



# MELAKA SUSTAINABLE CITIES & GREEN EXHIBITION 2017

2 & 3 MAY 2017  
AVILLION LEGACY HOTEL MELAKA

Organized by:



In cooperation with:



WORLD BANK GROUP



GLOBAL ENVIRONMENT FACILITY  
INVESTING IN OUR PLANET

## Session 1

- Welcoming Remarks
- Opening Remarks
- Messages from International Partners
- Project Launching
- Exhibition Hall Visit



## Session 2

- Open Forum 1
  - Smart Cities As An Enabler To Support Sustainable Development Integrated Approach
- Open Forum 2
  - Competitive Cities in urban Sustainable Development



## Session 4

- Capacity Building
- City Carbon Inventory
- Municipal Financing
- Competitive Cities
- Bio-Degradable Packaging Implementation in Cities



## Session 3

### Knowledge Deepening

- Sustainable Cities & Indicators
- Report on System of Competitive Cities for Malaysia
- Melaka as 100 Resilient Cities by Rockefeller Foundation
- Predictive City Planning through Satellite Imaging

## OVERVIEW

The Sustainable City Development in Malaysia Project has been successfully launched on 2 May 2017 at Avillion Legacy Hotel Melaka by Honorable Chief Minister of Melaka in conjunction with Melaka Sustainable Cities Conference and Green Exhibition 2017.

The launching ceremony was held at Pacific Ballroom and were attended by Deputy Secretary General of Ministry of Urban Wellbeing, Housing and Local Government, Managing Director of United Nations Industrial Development Organization (UNIDO), World Bank Program Manager, Melaka Excos and many other federal and state government representatives together with private sectors representatives.

The Melaka Sustainable Cities Conference and Green Exhibition 2017 event was marked as the first milestone of the Project Implementation stage of Sustainable City Development in Malaysia (2017 – 2022).

During the event, speakers from international bodies such as UNIDO, World Bank, ICLEI, Rockefeller Foundation, Austrian Institute of Technology (AIT), together with local speakers from PLANMalaysia, MIGHT and MDEC shared their views and knowledge on current issues of cities with the participants throughout the 2-days event. Total participants for the event are 500.

## MOMENTS: OPENING CEREMONY & LAUNCHING





## MOMENTS: OPENING CEREMONY & EXHIBITION



## SESSION 1: OPENING CEREMONY & LAUNCHING



*Datuk Dr Mohd Yusoff Sulaiman, President and Chief Executive Officer, Malaysian Industry Government Group for High Technology (MIGHT)*

### Welcoming Remarks

"Sustainable Cities align our economic development to the Sustainable Development Goal (SDG). It is more structured and integrated approach "



*Ms. Naoko Ishii, CEO and Chairperson for the Global Environment Facility (GEF)*

### Message from GEF

"In five to ten years time, Melaka will act as a national and global ambassador on how to do sustainable city planning right with tangible benefits at both local and region levels."



*Ms. Xueman Wang, Program Manager, Global Platform for Sustainable Cities (GPSC), World Bank*

### Message from The World Bank

"Melaka is not only the World Heritage City. Melaka is championing of Urban Sustainability."



*Mr. Philippe R. Scholtes, Managing Director, United Nations Industrial Development Organization (UNIDO)*

### Message from UNIDO

"With the strong partnership, this project can only succeed and shine as an example for the rest of the world."



*YB Tan Sri Noh bin Hj Omar, Minister of Ministry of Urban Wellbeing, Housing, and Local Government (KPKT)*

### Opening Remarks

"I hope, through this program, it would intensify and provide greater impact on the sustainability of the cities."



*YAB Datuk Seri Utama Ir. Hj Idris bin Hj Haron, Chief Minister of Melaka*

### Speech and Launch of Project

"I would like to express my utmost gratitude and sincere appreciation to the Global Environmental Facility (GEF) for giving Melaka the opportunity to be part of the 27 cities in 11 developing countries for the GEF6: sustainable Cities Integrated Approach Pilot Program."





## SESSION 2: OPEN FORUM 1



*Prof. Dr. Mohd Hamdan Ahmad, Executive Director from Sultan Iskandar Institute (ISI), Urban Habitat & Sustainability (University of Technology Malaysia (UTM))*

- a. Roles of UTM ISI in Sustainable Development(SD) Sustainable Network.
- b. Socio economic growth in M40.
- c. Key Initiatives by UTM in SD.
- d. SD Goals.
- e. Latest Research findings in Malaysia on Sustainable Development and gaps.



*Tuan Hj. Norsallehi bin Kassim, Senior Principal Town Planner, PLANMalaysia*

- a. PLANMalaysia play an important role in smart city development project such as to advise the Federal Government on the use and development planning matters for the national land. PLANMalaysia also acting as the Secretariat to the National Physical Planning Council.
- b. PLANMalaysia is on the planning framework to transform the garden city to smart city.



*Ms. Katarina Barunica Spoljaric, Associate Industrial Development Expert, UNIDO*

- a. Global megatrend is currently go into the rapid urbanization.
- b. UNIDO has strategy in smart cities via development interventions by promoting inclusive and sustainable Industrial development (ISID), synergy to decouple economic growth and environmental degradation and supporting SDG agenda covering SDG 7, SDG 9 & SDG 11.
- c. Partnership for innovation smart city development require financing mechanism, knowledge management and community engagement.



*Mr. Mahalil Amin, Assistant Vice President of MIGHT*

- a. Global Science and Innovation Advisory Council (GSIAC) is to provide strategic advice on the science and technology to the Prime Minister Department as well as increasing bilateral trade and investment.
- c. Recently GSIAC forming the smart city alliance (GSCA) in India 2017 where can add value via acquiring the insight and experience from international level especially from the subject matter experts



*Mr. Somasundaram, MDEC*

- a. Digital economy contribution to the GDP (significant portion in 2015) at 17.8 % equivalent to RM 206.1 Billion.
- b. MDEC function; driving investment, building local tech companies like Alibaba from China, catalyzing digital innovation ecosystems, propagating Digital Inclusivity. Key areas MDEC looking at: cloud, Internet of Things (IoT), information security, Big Data Analytics (BDA), Financial technology (FinTech) and E-commerce.



## SESSION 2: OPEN FORUM 2



*Prof. Dr. Mohd Hamdan Ahmad, Executive Director from Sultan Iskandar Institute (ISI), Urban Habitat & Sustainability (University of Technology Malaysia)(UTM))*

- a. Roles of UTM ISI in Sustainable Development Sustainable Network towards Competitive Cities.
- b. Leadership & Governance on Socio economic growth in M40 to support Competitive Cities.
- c. Development of Strategic Policy on SD.
- d. Nation building program on SCD, SD Goals.



*Mr. Saurabh Gaidhani, Program Manager Asia Pacific, City and Practice Management, 100Resilient Cities (100 RC)*

- a. 100RC partners with cities around the world to help them become resilient to the social, economic and physical challenges for 21st century.
- b. Urban resilience is the capacity of individuals, communities, institutions, businesses and systems within a city to survive, adapt and grow no matter what kinds of chronic stresses and acute shocks they experience.



*Ms. Xueman Wang, Ms. Xueman Wang, Program Manager, Global Platform for Sustainable Cities (GPSC), World Bank*

- a. Urban Sustainability Framework (USF) is a framework which will be detailing inside the Spatial Data and Indicator Dimensions e.g. Urban Form, Economy, Resource Efficiency, Environment, People.
- b. USF will also support the mitigation of Climate Change (Low Carbon & Resilience) Cities, and full commitment from Governance and Finance.



*Mr. Philippe R. Scholtes, Managing Director, United Nations Industrial Development Organization (UNIDO)*

- a. Industry matters in competitive cities where industry will remain important sector of the urban economy and carbon footprint even the cities are shifted towards the services.
- b. Value chain and enterprise development along economic and industrial corridors. The action plan from the investment promotion to the matching stage with the local players in the value chain and later promoting the urban technology and knowledge sharing.



*Dr. Ramli Bin Nordin, Deputy Director K-Economy, Economic Planning Unit*

Governments have an important role to play in the delivery of effective and efficient urban services and infrastructure. They need to design and support policies for land and housing markets; raise and equitably redistribute revenues; and promote a safe and sustainable urban environment through strong institutions, both at the national and local level.



## SESSION 3: KNOWLEDGE DEEPENING



*Mr. Jossy Thomas, Industrial Development Officer, Renewable and Rural Energy Division, Department of Energy (UNIDO)*

- a. Indicators are very essential as 'if you can't measure it, you can't manage it'.
- b. However, it requires collaborative effort by the involving agencies and to create measurable indicators. For national rollout.
- c. Global City Indicators Facility (GCIF) could be referred since more than 250 GCIF member cities participate in the GCIF.



*Ms. Xueman Wang, Program Manager, Global Platform for Sustainable Cities (GPSC), World Bank*

Physical and Structural Transformation of Malaysia needs to ensure Cities remain competitive in terms of economic, job employment, social development, and income distribution. Also to focus on the land usage regulation, to support Urban Sustainable Framework.



*Mr. Joshua Gallo, Senior Municipal Financial Specialist (World Bank)*

- a. Concept of creditworthiness, need to demonstrate to private sector. Currently 4% creditworthiness in international market and less than 20% in domestic market.
- b. Cities are generating, receiving, and spending very small fractions of what is needed.
- c. By enhancing creditworthiness, direct access to capital markets will be accessible.



*Mr. Saurabh Gaidhani, Program Manager Asia Pacific, City and Practice Management, 100Resilient Cities*

- a. Urban Transformation Program is required to be well planned as to ensure Urban Resilience to the city populations.
- b. For a Resilient city, environmental degradation will not be tolerated but can be improved.



*Prof. Dr. Reinhard König, Senior Scientist, AIT (Austrian Institute of Technology GmbH Vienna, Austria)*

- a. Research activities under AIT including performance simulation for all possible spatial configurations covering social, economic performance, neighborhood condition etc. The data will help the decision maker for city planning based on the optimized solution.
- b. AIT is also conducting urban cognition on the social emotion and how people perceive the environment of the city.





## SESSION 4: CAPACITY BUILDING



*Mr. Nikhil Sakharam Kolse Patil, Manager (Energy & Climate), ICLEI - Local Governments for Sustainability, South Asia*

Overview of ICLEI and participating countries, GHG emissions inventory, strategizing and implementing low carbon actions, monitoring and recommending actions for City Councils. Harmonized Emissions Analysis Tool plus (HEAT+ is a Robust Tracking and Management of Local Governments and Provincial Greenhouse Gas Emission.



*Mr. Joshua Gallo, Senior Municipal Financial Specialist (World Bank)*

Multi-year budgeting essential to enhance creditworthiness, but it restricts the flexibility of shifting of revenue and expenditures across years. No deficit budgeting. Balance budget required annually and over five years. Also 5-year Capital Budget.



*Mr. Nasrul Hadi Jukun Nain, Town Planner Officer, Research and Development Division, PLANMalaysia*

Malaysian Urban Rural National Indicators Network on Sustainable Development (MURNInets) was developed to determine level of sustainability of cities, identify strengths, identify opportunities and as a measuring tool. There is Buy-in factor and support to MURNInets on-line monitoring from local city councils. It is crucial to ensure alignment of MURNInets indicators with the Economic Planning Unit (EPU) indicators set for Competitive Cities in 11<sup>th</sup> Malaysia Plan.



*Mr. Jossy Thomas, Industrial Development Officer, Renewable and Rural Energy Division, Department of Energy (UNIDO)*

Cities are the engines of productivity and growth essential for the growth of regions and nations. While cities around the world will shift toward services, industry will remain an important sector of the urban economy and carbon footprint.





## SESSION 4: CAPACITY BUILDING



*Mr. Zainal Azman Abu Kassim, Senior Vice President of BioIndustrial, Division (Malaysian Bioeconomy Development Corporation)*

Local Industry Development have four driving forces; 1. changing consumer preference toward eco-friendly packaging 2. Gov Mandates and support 3. The growing prominence of bioplastic 4. The emergence of bio-based and renewable raw material. Cost factor, supply capacity (starch as feedstock), lack of industry cohesiveness, limited legislation and regulations are among challenges that the industry have to face.



*Datuk Nik A. Faizul Abd. Faizul, National Project Director for Sustainable City Development in Malaysia*

The integration of city elements is a crucial enabler to ensure city competitiveness through big data integration, analytics and visualisations tools to support city decision making, predictive city planning and forward looking city policies.



*Dr. John William, Director, Aquapak Polymers Limited*

The market for green biodegradable products has significantly increased in Malaysia due to good policy initiatives by the government. This will attract global technology companies and investors to Malaysia to support this agenda locally and the region.



*Ms. Tan Yong Nee, Head of Pollution Abatement Section, Environmental Technology Research Centre, SIRIM*

In supporting the greening of cities through the Bio-Degradable Food Packaging initiatives, SIRIM as the certification enabler has developed for the Malaysian market the related standard on ECO 1 and ECO 9 to guide the testing of related products and implementation of the initiatives.



Ministry of Urban Wellbeing,  
Housing and Local Government



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## INTERVIEWS



*Prof. Dr. Reinhard König, Senior Scientist, AIT (Austrian Institute of Technology GmbH Vienna, Austria)*

"My vision for Sustainable City of the future is the people living in the city they have the control of the city. They participate in the design of the city. The technology is design to the needs of the people live there with good quality of life."



*Datuk Hj Kamarudin Bin Md Shah, CEO of Melaka Green Technology Corporation*

"Melaka is moving towards Green City State. Melaka has been selected as a model city by Indonesia-Malaysia-Thailand Golden Triangle (IMT-GT). The selection of Melaka for the Sustainable City Development in Malaysia by UNIDO will enhance our role."



*Datuk Nik A. Faizul Abd. Faizul, National Project Director for Sustainable City Development in Malaysia*

"This Project will form as a strategic platform for national alignment and synergisation of multiple stakeholders related to the city agenda."



*Mr. Samsuddin Zainal, General Manager, Bionic BCI Malaysia Sdn. Bhd.*

"We are a joint-venture company between Malaysia and Thailand. We are involve in solid waste and waste water management. Our product will help to eliminate fat, oil and grease and also fermentation. We treat kitchen waste to be by-product like detergent and compost."



*Mr. Ramaness Parasuraman, Founder and CEO of Free The Seed Sdn. Bhd.*

"We are a Malaysian Company working on R&D and manufacturing of bio-degradable packaging product by 2025. We want to be among the top 10 of bio-degradable packaging company in the world. We are one of the 26 companies in the world that have all the international standard specifications for bio-degradable packaging. All our product are food safe and environmental friendly."





## INTERVIEWS



*Mr. Jossy Thomas, Industrial Development Officer, Renewable and Rural Energy Division, Department of Energy (UNIDO)*

"UNIDO is a specialized agencies UN system working on the improvement and reducing the negative effect of unprecedented growth in the economy. Through our sustainable cities program, we are supporting the cities in reducing their carbon footprint by improving the resource efficiency and promoting the use of renewable energy system."



*Mr. Saurabh Gaidhani, Program Manager Asia Pacific, City and Practice Management, 100Resilient Cities*

"Urban resilience is Cities, Communities, you and me to adapt, survive and grow with respective of any of future challenges. A city which knows its future and understand and addresses its problem will thrive any challenges which are thrown at them."



*Ms. Xueman Wang, Program Manager, Global Platform for Sustainable Cities (GPSC), World Bank*

"Sustainable City is defined in four dimensions. 1. Economic front - How city could be more competitive by creating jobs and how easy to make business. 2. Environmental sustainability- how to manage GHG emission. 3. Inclusiveness - how the poor have access to better health and education services in the urban area. 4. Urban identity - the citizen connection to the cities."



*Mr. Joshua Gallo, Senior Municipal Financial Specialist (World Bank)*

"Municipal financing – to help cities to think the long term financial sustainability of their project. You need to be able to afford the investment and you need to be able to attract investors that will help to finance the project."



*Mr. Mahalil Amin, Assistant Vice President of MIGHT*

"MIGHT is sharing about GSIAC Smart Cities Alliance which was launched by our honorable Prime Minister in New Delhi on the 3 April 2017. The GSIAC Smart Cities Alliance is to establish a global platform among the stakeholders with international collaborators in achieving our national agenda. By establishing the platform, we are establishing the measurement and indicators on how to establish smart cities."



## CONFERENCE

- 20 speakers/trainers from local and abroad.

### Program Highlights

#### Open Forum 1 - Smart Cities as an Enabler to support Sustainable City Development Integrated Approach

- Moderator - Prof. Dr. Mohd Hamdan Ahmad, Executive Director from Sultan Iskandar Institute, Urban Habitat & Sustainability, University of Technology Malaysia
- Panelist 1 – Tn. Hj. Norsallehi bin Kassim, Senior Principal Town Planner, PLANMalaysia
- Panelist 2 – Ms. Katarina Barunica Spoljaric, UNIDO
- Panelist 3 – Mr. Mahalil Amin, Assistant Vice President of MIGHT
- Panelist 4 - Mr. Somasundaram, MDEC

#### Open Forum 2 - Competitive Cities in urban Sustainable Development

- Moderator -- Prof. Dr. Mohd Hamdan Ahmad, Executive Director from Sultan Iskandar Institute, Urban Habitat & Sustainability, University of Technology Malaysia
- Panelist 1 – Mr. Saurabh Gaidhani, Program Manager Asia Pacific, City and Practice Management, 100Resilient Cities
- Panelist 2 – Ms. Xueman Wang, Senior Urban Specialist and Program Manager for the World Bank
- Panelist 3 – Dr. Ramli Bin Nordin, Deputy Director K-Economy, Economic Planning Unit

#### Knowledge Deepening Seminar

- Topic: Sustainable Cities and Indicators  
Speaker: Mr. Philippe R. Scholtès, Managing Director, UNIDO
- Topic: Report on System of Competitive Cities  
Speaker: Ms. Xueman Wang, Senior Urban Specialist and Program Manager for the World Bank
- Topic: Municipal Financing  
Speaker: Mr. Joshua Gallo, Senior Municipal Finance Specialist, World Bank
- Topic: Melaka as 100 Resilient Cities by Rockefellers Foundation  
Speaker: Mr. Saurabh Gaidhani
- Topic: Predictive Cities Planning through Satellite Imaging  
Speaker: Prof. Dr. Reinhard König, Senior Scientist, AIT, Austrian Institute of Technology GmbH Vienna, Austria

#### Capacity Building

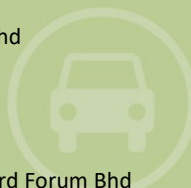
- Topic 1: City Carbon Inventory by International Council for Local Environmental Initiatives (ICLEI)  
Trainer: Mr. Nikhil Sakharam Kolse Patil, Manager (Energy & Climate), ICLEI - Local Governments for Sustainability, South Asia
- Topic 2: Municipal Finance by The World Bank  
Trainer: Mr. Joshua Gallo
- Topic 3: Competitive Cities  
Speaker 1 : Mr. Muhammad Nasrul Hadi bin Jukun Nain, Town planner, PLANMalaysia)  
Speaker 2 : Mr. Jossy Thomas, Industrial Development Officer, Renewable and Rural Energy Division, Department of Energy, UNIDO  
Speaker 3: Datuk Nik A. Ahmad Faizul, National Project Director, Sustainable City Development in Malaysia Project
- Topic 4 : Bio-Degradable Packaging Implementation in Cities  
Speaker 1: Mr Zainal Azman bin Abu Kasim, Senior Vice President of BioIndustrial Division, Malaysian Bioeconomy Development Corporation  
Speaker 2: Ramaness Parasuraman, Founder & CEO, Free The Seed Sdn. Bhd  
Speaker 3: Ms. Tan Yong Nee, Head of Pollution Abatement Section, Environmental Technology Research Centre, SIRIM  
Speaker 4: Dr. John William, Director, Aquapak Polymers Ltd  
Speaker 5: Dr. John Oakley, Director – Asia, Aquapak Polymers Ltd

## EXHIBITIONS

- There are 31 exhibitors from various sectors – i.e., Government, Government Link Company (GLC), Private and NGOs.

#### List of Exhibitors: -

- Melaka Historical City Council (MBMB)
- Melaka Green Technology Corporation (PTHM)
- Alor Gajah Municipal Council (MPAG)
- SW Corp. Melaka
- PPSPM (Melaka River Cruise)
- Pertubuhan Rcomm Lestari
- Pertubuhan Sahabat Alam Sekitar
- Meriahtek (M) Sdn Bhd
- Kelantan Ict Gateway Sdn Bhd
- Universiti Kuala Lumpur
- Weimar Enterprise Sdn Bhd
- Ss Enterprise
- Zen Trillion Sdn Bhd
- Malaysian Technical Standard Forum Bhd
- Telekom Malaysia
- Bionic Bci Malaysia Sdn Bhd
- Cenergi Sea Sdn Bhd
- Empire Green Industries Sdn Bhd
- Go Automobile Manufacturing Sdn Bhd
- Ligetech Automation Sdn Bhd
- Philips Lighting Commercial (M) Sdn Bhd
- Gading Kencana Sdn Bhd
- Lybase Sdn Bhd
- Titan Ledway Sdn Bhd
- Aquapak Polymers Sdn Bhd
- Free The Seed Sdn Bhd
- Rtm Melaka
- Tenaga Nasional Berhad (Tnb)
- Naza Auto Solutions (Asia) Sdn Bhd
- Cenviro Sdn Bhd
- Zen Sports Sdn Bhd
- UNIDO & World Bank



## VISITORS & ATTENDEES

- There are more than 500 attendees and visitors during the 2-Day event.

#### TOTAL ATTENDEES/VISITORS DURING THE 2-DAY EVENT

