

Climate Change and Redesigning Cities

Responding, Recovering and Redesigning in the Face of COVID-19

Deputy Secretary General, ICLEI – Local Governments for Sustainability

2020.9.29

About ICLEI

ICLEI – Local Governments for Sustainability is a global network of more than 1,750 local and regional governments, supported by a team of experts, driving sustainable urban development. Active in 100+ countries and cities, towns and regions of all sizes, we impact over 25 percent of the global urban population. ICLEI brings a strong urban component to national and global sustainability policies and translates these policies into action.

We create systemic change in urban areas and facilitate city-to-city and city-to-region connections to build a sustainable urban world. Through our collective efforts to build a sustainable urban world, ICLEI shifts the trajectory of global development.

1750+ LOCAL
AND REGIONAL
GOVERNMENTS

22 OFFICES
WORLDWIDE

ACTIVE IN
100+ COUNTRIES

IMPACTING MORE THAN
25% OF THE
GLOBAL URBAN POPULATION

AND MORE THAN
20% OF THE
GLOBAL POPULATION

5 INTERCONNECTED
DEVELOPMENT
PATHWAYS

Background Information

Earth: “Era of 10 billion inhabitants”

Now approx. 7.7 billion, may exceed 10 billion in 2055 (population became 5 billion in 1987)

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

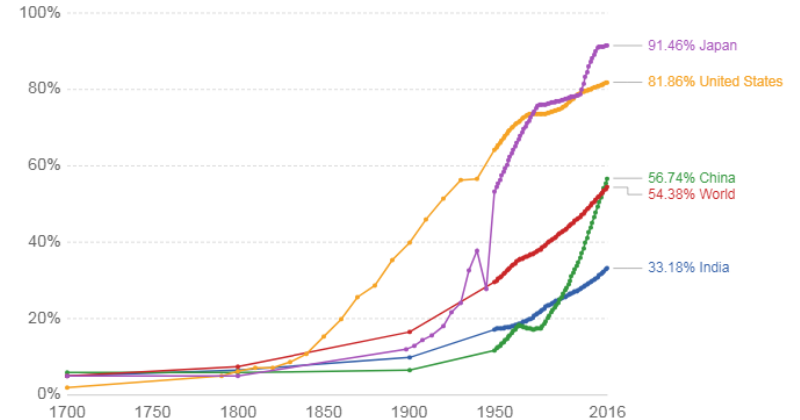


(Photo of Mexico City: PABLO LOPEZ LUZ / BARCROFT MEDIA / Landov)

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)

CC BY

Background Information

Sense of “urgency”

Globally, people are feeling the negative change and sense of urgency are growing

Climate Change → Climate Crisis/Breakdown

Global Warming → Global Heating

Biodiversity Loss → Earth’s Sixth Mass Extinction

COVID19 Pandemic

- Revealed and intensified the gap between the rich and the poor
- Made us rethink conventional development model and the vision of sustainable city
- Poses challenges to cities, not only in financial ways, but also to redesign current socioeconomic and sociocultural systems to be sustainable and resilient

Platform for Redesign

Online Ministerial Meeting (Sep 3, 2020)

With the participation of UNFCCC Executive Secretary Patricia Espinosa, 46 Ministers and Vice-Ministers exchanged their views and information on climate and other environmental measures relevant to the COVID-19 pandemic and over 96 countries participated.

<Chair's summary>

- We stand at a critical turning point in our civilization, as the coronavirus pandemic has affected both our health and economies. Our task is not to return to the pre-pandemic world. Redesigning our socio-economic system for a more sustainable and resilient world is essential.
- Redesign requires three transitions as its foundation; the transition to a decarbonized society, the transition to a circular economy, and the transition to a decentralized society

ICLEI Montreal Commitment and Strategic Vision (Five Pathways)

THE MONTRÉAL COMMITMENT AND STRATEGIC VISION 2018-2024

**SCALE UP
AND EXPAND
SUSTAINABLE
CITIES AND REGIONS**

MAKE SUSTAINABILITY A
FUNDAMENTAL
PART OF ALL LOCAL AND
GLOBAL DEVELOPMENT

TACKLE THE MOST
PRESSING ISSUES OF
OUR TIME TO PROTECT THE
**LONG-TERM INTERESTS
OF CITIZENS**

UNDERTAKE A
**COLLECTIVE
EFFORT**
FOR GLOBAL CHANGE ACROSS ALL
SECTORS AND LEVELS OF GOVERNMENT

The five pathways



LOW EMISSION
DEVELOPMENT



NATURE-BASED
DEVELOPMENT



EQUITABLE
AND PEOPLE-
CENTERED
DEVELOPMENT




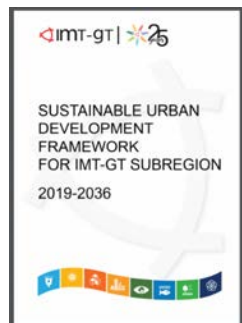
RESILIENT
DEVELOPMENT



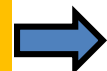
CIRCULAR
DEVELOPMENT

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.

	Total Cost of Investments	Total GHG Emissions Reduction (per annum)	Total Fuel Saved (per annum)	Total Electricity Consumption Reduced (per annum)
	Million USD	Million tonnes of CO ₂ equivalent (million tCO ₂ e)	Million litres	Million units (kWh)
Action Plan 2019 - 2023	5,367	2	42	1,263
Action Plan 2019 - 2036	16,934	6	142	4,757

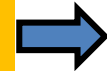


**Total Annual Electricity Consumption Reduction Potential:
4,757 Million kWh**



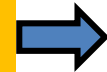
**Equivalent Melaka's State Annual Electricity Consumption
1.27 Million Passenger Diesel Vehicles Driven for a year**

**Total Annual GHG Emissions Reduction Potential:
6 Million tCO₂e per annum**



Only USD 12.75 Per Person Per Year from 2019 to 2036

**Total SUDF Investment Potential:
USD 16.93 Billion**



Thank You