# 报告

**East Asian Cities' Climate Change Adaptation Action and Policy**

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## 讲者介绍 Biography

Dr. Chao REN is an Associate Professor in The Faculty of Architecture at The University of Hong Kong. She has lectured widely in the leading institutions on topics of environmental design and urban climatic application.Her research interest is Sustainable Urban and Environmental Design and Urban Climatic Application in Urban Planning. She is an invited contributing author of IPCC AR6 (Chapter on Cities) and an invited member of urban climate expert group by the WMO.

## 报告摘要 Abstract

The frequency and scale of damage inflicted by climate-related disasters, such as floods, drought, heat waves and hurricanes, has been increasing at an alarming rate. According to the projected future climate change in East Asia, it shows there is very likely an increase in mean annual surface temperature which further causes changing climate conditions in terms of both climatic extremes and variabilities. And these changing climate conditions can aggravate both the existing hazards and the present vulnerable conditions, thus considerably increasing risk and disaster occurrence. Because of these changing climates, a series of impacts on cities, settlements and infrastructures may likely occur, such as cooling energy demand increase, declining air quality, extra pressures on urban infrastructure and urban fabrics (e.g. costal bank infrastructure, urban drainage system). The speaker will introduce and review the climate change city action and related policy development in China, South Korea, Japan and Taiwan. It is found that the information and data of the nature, scale and distribution of potential urban risks, examining relationships between every day and disaster risks across scales are needed. The more that we are aware of climate –related hazards and their corresponding urban risks, the better we can work on not only mitigation but also adaptation. These actions would increase the city's overall resilience and ability to cope with climate change, improve our people's living conditions and safe their lives, as well as respond and recover from climate change related emergencies and hazard.

## 有兴趣合作之项目 Interested topics for future collaboration

Climate change and city resilience