

## **Advancing Climate Action and Resilience of Cities in the Asia-Pacific Region** **Renewable energy and Air pollution control**

30 March 2023, UNCC, Bangkok (10:30-11:15 hrs Thailand Time GMT+7)

*[Side event of 10<sup>th</sup> Asia-Pacific Forum on Sustainable Development (APFSD), 27-31 March 2023]*

*Jointly organized by:*

Asian and Pacific Centre for Transfer of Technology (APCTT) of the  
United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

And

Sustainable Urban Development Section (SUDS), ESCAP

### **Concept note**

#### **Background**

The Asia-Pacific region is experiencing rapid urbanization and its cities already consume 80% of the region's total energy while contributing to 75% of its carbon emissions.<sup>1</sup> With growing challenges due to climate change, the region's cities will need to accelerate climate actions in multiple sectors such as renewable energy, transport, energy efficiency, waste management, and climate resilience. The cities will need to design and implement city-level initiatives supported by innovative technology solutions for reducing greenhouse gas emissions and building climate resilience, while delivering economic, environmental, health, and social co-benefits.

In the context of advancing climate action and resilience of cities in the Asia-Pacific, the side event will focus on two areas of discussion – a) Renewable energy technology applications, and b) Air pollution control technologies. The first panelist will provide insights into innovative and affordable renewable energy technology solutions in the urban space. The second panelist will discuss the role of innovative and emerging technologies for air pollution control in cities with focus on construction and transport sectors. The initial presentations by the panelists will be followed by an interactive discussion and conclusions from the panelists.

#### **Objectives**

The event aims at contributing to the outcomes of APFSD through 1) exploring innovative technology solutions in renewable energy and air pollution control in cities, and 2) providing recommendations on accelerated action in the two sectors for making the cities climate resilient.

#### **Participants**

The side event will be of interest to policymakers, and other relevant stakeholders involved in urban governance, renewable energy applications and city air pollution control in the Asia Pacific region, as well as to the experts in the field of climate resilient cities.

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<sup>1</sup> <https://www.adb.org/news/features/asias-booming-cities-most-risk-climate-change>

