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(His Excellency Ambassador Yim Geun-hyeong, Seoul Metropolitan Government).

Excellencies, Distinguished guests, ladies and gentlemen,
Good morning.

On behalf of the Asian Development Bank, I would like to welcome you to this “2nd International Forum on Low Carbon Development for Cities”.



Climate Change and Its Impacts to Sustainable Development 气候变化及其对可持续发展的影响

- Climate-induced impacts resulted in significant economic loss
- 气候影响造成了重大经济损失
- IPCC's Special Report on Global Warming of 1.5 °C urges increased and transformative climate actions
- 政府间气候变化专门委员会(IPCC)发布的全球变暖1.5°C 特别报告敦促各国采取更多且变革性的气候行动



Over recent decades, Asia and the Pacific region has experienced a significant increase in the number, intensity, and impact of extreme weather events. These climate induced impacts resulted in significant economic loss and delayed the progress of our sustainable development. As highlighted in the recent IPCC's Special Report on Global Warming of 1.5°C, the trends in emissions will surpass global warming of 1.5°C, leading to irreversible loss of the most fragile ecosystems, and crisis after crisis for the most vulnerable people and societies. It urges increased and transformative climate actions that foster an integrated approach to climate mitigation and adaptations at all scales of governance.

ADB Strategy 2030 亚行2030战略

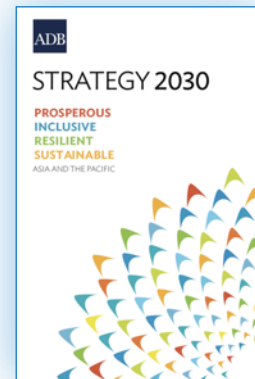


Tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability

应对气候变化，建设气候和灾害适应性，增强环境可持续性



Making cities more livable
使城市更宜居





Role of Cities in Climate Actions 城市在气候行动中的作用

- Cities consume 80% of the world's energy and contribute to 75% of global GHG emissions
- 城市消耗80%的世界能源，排放的温室气体占全球75%
- Cities are key to achieving NDC targets under the Paris Agreement.
- 城市对实现《巴黎协定》下的国家自主贡献目标至关重要



Cities are home to almost 60% of the world's population and drivers for our economic growth. But at the same time, cities consume 80 percent of the world's energy and contribute to 75% of global greenhouse gas emissions. Particularly, Asia region has the world's largest, most populated cities compared to other regions. And the urbanization is expected to continue, accounting for about 66% of Asia's total population, adding another 1.3 billion people to the 2.2 billion people already living in cities today. This would continue pressuring the consumption of energy and natural resources, and consequently disproportionate greenhouse gas (GHG) emissions and adding vulnerability to the impacts of climate change, as Asia region is particularly exposed to climate risk due to its geography, low incomes, poor infrastructure, and insufficient adaptive capacity.

To avoid risks to jeopardize the hard-won socioeconomic gains from economic growth, while continue pursuing sustainable and inclusive growth, radical and transformative low-carbon and resilient development must be executed. Once cities take the lead in implementing low-carbon and resilient growth transformation, we could better achieve the Nationally Determined Contribution targets under the Paris Agreement, and have better opportunity to control global warming below 1.5°C increase.



Towards Low Carbon Transformation 低碳转型

- Consolidated efforts can expedite low carbon transformation
- 一致努力可加快低碳转型
- Holistic and integrated approaches can reinforce climate actions
- 整体和综合的方法可增强气候行动
- Systems thinking can result to effective low carbon city transformation
- 系统思考可有效实现低碳城市转型



Low-carbon transformation, in fact, is a long-term process, but consolidated efforts from all actors in a society can expedite the process. Holistic and integrated approaches rather than sector development in silos can reinforce various climate actions with complementary effects. Sector policies should create coherent and predictable processes to achieve carbon reduction. Appropriate incentives and mechanisms need to be articulated well to involve and activate different stakeholders including individual citizen. Applying systems-thinking to technical, policy, and institutional reforms, coupled with proper implementation of climate actions, is likely to result to effective low-carbon city transformation.



Challenges to Making Cities Livable, Low Carbon, and Climate Resilient 实现宜居、低碳、气候适应城市的挑战

- Rapidly growing cities are challenged to provide sustainable, low carbon, resilient infrastructure
- 快速发展的城市所面临的挑战：提供可持续、低碳、适应性的基础设施
- Right policies and incentives are needed to scale up climate investment and mainstream transformative interventions
- 需要正确的政策和激励措施来扩大气候投资和主流化变革性干预

ADB

Last year's Forum in Beijing focused on cross-sectoral approaches for low carbon synergy creation including emerging issues such as transforming old industrial towns into modern, livable, low carbon, and climate resilient cities, low carbon development of fast-developing new districts, innovative tools and policy measures like green procurement, and engaging the private sector. It contributed to empowerment of 235 participants including city governments with knowledge. This year, we are welcoming more than 200 participants as well from Afghanistan, Azerbaijan, the People's Republic of China, Georgia, Kazakhstan, Kyrgyz Republic, Mongolia, Myanmar, Pakistan, the Philippines, Tajikistan, Turkmenistan, Uzbekistan, and Vietnam.

We are challenged, as our cities are experiencing significant population and economic growth through carbon-intensive industrialization; urban sprawl and migration; and environmental pollution. We are challenged in rapidly growing cities to provide sustainable, low-carbon, resilient infrastructure to our citizens so that their low-carbon actions can be easy. We are challenged to develop right policies and incentives so that climate investment can be scaled up and transformative interventions can be mainstreamed.



Objectives of the Forum 论坛宗旨

- To present innovative concepts, solutions, and tools
• 展示创新的概念、解决方案和工具
- To underscore how social innovation can drive low carbon and sustainable city development
• 强调社会创新将如何推动低碳和可持续城市发展
- To reinforce ADB's role as trusted partner, reliable financier, knowledge provider, and convener of strategic partners for low carbon city development efforts
• 加强亚行作为值得信赖的合作伙伴、可靠的资金提供者、知识提供者以及低碳城市发展战略合作伙伴召集人的角色



This forum aims to be a platform to address these challenges and present innovative concepts, solutions and tools. At the session on 'Enabling Environment and Challenges for Integrated System-wide Low-Carbon Transformation', you would hear interesting examples of transformative climate actions as well as practical challenges and insights from prominent experts in the field. At the session on 'Clean Energy and Sustainable Buildings', multi energy systems, building management and building technologies will be presented. The session on 'low carbon transport' will discuss integrated transport planning, ICT-based systems, and green fleet. We will also have a roundtable on green finance including different modalities of financing a project. Advanced technologies and ICT play a big role in many sectors including efforts on clean energy, transport, climate adaptation, and others. We have designed this year's Forum to underscore how social innovation can drive low carbon and sustainable city development.

We programmed a lot of very interesting site visits this week for your hands-on learning, while showcasing Seoul's low carbon actions and development path. At Seoul Energy Dream Center, we will look at their hydrogen fueling station, resource recovery facility, and other renewable energy applications. The visit to 'Seoul Traffic Operation and Information Service' will give you a unique opportunity to learn the Seoul-style bus rapid transit system, and how Intelligent Transport System contributes to the

achievement of 60% use in public transport modes. At Seonam Sewage Treatment Center, you will see how unique wastewater treatment technologies can enable effective waste-to-energy application. Your visit to Sudokwon Landfill Site will show how a previously uncontrolled landfill site has been converted to eco-friendly controlled one, while capturing landfill gas for power and heat generation.

Through this forum, ADB seeks to reinforce our roles as trusted partner, reliable financier, knowledge provider, and a convener of strategic partners for your low carbon city development efforts. These may pose highly complex and difficult challenges. Yet, ADB commits to find and strengthen customized support specific to your local circumstances so that your journey can be smooth, effective, and efficient. Let us act together to ensure your cities low-carbon, livable, and prosperous ones.



On behalf of ADB, let me take this opportunity to express our special thanks to CityNet, and all contributors for their valuable inputs to the forum, namely:

Allotrope Partners
 Asia Pacific Urban Energy Association
 Broad Group
 Chongqing University
 City of Yokohama
 Clean Energy Investment Accelerator
 Climate Bonds Initiative
 Deltares
 Doosan Corporation
 E-waters Environmental Science & Technology
 Fengxi New City Energy Development Co., Ltd.
 Hunan Innovative Low Carbon Center
 Hydrogenics Corporation
 ICLEI – Local Governments for Sustainability
 Lithium Urban Technologies
 Mobike

Mongolia Energy Regulatory Commission
New Energy and Industrial Technology Development Organization
PeerTec
Rotterdam Municipal Government
ScandGreen Energy
Seoul Metropolitan Government
Shenyang Municipal Development and Reform Commission
Shenzhen Bus Group Co., Ltd.
U.S. Green Building Council & Green Business Certification, Inc.
UNEP Finance Initiative
United Nations Framework Convention on Climate Change
University of Seoul
W-Foundation
World Resources Institute
Wuppertal Institute

I look forward to a very successful and fruitful Forum. Thank you.



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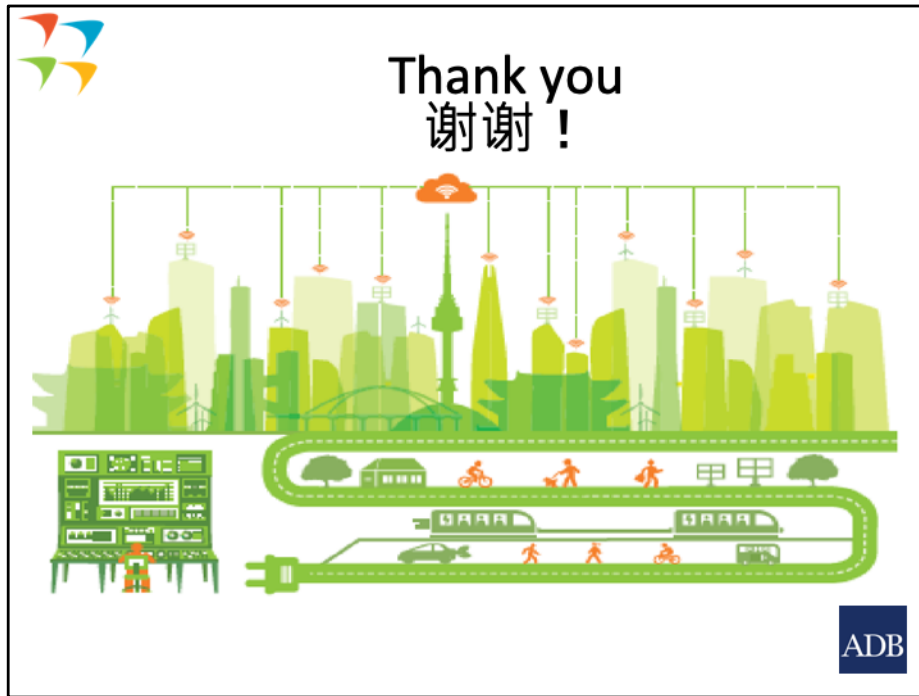
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