

FUTURE CITY JAKARTA

Swiss and Indonesian
Research and Technology in
Practice

(SEC) SINGAPORE-ETH
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Future City Jakarta: Swiss and Indonesian Research and Technology in Practice

Along with its fast economic growth, Indonesia has been rapidly urbanizing, and will continue to do so in the future. By 2030, it is projected that more than 80% of Indonesians will live in cities. The metropolitan city of Jakarta, the capital of Indonesia, is currently home to more than 10 million people. According to UN World Urbanization Prospects 2010 data, Indonesia has the largest share of urban population and the fastest rate of growth in urban areas in Asia.

Urbanization aggravates the challenges Jakarta is facing, including spatial planning, solid waste, land subsidence, water supply, waste water management, and housing. This symposium seeks to address some of those challenges, while highlighting Swiss and Indonesian research and technology that could provide solutions applicable to the metropolitan city of Jakarta.

ETH Zurich, one of the world's top universities in engineering and technology, is a fundamental partner in this symposium through their overseas Singapore ETH Center (SEC). We are very proud to share with you some of SEC's research that focuses on Indonesia. The University of Indonesia, one of Indonesia's top universities, has also been an important partner that made this collaboration possible.

In this symposium, we present to you speakers from a wide array of Swiss and Indonesian academics, industry, as well as the government. Eawag-Sandec is a leading research institute in Switzerland and Europe, with expertise in water treatment, sanitation planning, wastewater management, and solid waste management. Holcim Indonesia is a leading cement industry with strong commitment to environmental protection and sustainability.

On this occasion, we would also like to thank the government of DKI Jakarta for their significant support. With their collaboration, we can make this event a platform of knowledge exchange between Swiss and Indonesian researchers. It is our hope that this symposium could serve to bring feasible solutions into practice, and at the same time strengthen the relationship of Switzerland and Indonesia.

Yvonne Baumann
Ambassador of Switzerland to the Republic of Indonesia

The Embassy of Switzerland in Indonesia – in collaboration with ETH Zurich Future Cities Lab, Universitas Indonesia, and the Government of DKI Jakarta is hosting a symposium to showcase how Swiss and Indonesian research and technology can contribute to Jakarta's urban planning.

We cordially invite you to attend the symposium

**Future City Jakarta:
Swiss and Indonesian Research and Technology
in Practice**

Day/date : Monday, 3 November 2014

Time : 08.30 – 17.00

Venue : Auditorium Terapung, Perpustakaan Universitas Indonesia
Kampus UI Depok

Please confirm your attendance by Wednesday, 29 October 2014 through e-mail to jak.vertretung@eda.admin.ch or by phone to Ms. Dewi Barnas (☎ 525-6061).

For further information on this event, please refer to:

<http://www.eda.admin.ch/jakarta>

Dress code: smart casual or batik

Simultaneous interpretation provided. / Interpretasi disediakan.

08.30 – 09.00 Registration

Welcome addresses & Keynote speeches

09.00 – 09.10 Welcoming remarks by Ambassador of Switzerland to Republic of Indonesia H.E. Dr. Yvonne Baumann

09.10 – 09.15 Welcome by Universitas Indonesia UI Rectorate Office

09.15 – 09.20 Introduction by Managing Director of ETH Zurich FCL Dr. Remo Burkhard

09.20 – 09.40 Keynote speech by Deputy Governor for Spatial Planning and Environment of DKI Jakarta Ir. Sarwo Handayani, M.Si

09.40 – 09.50 Q&A

09.50 – 10.00 Photo Session

10.00 – 10.30 Coffee Break

First Session: Jakarta river management

10.30 – 10.40 Introduction Dr. Rita Padawangi
(Senior Research Fellow, Asian Urbanisms Cluster, NUS Asia Research Institute)

10.40 – 11.00 Ciliwung Landscape Park Prof. Christophe Girot
(Chair of Landscape Architecture, ETH Zurich)

11.00 – 11.20 Flood control programs in Ciliwung-Cisadane: planning and implementation Ir. Ahmad Zubaidi, M.Tech
(Head of Division, Program and Planning, Balai Besar Wilayah Sungai Ciliwung Cisadane, Directorate General of Water Resources, Ministry of Public Works)

11.20 – 11.40 Community movement to clean Ciliwung River Een Irawan Putra
(Komunitas Peduli Ciliwung)

11.40 – 12.00 Discussion

12.00 – 12.50 Lunch

Second Session: Swiss research and technology for Indonesia

12.50 – 13.00 Introduction by Deputy Head of Mission, Embassy of Switzerland Daniel Derzic

13.00 – 13.20 Swiss technology and research on drinking water and wastewater treatment Dr. Christian Zurbrügg
(Director, Water and Sanitation, EAWAG SANDEC)

13.20 – 13.40 Optimizing landfill avoidance and energy generations from waste: Holcim's experience and strategies Ib Larsen
(Regional MSW Manager, Holcim Indonesia)

13.40 – 13.50	Valorisation of Organic Solid Waste : Opportunities & Challenges	Bart Verstappen (Coordinator, FORWARD Research Program, EAWAG SANDEC)
13.50 – 14.10	Making Swiss technology global	Christian Häuselmann (Chairman, Global Cleantech Cluster Association/ Co-founder, Swisscleantech)
14.10 – 14.30	Discussion	Discussion led by Gabriel Andari Kristanto, Ph.D (Centre for Sustainable Infrastructure Development, Universitas Indonesia)
14.30 – 14.50	Coffee Break	
Third session: Jakarta sustainable kampung		
14.50 – 15.00	Introduction	Dr. Komara Djaja (Head of Urban Studies Program, Graduate School of Universitas Indonesia)
15.00 – 15.20	Presentation by government representative	Representative of DKI Jakarta government*
15.20 – 15.40	On Muara Baru: What Matters Most	Ir. Herlily, M.Urb.Des (Faculty Member, Department of Architecture, Universitas Indonesia)
15.40 – 16.00	Metabolism and the Sustainable City	Prof. Dr. Stephen Cairns (Scientific Director, ETH Zurich FCL)
16.00 – 16.20	Discussion	
Closing		
16.30 – 16.40	Wrap up by Managing Director of ETH Zurich FCL	Dr. Remo Burkhard
16.40 – 16.55	MOU Signing between ETH Zurich FCL and University of Indonesia	
16.55 – 17.00	Closing of the Symposium	
17.00 – 18.00	Exhibition Launch	

The symposium also features an exhibition of 3D terrain model of the Ciliwung River and architectural model for a sustainable tropical town produced by ETH Zurich Future Cities Lab, as well as action research exhibition by Universitas Indonesia.



Visualization of potential river landscape park
© LVML @ ETH Zurich



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