Implementation:
Building a Strong and Sustainable Metropolis and Future City
International Forum on 'FutureCity' Initiative in Malaysia, 08 Feb 2015

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ISKANDAR   Here and Now

Towards Low Carbon Iskandar Malaysia 2025

Sustainability
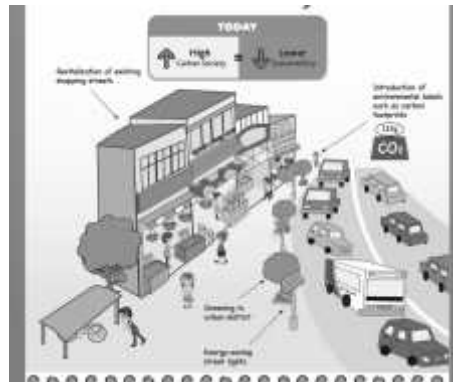
Low Carbon Society

Today Iskandar Malaysia
High Carbon Society, Lower Sustainability
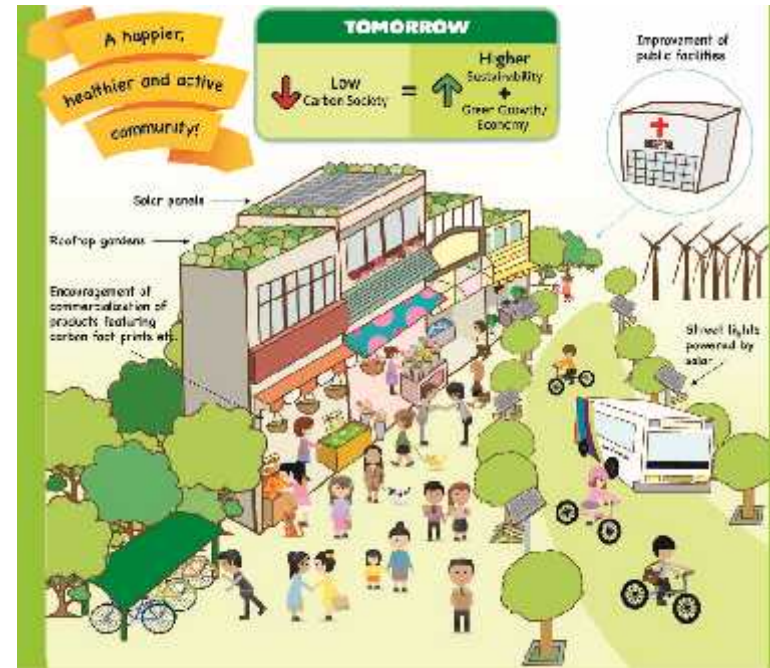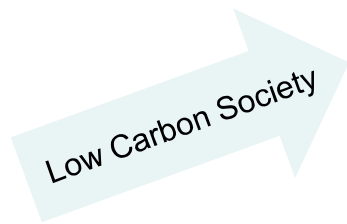
Tomorrow Iskandar Malaysia
Low Carbon Society, Higher Sustainability, Green Growth/ Economy

Present
2010

Future
2025

Year

ISKANDAR MALAYSIA   Here and Now

Background: Chronology of the Need to Develop Low Carbon Cities & a Low Carbon Region

Malaysia's Commitment: COP15 Copenhagen (17 Dec 2009)
YAB Datuk Seri Najib Razak, Prime Minister: "... voluntary reduction up-to-40% in terms of emission intensity of GDP by the year 2020 compared to 2005 levels". **2014 – achieved 30%**

Low Carbon Society Blueprint for Iskandar Malaysia 2025
Global launching COP18 (Doha) Nov 2012
Implementation Booklet 'Actions for a Low Carbon Future", COP19 (Warsaw), Nov 2013; Mini-Stern Report - The Economics of Low Carbon Cities, June 2014 (by Leeds University).

Smart City Framework for Iskandar Malaysia – Nov 2012
Green as New Consumer Culture, New Market, New Growth with Green Credentials
- Preparing LCS Action Plans for 5 LAs in Iskandar Malaysia
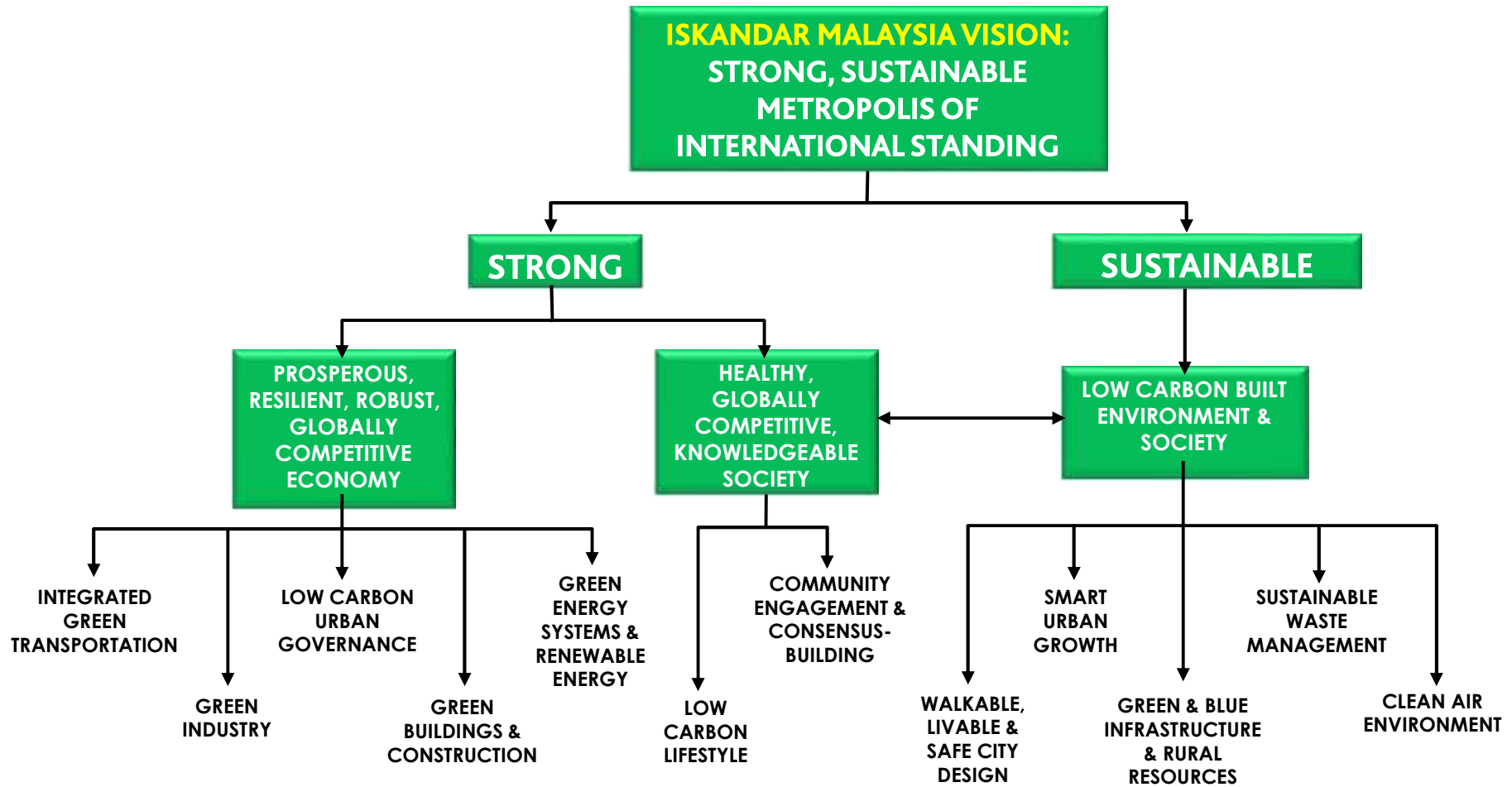- Joint OECD Study – Urban Green Growth Cities

SE4ALL – Sustainable Energy for All initiative (under Global Energy Acceleration Platform program (GEEAP)
Iskandar Malaysia and Toyama City – selected at the Climate Summit 23 Sept 2014 at the UN – LOU will be signed today to explore business and other collaborations.

Green-focused Agenda - Rationale

Aligning IM's Vision with Low Carbon Society Development

ISKANDAR MALAYSIA VISION:
STRONG, SUSTAINABLE METROPOLIS OF INTERNATIONAL STANDING

STRONG

SUSTAINABLE

PROSPEROUS, RESILIENT, ROBUST, GLOBALLY COMPETITIVE ECONOMY

HEALTHY, GLOBALLY COMPETITIVE, KNOWLEDGEABLE SOCIETY

LOW CARBON BUILT ENVIRONMENT & SOCIETY

INTEGRATED GREEN TRANSPORTATION

GREEN INDUSTRY

LOW CARBON URBAN GOVERNANCE

GREEN BUILDINGS & CONSTRUCTION

GREEN ENERGY SYSTEMS & RENEWABLE ENERGY

COMMUNITY ENGAGEMENT & CONSENSUS-BUILDING

LOW CARBON LIFESTYLE

SMART URBAN GROWTH

WALKABLE, LIVABLE & SAFE CITY DESIGN

GREEN & BLUE INFRASTRUCTURE & RURAL RESOURCES

SUSTAINABLE WASTE MANAGEMENT

CLEAN AIR ENVIRONMENT

Projected Greenhouse Gas Emission Reduction in Iskandar Malaysia
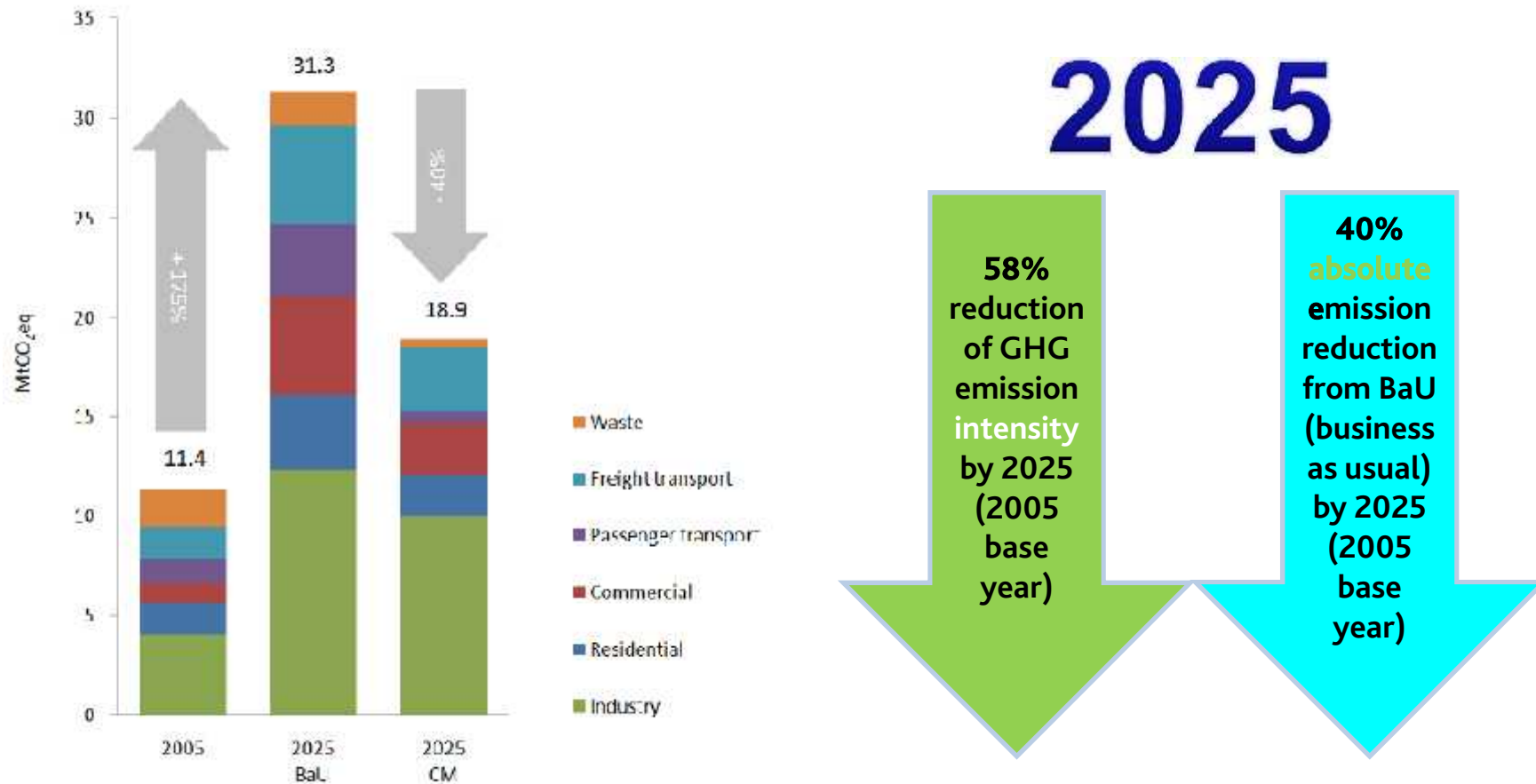

Figure 1: GHG emissions by sectors

Integrated Green Transportation – Mobility Management System

Iskandar Malaysia Mobility Management System (MMS) promotes sustainable transport and manages the demand for car use by changing travelers' attitudes and behaviour.

MMS coordinates information, services and activities to optimise the effectiveness of urban transportation.

Innovative approach in managing and delivering coordinated transportation services to customers, including the elderly, people with different abilities and low income population.

The use of E-Vehicles (recently introduced in IM) is also a good move.

ISKANDAR MALAYSIA   Here and Now

2. Green Economy Guidelines

Nine sector-specific GEG manuals for businesses

Green Economy Guidelines provide a **comprehensive guidance manual** for the 9 sector pillars being promoted in Iskandar Malaysia.

GEG provides a way on how companies, businesses and the public can go green by adopting green practices in their business operations, how their factory is run, freight transportation, services and procurements.

GEG will help transform Iskandar Malaysia into a low carbon green growth economy and region.

Public Version of the GEG will be available on IM's website by end Feb 2015.
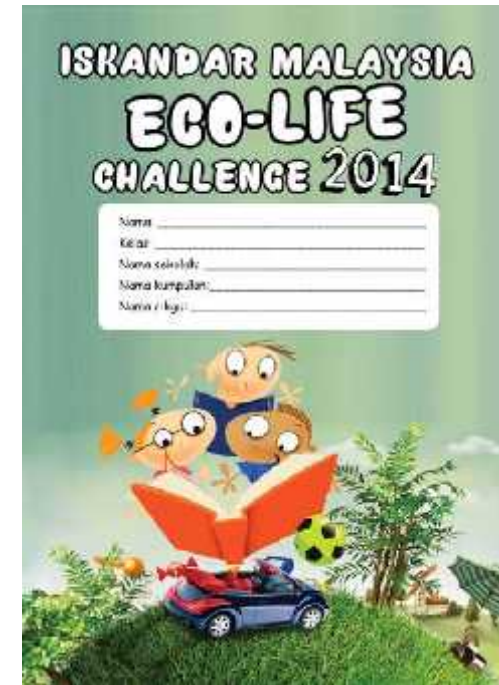
3. Eco life Challenge Programmes

198 primary schools in Iskandar Malaysia:

23 primary schools got involved on 2013; and 80 schools in 2014. The winning schools visited Kyoto City, Japan.

Remaining 95 schools will compete in 2015.

RCE ISKANDAR MALAYSIA

The Iskandar Malaysia Eco-Life Challenge Project focuses on energy household accounting. School children track the energy consumption, waste generation and management, travelling choices, frugal consumption and utilizing renewable energy resources (sunlight). AIM: to raise children's awareness level on low carbon aspects.

9. Low Carbon Village Felda Taib Andak

The programme was started by UTM in 2012, together with IRDA and Japan agencies.

Using LCSBPIM 2025 as the platform, the Felda Taib Andak community formulated "A Dozen Actions" document for their area to achieve their combined vision of creating a village that is low carbon.

FTA will become a model Low Carbon village in Malaysia.

THANK YOU

ISKANDAR REGIONAL DEVELOPMENT AUTHORITY (IRDA)

UTM-LOW CARBON ASIA
RESEARCH CENTRE

YOUR GUIDE TO
Low Carbon Lifestyles
IN ISKANDAR MALAYSIA

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