

46th EAROPH REGIONAL CONFERENCE

Iskandar Malaysia

Thistle Hotel, Johor Bahru, 19th - 20th November 2013



Transforming Cities :
'Spatial and Socio-economic Dimensions'

Organized by

Eastern Regional Organisation for Planning and Human Settlement



Hosted by

Iskandar Regional Development Authority



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WELCOME MESSAGE FROM SECRETARY GENERAL

Greetings All and Welcome to the 46th EAROPH Regional Congress 2013 in Iskandar Malaysia. This 2 days Congress will bring in 17 experts from all across the globe to speak to you and share with you their ideas, knowledge, findings and experiences that addresses the most pressing issues faced by cities today - Urbanisation. This phenomena has brought about much challenges and threats to the environment as well as affects the livelihood of mankind.

Today cities and regions are exploring solutions that can be adopted to solve their urban problems. Some solutions have transformed these cities and nations and made them livable and sustainable - which is a key ingredient of cities today.

Congress Proceedings

This Congress will provide you with insights to some of these transformational efforts which stretches across the four main dimensions of balanced spatial development and technological interventions; positive social ramifications, economic growth and transformation as well as excellence in governance.

Congress participants will be able to listen to various research findings, plans and actions as well as process and methodologies that has or will contribute to positive transformation of cities and regions. 3 Keynote Speakers will set the tone of the 2-day proceedings and 13 papers will be presented in four World Cafe sessions that runs parallel over a one-half day event. We sincerely hope this will provide you with an opportunity to seek ways that will best achieve desired aspirations.

Iskandar Malaysia

The Congress is held in Iskandar Malaysia; an economic development region of the Peninsular of Malaysia that was established on the 30th July 2006. With an area of 2,217 sq.km., Iskandar Malaysia is administered by Iskandar Regional Development Authority (IRDA), our host for this 46th EAROPH Regional Congress. Since its inception, Iskandar Malaysia has transformed into a fast developing region affecting the lives of its 1.6 million population. IRDA will share with us this transformational growth process in a special session on Day 2 : Iskandar Malaysia Sustainability Summit. A Technical Visit has also been arranged parallel to this session where participants will be able to see the Iskandar Malaysia's plan transforming the region.

Congress Spirit

EAROPH Congress travels to cities and countries within its EAROPH region providing a platform for networking and sharing among individuals and organisations on matters that concerns the human settlement. This is the 4th time we are here in Malaysia and thus we hope this Congress in Iskandar Malaysia will foster new friendship and acquaintances among participants.

We also hope all Congress participants will take time to enjoy the charm of Johor Bahru; Malaysia's southernmost city and gateway into Peninsular Malaysia. Founded in 1855, the City has more than 158 years of history, thus I am sure our visiting participants from countries afar will find Johor Bahru fascinating and interesting.

We sincerely hope that you will all have a fruitful Congress and we thank you all for coming and participating in this 2013 EAROPH's event.

Warm regards

ABOUT EAROPH



EAROPH is an international non-government and multi-sectorial organization that encompasses the private, public and academic sector to foster the exchange of insights and experiences among countries in the EAROPH region. EAROPH is also accredited by UNESCAP and UN-Habitat and has close collaborations with related world organisations.

It promotes a better understanding of Human Settlements and encourages excellence in planning, development and management to improve the quality of life and sustainability of human settlements.

Originally formed as a Regional Chapter of the International Federation for Housing and Planning (IFHP) in 1954, EAROPH covers the East-Asia Region and these include countries in Asia, Australasia and the Pacific region (Among its members are Japan, South Korea, Australia, New Zealand, Indonesia, India, Hong Kong, Philippines, Bangladesh, Thailand etc). With rapid urbanization in the eastern region, there was a need for EAROPH to be more aggressive and active in dealing with matters in this region and in 1980, it was declared as an autonomous international organisation, equal to the status of IFHP.

The EAROPH secretariat is in Kuala Lumpur, it moved from India in 1978 as a result of the Malaysian Government's agreement to provide a grant for its operations via the Ministry of Housing and Local Government Malaysia. Hence till today, the office of the Secretary General has been in Kuala Lumpur and supports efforts and initiatives that will provide for better quality of life and encourage the sharing of new knowledge in planning and housing human settlements.

For More Information, please visit us at www.earoph.info



ABOUT THE ORGANIZER



The Iskandar Regional Development Authority (IRDA) is a Malaysian Federal Government statutory body tasked with the objective of regulating and driving various stakeholders in both public and private sector towards realizing the vision of development Iskandar Malaysia into a strong and sustainable metropolis of international standing.

IRDA's statutory powers and functions are designed to achieve the above objective and include the following core functions in summary:

Planning

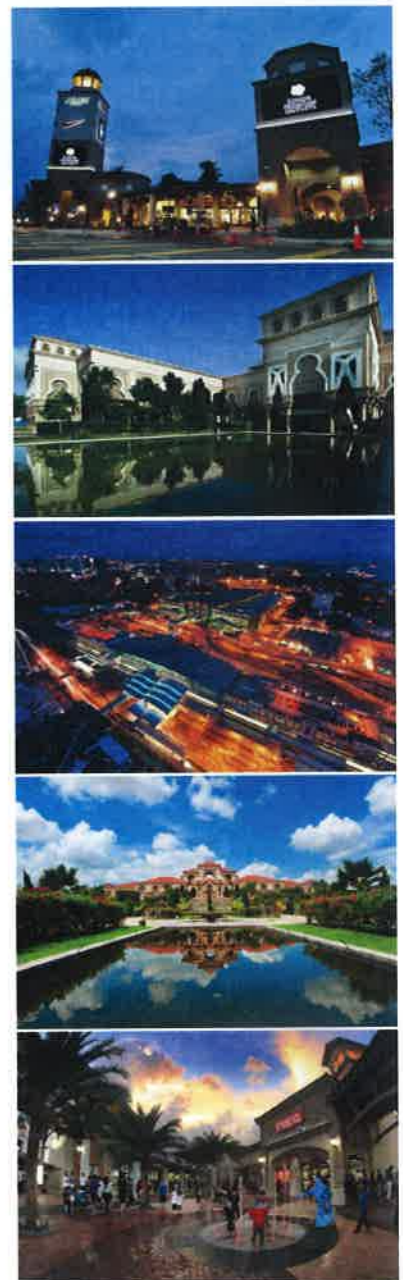
- To integrate and recommend planning policies and strategies of the Federal Government, State Government of Johor and local authorities relevant to enhance Iskandar Malaysia's well being.
- To identify and develop strategies to enhance infrastructure, skills, science and technology research in the development of Iskandar Malaysia.

Promotion

- To undertake broad-based promotion of Iskandar Malaysia to the general public and potential investors; both local and overseas.
- To drive, coordinate and monitor development of economic sectors, required enablers and social infrastructure.

Facilitation

- To provide consultation and information on investing in Iskandar Malaysia.
- To act as the principal coordinating agent on behalf of relevant Government agencies in the relation to receiving, processing and expediting the requisite approvals for investors in Iskandar Malaysia.
- To assist existing investors in the resolution of issues affecting their business environment



EAROPH 46th REGIONAL CONFERENCE

Transforming Cities : The Spatial and Socio-economic Dimensions

18th -21st November 2013

OVERALL PROGRAMME			
KEY EVENT	DATE	PROGRAMME	VENUE
Networking Event	17th November 2013	EAROPH Golf Tournament	Horizon Hills Golf Course
	19th November 2013	EAROPH Congress Dinner	Urban Park Johor Bharu
EAROPH Members Event	18th November 2013	EAROPH EXCO Meeting	Thistle Hotel
	18th November 2013	EAROPH President's Dinner	Thistle Hotel
Congress Main Event	18th November 2013	Pre-registration	Thistle Hotel
	19th November 2013	Conference Day 1	Thistle Hotel
	20th November 2013	Conference Day 2	Thistle Hotel
	20th November 2013	Technical Visit <i>Please register to book your seat</i>	Iskandar Malaysia Flagship Zone 2
IRDA Special Event <i>All invited</i>	20th November 2013	Iskandar Malaysia Sustainable Summit	Thistle Hotel

PRE-CONFERENCE – SOCIAL EVENTS 17th November 2013			Venue
7.00 am	EAROPH Golf Tournament at Horizon Hills		Horizon Hills Golf Course
PRE-CONFERENCE – EAROPH MEMBERS AND PRE-REGISTRATION 18th November 2013	19th November 2013		EAROPH Congress Dinner
3.00 pm	EAROPH 46th Executive Council Meeting		Hibiscus & Alamanda Room Thistle Hotel
5.00 pm	Tea & Early Registration for conference		Thistle Hotel Foyer
7.30 pm	Dry run of Opening Ceremony		Orchid Ballroom, Thistle
8.30 pm to 10.30 pm	EAROPH President Dinner (by invitation only)		Rafflesia & Jasmine Room, Thistle Hotel
	Rafflesia & Jasmine Room, Thistle Hotel		Iskandar Malaysia Sustainable Summit

CONFERENCE DAY 1 19th November 2013		
8.00am	Registration	Orchid Ballroom Foyer
9.00am	Arrival of VIP's and Guest of Honour	Holding Room Alamanda Room
9.15am	Opening Ceremony Welcome Speech Dr Kim Kyung Hwan Honorary President of EAROPH (Eastern Regional Organisation for Planning and Human Settlements) Opening & Launch Yang Amat Berhormat Datuk Seri Haji Khaled Nordin Chief Minister of Johor	
10.00am	Refreshments	Orchid Ballroom Foyer
	Press Conference for VVIP	Hibiscus Room
10.30 am	Keynote Address	Orchid Ballroom

	Keynote Paper 1 Transforming Cities: The Spatial and Social Economic Dimensions Sascha Hasselmayer, CEO CityMart.com and Co-founder Living Labs Global and Interlace-Invent	Orchid Ballroom
11.15 am	Keynote Paper 2 Transforming Iskandar Malaysia – Challenges to Sustain Growth and Ensure Sustainability Professor Datuk Ismail Ibrahim, Chief Executive of IRDA	Orchid Ballroom
12.00 pm	Plenary Session Transforming Cities Today – Key Challenges and Opportunities Panelist Ir Hermanto Dadak Vice Minister of Public Works, Ministry of Public Works, Republic of Indonesia Hamdan Abdul Majeed Director Khazanah Nasional Berhad, Executive Director Think City Sdn Bhd. Sascha Hasselmayer, CEO CityMart.com and Co-founder Living Labs Global and Interlace-Invent Moderator : Norliza Hashim, Secretary General, Earoph	Orchid Ballroom
1.15 -2.00 pm	Lunch and Prayers	

2.15 pm	World Cafe Sessions		
	World Café 1 Designing Future Cities "Ensuring the right ingredients for livability" Moderator Bernadus Djonoputra EAROPH Indonesia	World Cafe 2 "Social ramifications of economic transformation" Moderator Nor Hisham Hussein Head of Social Development, Iskandar Regional Development Authority	World café 1 – Orchid ballroom World Café 2 – Hibiscus & Alamanda Room
2.30 pm	Paper 1 Masdar City, Abu Dhabi – A Sustainable Communities of the Future by Gregory Cox, Divisional Director Mott MacDonald, Singapore	Paper 1 Public Housing in Singapore – Transforming Lives by Dr Belinda Yuen, Senior Research Fellow, Lee Kuan Yew Centre for Innovative Cities, Singapore University of Technology and Design	World café 1 – Orchid ballroom World Café 2 – Hibiscus & Alamanda Room

3.00pm	Paper 2 Shrinking Japanese Cities and Towns by Hirohide Konami, Executive Director, Research Institute of National Land Policy, Tokyo, Japan and Member EAROPH Japan	Paper 2 Happiness Index Towards an Inclusive City by Dr Dahlia Rosly, Deputy Director General (Development) Federal Department Town and Regional Planning Malaysia.	World café 1 – Orchid ballroom World Café 2 – Hibiscus & Alamanda Room
3.30 pm	Paper 3 Eco City : From Technical Eco to Social Eco – Considerations on Chinese Eco City Planning and Practice Dr Yang Guiqing Urban Planning Department, Tongji University, Shanghai, China	Paper 3 Social Welfare Policy – Recognising Citizens Needs Dr Deokho Cho Dean of Public Administration School, University of Daegu, South Korea, Member EAROPH South Korea	World café 1 – Orchid ballroom World Café 2 – Hibiscus & Alamanda Room
4.00 pm	Q&A	Q&A	
4.45 pm	Refreshments & End of Day		Foyer
7.00 pm	Congress Dinner - all Invited Guest of Honour Minister of Urban Well-being, Housing, Local Government Malaysia. Hosted by Iskandar Regional Development Authority and City of Johor Bharu		Venue - 'Rumah Johor', Urban Forest Park, Johor Bahru

CONFERENCE DAY 2
20th November 2013

8.30 am	Registrations and Day 2 Conference Begins	Orchid Ballroom	
8.45 am	Welcome Remarks Secretary General of EAROPH	Orchid Ballroom	
9.00 am	Keynote 3 "The Living City - Future Proofing Urban Development" Robert Moyser MBA, CEng. Associate Director, Construction, Buro Happold, Bath, United Kingdom	Orchid Ballroom	
9.45am	Refreshments	Foyer	
10.00 am	World Café Session		
	World Cafe 3 Innovative & Technological Solutions for Cities Moderator Mohamad Saelal Head of ISC, Projects and PMO, Iskandar Regional Development Authority	World Cafe 4 Managing Cities Today for a Sustainable Tomorrow Moderator Ar. S. Thiriloganathan Honorary Secretary EAROPH Malaysia	World café 3 – Orchid ballroom World Café 4 – Hibiscus & Alamanda Room

10.05 am	Paper 1 Water by Design: A Shifting Paradigm in Urban Built Environment by Nina Yang, Executive Director CPG Urban Planning, Singapore	Paper 1 Public-Private Partnership Incremental Planning in a Fast Growing Industrial Zones – A Case Study from Karimun Municipality by Dr Ir. Muhamad Basuki Hadimuljono, Director General of Spatial Development, Ministry of Works, Indonesia	World café 3 – Orchid ballroom World Café 4 – Hibiscus & Alamanda Room
10.35 am	Paper 2 BIOECODS : Sustainable Urban Drainage for Malaysia by Professor Dr Nor Azazi Zakaria River Engineering and Urban Drainage Research Centre, University Science Malaysia, Malaysia	Paper 2 The Role of Communities in Managing Sustainable Cities. by Dato' Ghazali bin Dato Mohd Yusof Executive Chairman Nusantara Technologies, Honorary Executive Director of the Business Council for Sustainable Development Malaysia	World café 3 – Orchid ballroom World Café 4 – Hibiscus & Alamanda Room
11.00 am	Paper 3 Innovative and Technological Solutions: The Key Ingredients To Affordable and Livable Housing. by Ar. Edric Marco C. Florentino EAROPH Philippines and Principal of E. FLORENTINO 3 + associates	Paper 3 Managing Cities Assets by Kerry Mc Govern, EAROPH Australia and Principal	World café 3 – Orchid ballroom World Café 4 – Hibiscus & Alamanda Room
11.30 am	Paper 4 Waste Management in Singapore by Fadil Supaat, Deputy Director (Planning and Regulation) Waste and Resource Management Department, National Environmental Agency, Singapore	Q&A	
12.00 am	Q&A		
12.20 pm	Closing Session		Venue : Orchid Ballroom
12.20 pm	Reflections and Way Forward Secretary General of EAROPH		Orchid Ballroom
			Orchid Ballroom
12.30 pm	Closing Ceremony by Professor Datuk Ismail Ibrahim Chief Executive Iskandar Regional Development Authority (IRDA)		Orchid Ballroom
12.45 pm	Welcome Jakarta – EAROPH World Congress 2014 Presentation and Handing Over of EAROPH Flag to Mayor of City of Jakarta/ EAROPH Jakarta		Orchid Ballroom
1.00 pm	End of EAROPH 46th Regional Congress 2013		
1.15 pm	Lunch		

SPECIAL PROGRAMMES Please Register		
2.00 pm to 6.00pm	TECHNICAL VISIT Flagship B – Nusajaya, Iskandar Malaysia	3RD ISKANDAR MALAYSIA SUSTAINABILITY SUMMIT (IMSS) 2013 IMSS 2013 Venue

SPECIAL PROGRAMME 3RD ISKANDAR MALAYSIA SUSTAINABILITY SUMMIT (IMSS) 2013 Orchid Ballroom Thistle Hotel 2.00 pm to 5.30 pm <i>A special programme by Iskandar Regional Development Authority</i> Please Register (no fees applied)	
Time	Programme
2.00pm to 2.15pm	Welcome Address by Yang Berbahgia Dato' Benjamin Hasbie Federal Commissioner of IRDA
2.15pm to 3.00pm	Paper 1 Updates on Iskandar Malaysia and Moving Forward by Mohamad Saelal Head of ISC, Projects and PMO
3.00pm to 3.45pm	Paper 2 Low Carbon Lifestyle by Boyd Dionysius Joeman SVP of Environment
3.45pm to 4.30pm	
	Paper 3 The impact on social agenda due to the drastic transformation in Iskandar Malaysia by Nor Hisham Hussein Head of Social Development
4.30pm to 5.00pm	Q&A and Discussion Session
5.00 pm	End of IMSS 2013

SPECIAL PROGRAMME Technical Visit to Flagship B – Nusajaya, Iskandar Malaysia 20th November 2013 2.00 pm to 6.00pm Please Register (limited seats available)	
2.00 pm	Depart from Thistle Hotel Gather at Thistle Hotel Lobby Area
2.30 pm	Iskandar Malaysia Public Housing (visit and briefing)
3.00 pm	Educity, Medini, Legoland and Nusajaya Residential (tour only)
3.30 pm	Puteri Harbour (visit and briefing)
4.30 pm	Kota Iskandar – The Johor State Administrative Office Complex – The Sultan Ismail Building and State Assembly (visit and briefing)
5.30 pm	End of Tour Delegates return to hotel

EAROPH 46th REGIONAL CONFERENCE Congress Dinner

Hosted by

Johor State Government

Iskandar Regional Development Authority

Majlis Bandaraya Johor Bahru

19th November 2013

Venue – Johor House, Urban Forest Park, Johor Bharu

Time	Programme
7.00 pm	Arrival of EAROPH Congress Participants @ Rumah Johor, Hutan Bandar
8.00 pm	Welcoming silat and kompang to receive the arrival of VVIP @ Rumah Johor
8.10 pm	Welcome Speech Prof. Datuk Ismail Ibrahim, CE of IRDA as host Address by Yang Berhormat Dato' Abdul Rahman Dahlan Minister of Urban Wellbeing, Housing and Local Government, Malaysia
8.20 pm	About Rumah Johor (narration)
8.30 pm	'Makan Kenduri' starts
9.00 pm	Traditional Performance 'Zapin' and 'Kuda Kepang'
9.45 pm	Joget Lambak
10.30 pm	Dinner Ends

Prof. Dr. Nor Azazi Zakaria

Director of River Engineering & Urban Drainage Research Centre, University Science Malaysia
Sustainable Urban Drainage



RESEARCH AND CONSULTANCY AREAS

- Sustainable Urban Drainage Systems
- Hydraulic & Sediment Transport Engineering
- River Conservation & Rehabilitation
- Irrigation and Drainage for Food Production
- Water and Food Security

PROFESSIONAL EXPERIENCE

- Innovation and Design The Bio-Ecological Drainage System In The Development of Engineering Campus - A Pilot Project In This Region
- Malaysian's University Delegates On The Road Show Seminar And Deliver Lectures "Introduction To The New Urban Storm Water Management Manual" in Malaysia.
- Editorial Advisory Panel (EA), Water Management Journal, Institution of Civil Engineers (ICE), UK
- Technical Committee, Urban Stormwater Management Manual for Malaysia
- Contributor, Second Edition, Urban Stormwater Management Manual for Malaysia (MSMA 2nd Edition)

Abstract

The introduction of Urban Stormwater Management Manual for Malaysia by the Department of Irrigation and Drainage (DID) Malaysia in 2000 has since changed the perceptions of stormwater management in the country. Although the control-at-source approach recommended by MSMA is generally accepted as the way forward in stormwater management as opposed to the conventional rapid disposal approach, many are reserved with its implementation due to supposed limitation such as space and project costs. This article introduces the sustainable urban drainage system (SUDS), one of such system would be the Bio-ecological Drainage System (BIOECODS), developed by River Engineering and Urban Drainage Research Centre (REDAC), Universiti Sains Malaysia. The BIOECODS is a stormwater drainage system designed with the concept of SUDS in mind, and as a result, is fully complied with the MSMA requirements which focus on the control of both the quantity and quality of urban runoff. The concept, components and functions of BIOECODS are presented herein. Performance of the system in the USM Engineering Campus site is also presented. The success of the BIOECODS implementation proved that with innovation, MSMA can be successfully implemented without compromising on the overall project cost, aesthetic, and function. In fact, the system adds in more value-added services for stormwater management, public amenity, and overall aesthetic. The implementation of MSMA will definitely increase the living quality of urban dwellers and at the same time maintain the sustainability of the natural environment.

Keywords: Sustainable Urban Drainage Systems, SUDS, BIOECODS, stormwater management, Green technology