

# The Second Zero Carbon City International Forum

## Parallel Session 2

### **Zero Carbon Challenges: Trends and Initiatives to promote transition in key areas**

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ICLEI - Local Governments for Sustainability - South Asia**



# ICLEI- Local Governments for Sustainability

ICLEI is the only organization officially representing local governments at all three Rio Conventions (the Convention on Biological Diversity (CBD), the United Nations Framework Convention on Climate Change (UNFCCC), and the United Nations Convention to Combat Desertification (UNCCD)).

ICLEI also serve as the focal point for the Global Taskforce of Local and Regional Governments, that units local government networks.



# ICLEI's Five Pathways

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LOW EMISSION  
DEVELOPMENT



NATURE-BASED  
DEVELOPMENT



EQUITABLE  
AND PEOPLE-  
CENTERED  
DEVELOPMENT



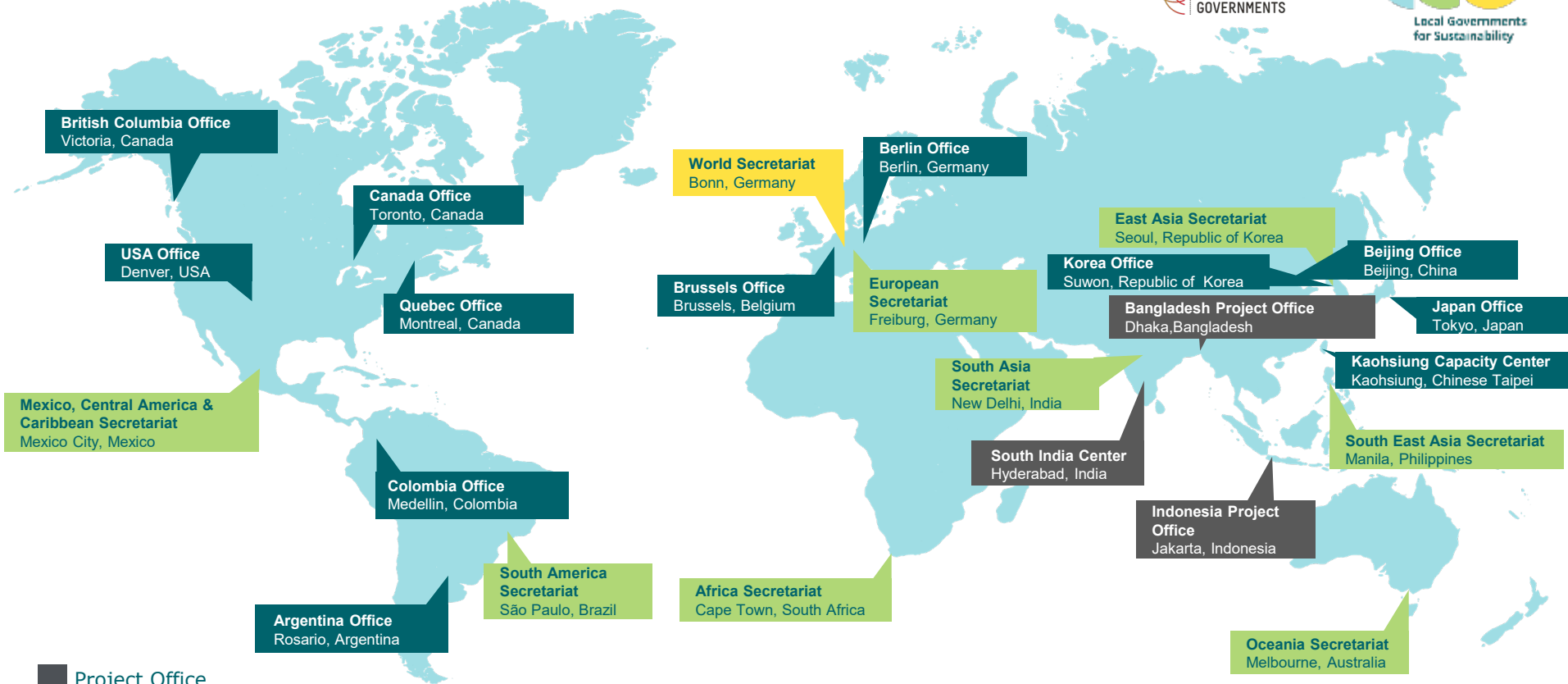
RESILIENT  
DEVELOPMENT



CIRCULAR  
DEVELOPMENT

The **FIVE ICLEI PATHWAYS** are designed to create **SYSTEMIC CHANGE**. The pathways are a framework for designing **INTEGRATED SOLUTIONS** that balance the patterns of human life and the built and natural environments. It is the basis for sustainable urban development that considers the complexity of urban systems. The pathways encourage **HOLISTIC THINKING** to ensure that ICLEI optimizes our impact.

# ICLEI Offices Around The World



- Project Office
- Country Office
- Secretariat office

# We live in an Urban Era

## In 2050, approximately 70% of global population will live in Cities

**We need Sustainable Cities to have a Sustainable World**

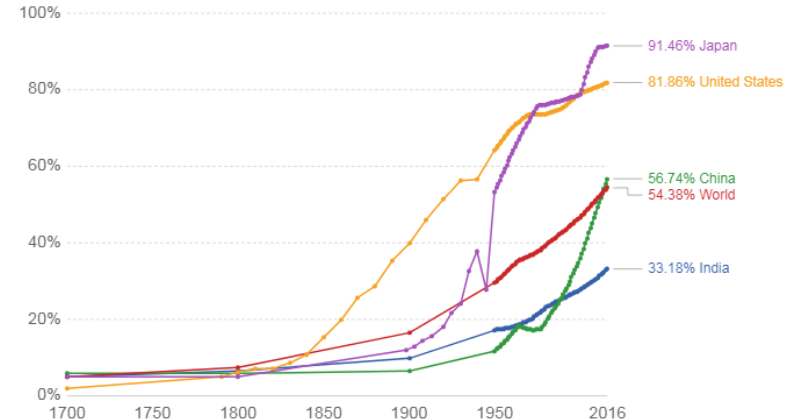


(Photo of Mexico City: PABLO LOPEZ LUZ / BARCROFT MEDIA / Landov)

### Urbanization over the past 500 years

Share of the total population living in urban areas. Urban areas are based on national definitions and may vary by country.

Our World  
in Data



Source: OWID based on UN World Urbanization Prospects 2018 and historical sources (see Sources)

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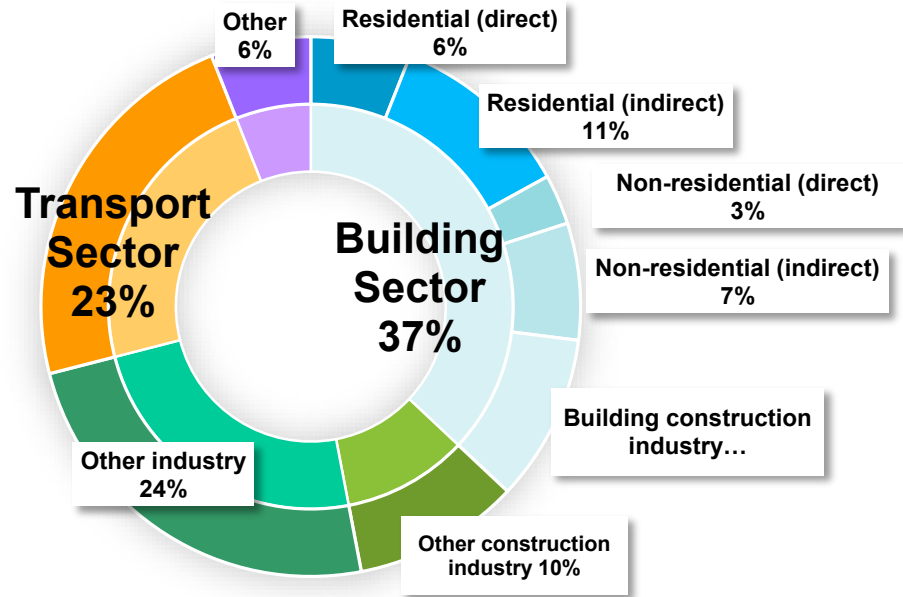
# Challenges faced by the Growing Cities

<Building and Transport Sector>  
Two major sectors that emits CO2

Cities need to address building and transport sector issues to achieve zero carbon but it is also essential for improving quality of life (QOL) of those living in the urban area.

(e.g.)  
Improving energy efficiency (reducing financial burden)  
Improving air quality (healthier environment)

Global energy-related CO2 emissions by sector



Data Source: IEA, Global energy-related CO2 emissions by sector, 2020, IEA, Paris

# Introduction to the Session



## Zero Carbon Challenges: Trends and Initiatives to promote transition in key areas

### <Speakers>

**Missy Stults**, Sustainability and Innovations Director, City of Ann Arbor, USA

Buildings Performance Standards Coalition and A2ZERO Plan

**Sachio Sugiwar**, Director, Eco-City Promotion Department, Environmental Bureau, Sapporo City, Japan

City's actions aiming to reduce emissions with focus on building sector

**Faela Sufa**, Southeast Asia Director, Institute for Transportation and Development Policy (ITDP)

Actions taken in ASEAN cities to transform transportation sector toward zero carbon (Incl. impacts of COVID)

**Nicolas E. Dei Castelli**, Senior Transport Specialist, Sustainable Infrastructure Division, East Asia Department, Asian Development Bank

Low-Carbon Transformation Sector Development Program of ADB in Xiangtan, PRC

**Antonette Anaban**, Assistant City Planning and Development Coordinator, City Government of Baguio, the Philippines

Introducing project on transportation sector in Baguio

