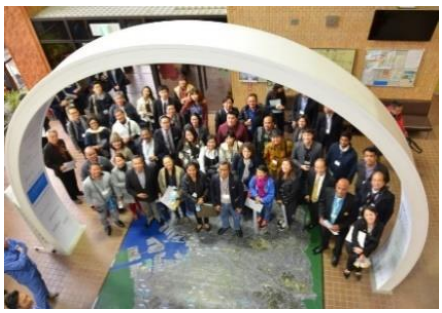
(As of 1st Nov.)

7th Asia Smart City Conference

In Yokohama

13 - 15 Nov. 2018

Program Outline



OPEN YOKOHAMA

Tokyo Development Learning Center

ADBInstitute

Organizers and Supporters

- Organizer : City of Yokohama
- Co-organizer : Tokyo Development Learning Center (World Bank Group)
  Asian Development Bank Institute

- Supporter : Cabinet Office, Government of Japan / Ministry of Finance, JAPAN / Ministry of Foreign Affairs of Japan / Ministry of the Environment, Government of Japan / Institute for Global Environmental Strategies (IGES) / Japan International Cooperation Agency (JICA) / Yokohama City University

Overall theme

Fostering a Marketplace for Co-innovation
- Facing challenges of creating smart city projects and incorporating game-changing technologies –

Background

We regard “Smart City Development” as sustainable city development. It should raise the quality of life of citizens by promoting well-balanced sustainable development and making use of diverse and innovative technologies created by public and private sector partnerships.

Many discussions about Smart Cities have taken place on the international scene. Now is the time to move forward and take concrete actions based on those discussions.

The Asia Smart City Conference (ASCC) is an international conference that brings together city leaders in Asia and representatives from international organizations, academic institutions, and private companies, aiming at establishing a knowledge hub for Smart Cities. At this conference, city leaders will share their vision for growth as well as their current challenges and needs; private companies and academic institutions will propose innovative solutions; international organizations will offer programs to support efforts by cities and private companies; and various best practices from around the world will be shared.

The 7th Asia Smart City Conference, under the theme of “Fostering a Marketplace for Co-innovation,” will be held on November 13-15 with the support of the World Bank and the Asian Development Bank Institute. As the international community works to reach the Sustainable Development Goals (SDGs) adopted by the United Nations in 2015, the City of Yokohama, designated as an “SDGs Future City” that promotes activities towards achieving the Goals, will host the Conference.

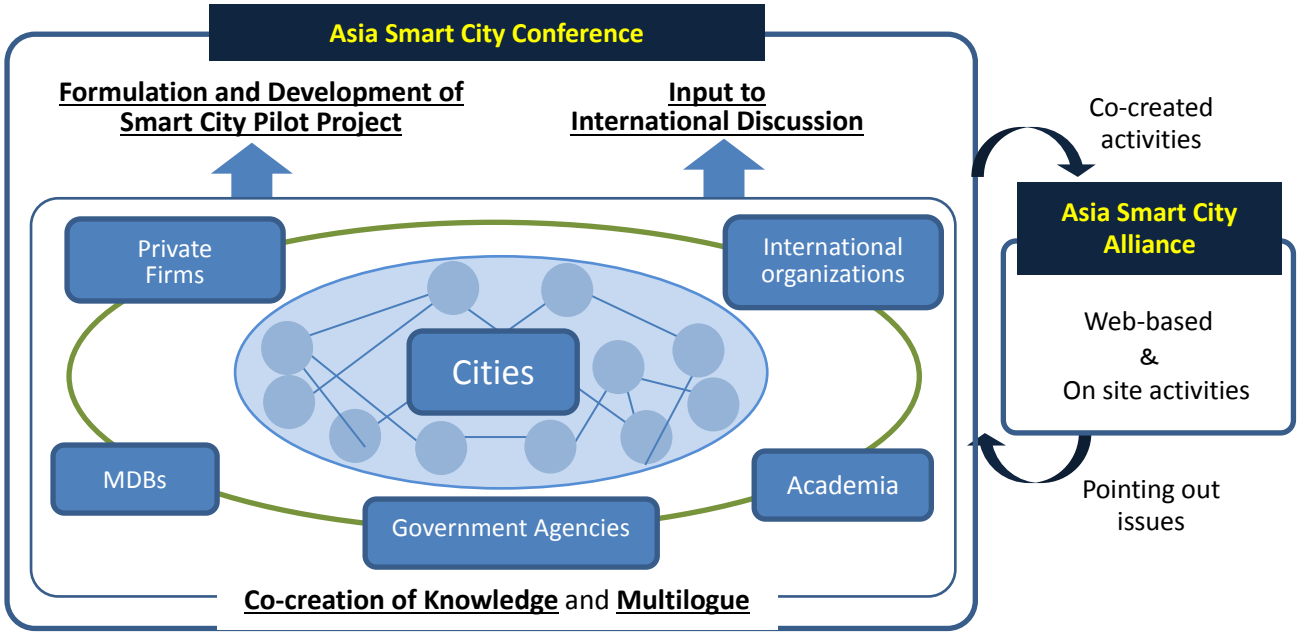
The impact of new exponential technologies such as AI and big data on cities will be discussed, as well as essential topics including waste and sludge treatment, energy saving, and low carbon transport systems. ASCC will aim to create pilot projects which realize urban Smart City solutions in Asia by providing a forum where diverse participants can network and take part in cross-cutting discussions on urban development.

In addition, we will share the results of the ASCC discussions with other international forums related to the SDGs and to investments based on environmental and social responsibilities.

Special features of the conference (Unique Value Proposition)

- Interactive multilogue: city leaders can not only make presentations about their cities' activities but also get ideas or hints from other cities, firms, or international organizations
- Discussions on topics such as urban issues and solutions, as well as financing for the creation of pilot projects for smart city development in Asia
- Co-creation of knowledge and providing opportunities for networking

Major activities of ASCC



Program

【Day 1】Tuesday, November 13th

12:30-	**Registration**

13:00-17:00	**Site visit showcasing smart city development in Yokohama**

- **Course A New Yokohama City Hall – Development of a New City Hall (Completion in 2020) –**
  http://www.city.yokohama.lg.jp/kokusai/yport/pdf/7ascc-sitevisit-a-course.pdf
- **Course B Water and Environment solution Hub**
  – Wastewater Treatment Plant and Sludge Treatment Plant–
  http://www.city.yokohama.lg.jp/kokusai/yport/pdf/201402profeng11.pdf
- **Course C From Waste to Energy**
  –Tsuzuki Incineration Plant, Midori Recyclable Resources Separation Center–
  http://www.city.yokohama.lg.jp/kokusai/yport/pdf/201402profeng14.pdf

18:00-20:00	**Cocktail Reception hosted by World Bank**

【Day 2】Wednesday, November 14th

8:30-	**Registration**

09:15-09:45	**Introduction**

- Prior to the thematic meetings, the aims of the conference will be shared in this session.

10:00-12:30	**Thematic session 1** (The 4 meetings will run simultaneously.)

- **Concept and Objectives**

  Technology is quietly but radically disrupting and transforming how cities deliver services to their citizens. It does that in a way that fundamentally alters not just the mode of delivery but its underlying economics and financing. Predictions of a 2050 world estimate a population of 9.7 billion, with 6 billion in the middle class, and a prominent increase of urban population. The global economy is expected to grow 2-3 times larger, with most of such growth happening in today's developing countries. Exponential technologies offer great promise for cities facing issues such as explosive growth and a huge backlog of infrastructure and service delivery, leapfrogging generations of older models. Countries from around the world will gather to share innovative initiatives taking place globally, and will demonstrate how exponential technologies can be leveraged to create inclusive, resilient, and sustainable cities.

- **Format of Thematic Sessions**

  These sessions aim to promote match-making of decision makers from developing countries with solution providers. A city will frame a specific development challenge together with the moderator, wherein solution providers (firms, academia, etc.) from Japan and beyond will give a pitch as to the relevance and attractiveness of their firm's technology, products, capacity building support, and other offerings to address the challenges.

  - **Theme 1: Water and waste**

    Technology can play an important role in terms of ensuring efficiencies in service delivery for water supply, sanitation and solid waste management, particularly with regards to operation and management, monitoring, and so on.

    #Key words: water supply, NRW, drainage, sewage, solid waste management, interplay of water and waste

  - **Theme 2: Transportation and mobility**

    Developing countries, which still face a large transport infrastructure gap, can leapfrog car-dependent transport and adopt multimodal strategies that reduce pollution, energy consumption, and congestion while increasing road safety and boosting economic growth.

    #Key words: telecommunication, IoT, connectivity, public transportation

  - **Theme 3: Energy efficiency**

    Energy efficiency has been at the core of Japan's efforts on smart city development. What are some recent private-sector led initiatives?

    #Key words: energy efficiency, HEMS/ BEMS

  - **Theme 4: Disaster resilience**

    Accurate forecasting, monitoring, and reporting of hazards can inform smart and swift decisions for effective disaster response. How does technology help reduce economic and social damage from natural disasters?

    #Key words: flood risk management, river management, seismic risk management

12:30-14:00	**Networking Lunch**

14:00-16:30	**Thematic session 2** (The 4 meetings will run simultaneously.)

- **Theme 5: Urban infrastructure provision for smart cities**
  IoT and other technologies are generating massive volumes of data, both structured and unstructured. How are cities and their stakeholders utilizing these data points to inform urban planning and management? How is this data being managed and shared beyond individual sector silos? How is this data being utilized to improve service provisioning to citizens?
  #Key words: urban planning and management, urban infrastructure, spatial data infrastructure
- **Theme 6: Utilizing big data/ open data for land development**
  Better data on the pace and extent of urbanization could improve infrastructure development, industrial policy, environmental planning, and land management. How can we utilize this massive accessible data for better land development?
  #Key words: big data, zoning, drones, land and geospatial
- **Theme 7: Retooling manufacturing and industrials**
  New technologies are changing the way we produce goods and is repainting the landscape of the manufacturing industry. What impact will this have on industrialization, labor productivity and job creation in developing countries, and what opportunities exist?
  #Key words: energy, AI, VR, machine learning
- **Theme 8: Citizen engagement through smart technology**
  Smart technologies - the internet, mobile phones, and all the other tools to collect, store, analyze, and share information digitally - have spread rapidly in much of the world. Digital dividends, or the broader development benefits from using these technologies, have lagged. While in many instances smart technologies have boosted growth, expanded opportunities, and improved service delivery, their aggregate impact has fallen short and is unevenly distributed - how do we ensure inclusive development in an era of smart technologies?
  #Key words: citizen engagement, e-Governance, smart devices

18:00-20:00	**Welcome Reception**

【Day 3】Thursday, November 15th

8:30-	**Registration**

09:30-12:00	**Panel Discussion**

- **Capstone 1 on Integrated Urban Development**
  How can cities organize themselves to promote comprehensive urban development designed to promote priority issues in the city as a whole? What are some of the important mechanisms to prevent silo-based approaches and create an enabling environment which puts citizens in the driver's seat? This session aims to serve as a capstone session on integrated urban development, based on the discussions on Day 2 morning.

- **Capstone 2 on Exponential Technologies**

  What are some of the game changing technologies emerging today, and what are the implications for development impact? This session aims to serve as a capstone session towards exponential technologies and thinking, based on the discussions on Day 2 afternoon.

  Key words: AI, VR, machine learning, blockchain, digital/ biometric ID, digital payments

12:00-14:00	**Networking Lunch**

14:00-17:00	**Plenary**

- **Opening Session**

  Key note speech by leaders from the Japanese Government and/or international organizations.

- **Roundtable Session**

  Presenting the latest efforts on smart city development by Asian city leaders and developers, followed by sharing the results of the smart city discussions with all participants.

Co-located Events

- **Yokohama Info-Market**

  【DAY2】10:00-16:00, 【DAY3】9:30-14:00

  In 2017, YOKOHAMA URBAN SOLUTION ALLIANCE (YUSA) was founded aiming at contributing to solving urban problems in emerging countries and creating business opportunities for Yokohama based companies. The event, which is organized in collaboration with Yokohama City and YUSA, will introduce the technology of companies in Yokohama as well as Yokohama city's know-how on urban development,
  In addition, opportunities for networking between Japanese businesses and participants from overseas, who are seeking solutions for urban issues, will be provided.
  [Inquiry: YUSA (YOKOHAMA URBAN SOLUTION ALLIANCE) <Mail to: info@yusa.yokohama>]

- **Business Forum "Sustainable City with SDGs supported by Enterprise and Local government"**

  【DAY2】10:30-12:30

  Nikkei ESG Management Forum of Nikkei Business Publications (Nikkei BP) will organize an event, 'Business Forum', which theme will be "Sustainable City with SDGs supported by Enterprise and Local government". Nikkei ESG Management Forum is an organization of around 140 enterprises which advocate ESG management. In this event, executives of World Bank and Asia Development Bank (ADB) will be invited and World Bank would introduce how to utilize a new concept, 'Inclusive Wealth', for private companies and local government, while Asia Development Bank (ADB) would introduce ADB's SDGs activities and their expectations for Japanese companies.

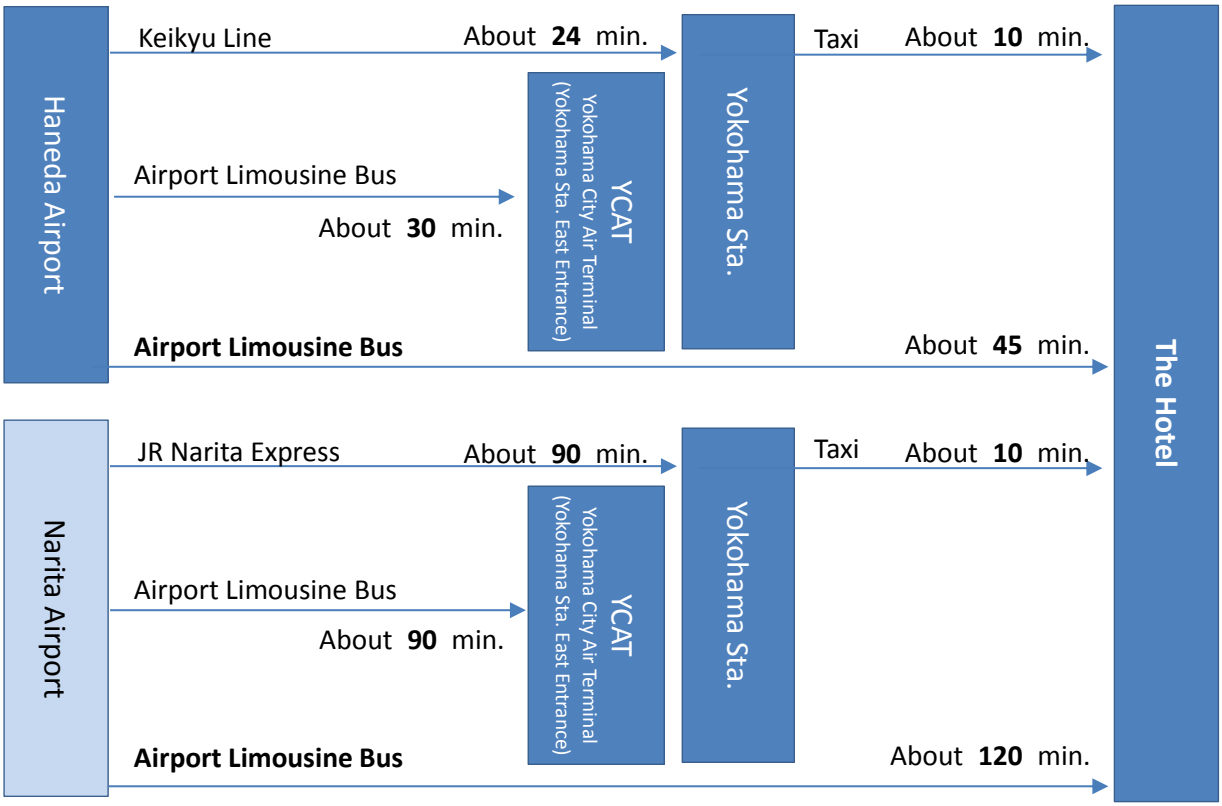
- **Youth Event 2018**

  【DAY2】14:00-16:30

  SMEs with outstanding environmental technology play critical roles in international technical cooperation.
  In this event, Yokohama City University students present the results of their research on the issues for Japanese SMEs to expand overseas business and future prospects. This event is sponsored by Nissin Co., Ltd.
  [Inquiry: International Affairs Division, Yokohama City University <Mail to: kokusai@yokohama-cu.ac.jp>]

Venue

Intercontinental Yokohama Grand hotel (1-1-1 Minato-Mirai, Nishi-ku, Yokohama)



【Inquiries】

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6th Asia Smart City Conference Report

【Video】https://www.youtube.com/watch?v=3cZPteTo3Lw

【Report】http://www.city.yokohama.lg.jp/kokusai/yport/pdf/6ascc.reporte.pdf

More Information: Yokohama ASCC