

LEARN & ACT

# Sustainable Cities



# Table of Contents

## Introduction

1. Let's learn about sustainable cities
2. Current global status on cities
3. Why are cities not sustainable?
4. Goal of the international community to make sustainable cities
5. The most important tasks in making sustainable cities
6. International efforts to make sustainable cities
7. Brainstorm ways to make sustainable cities

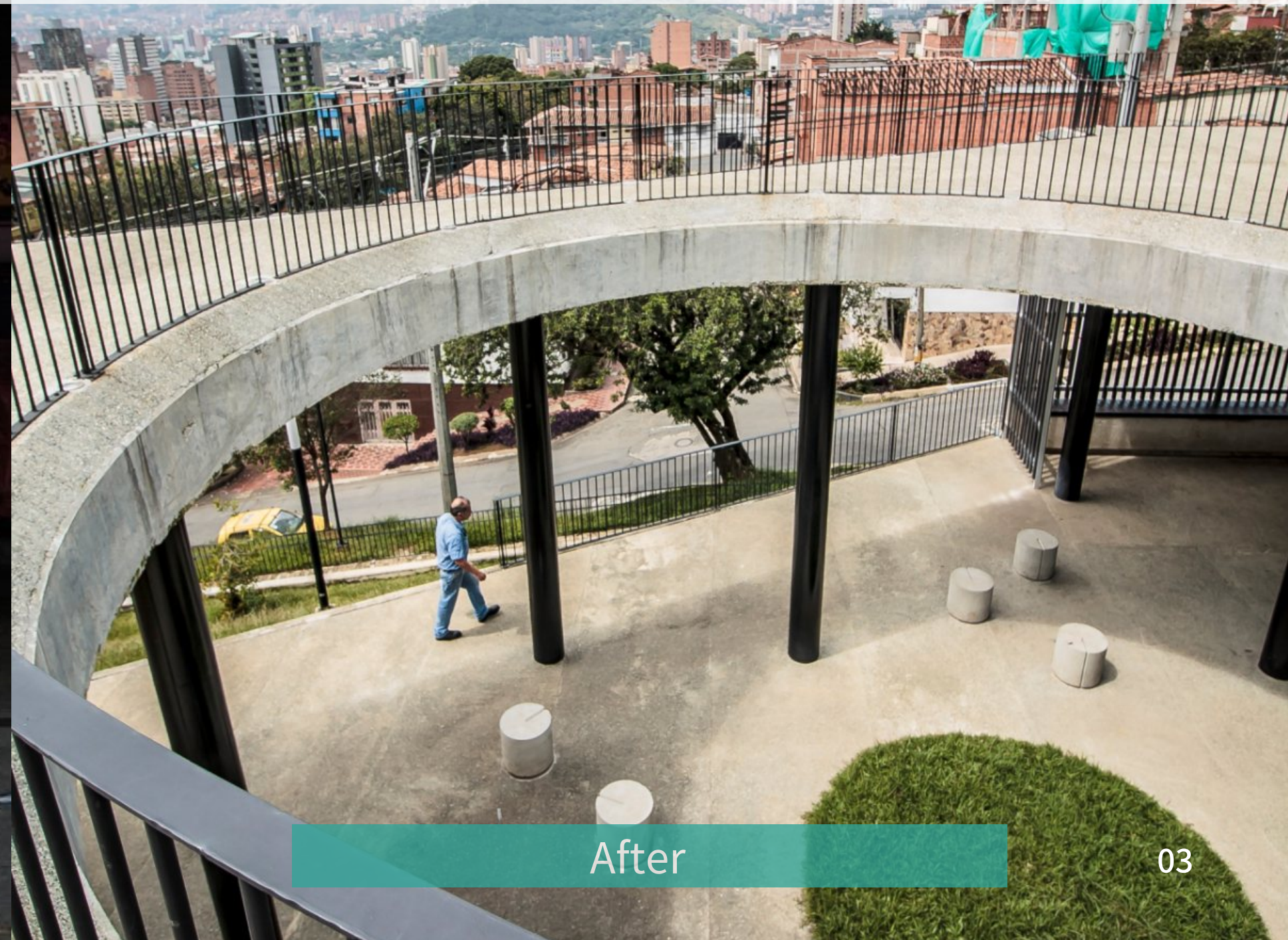


# Changing cities transforms the lives of urban residents

## Medellín, Columbia: From city of drugs to a city of cultural revolution



Before



After

## Introduction



## Changes in Medellín



To supply  
cable cars



Transportation  
policy



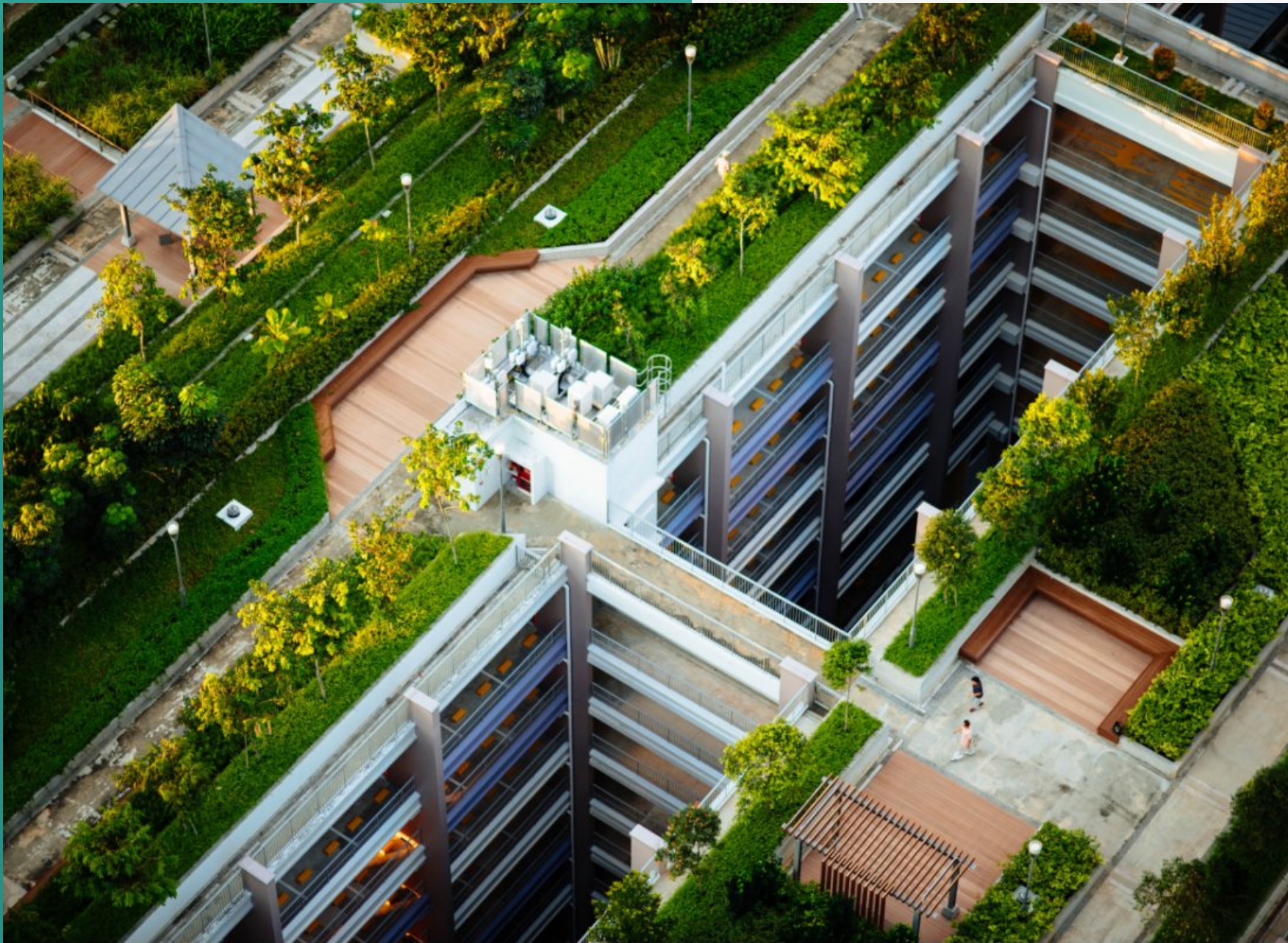
Encouraging  
arts and culture



Parks  
in the city



Innovative  
libraries



# 01

## Let's learn about sustainable cities

# 01. Let's learn about sustainable cities



## What is a city?

City is a large human settlement and is usually the center of politics, economy, and social culture.



## What is a sustainable city?

Trying to resolve the problems caused by rapid urbanization and population growth

## Mega City vs. Metropolis



©Smartcitiesworldu

### Mega City

Over 1 million residents



©intelligentcitieschallenge.eu

### Metropolis

300,000 ~ 1 million residents



# 02

## Global current status of cities



## 02. Global current status of cities

### 1) Environmental pollution



75%

©dana.org

**75%** of global carbon emitted  
by **3%** of the earth's surface



4.2  
million

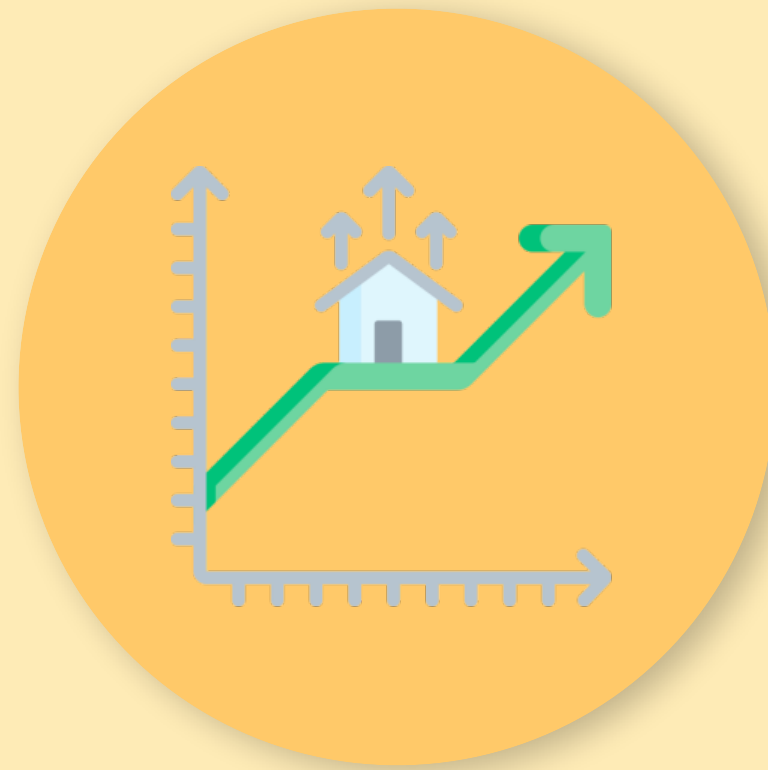
4.2 million die prematurely  
from **outdoor pollution** every year

## 02. Global current status of cities

### 2) Lack of infrastructure



**Shortage  
of jobs**



**Shortage in housing  
& rising prices**



**Increase in traffic  
congestion**

## 02. Global current status of cities

### 3) Creation of slums in cities

# What is a slum?

A slum is a contiguous settlement where the inhabitants are characterized as having inadequate housing and basic services

The number of people living in slums has exceeded **1 billion** worldwide



# 03

## Why are cities not sustainable?

### Rapid urbanization



#### **STEP1.**

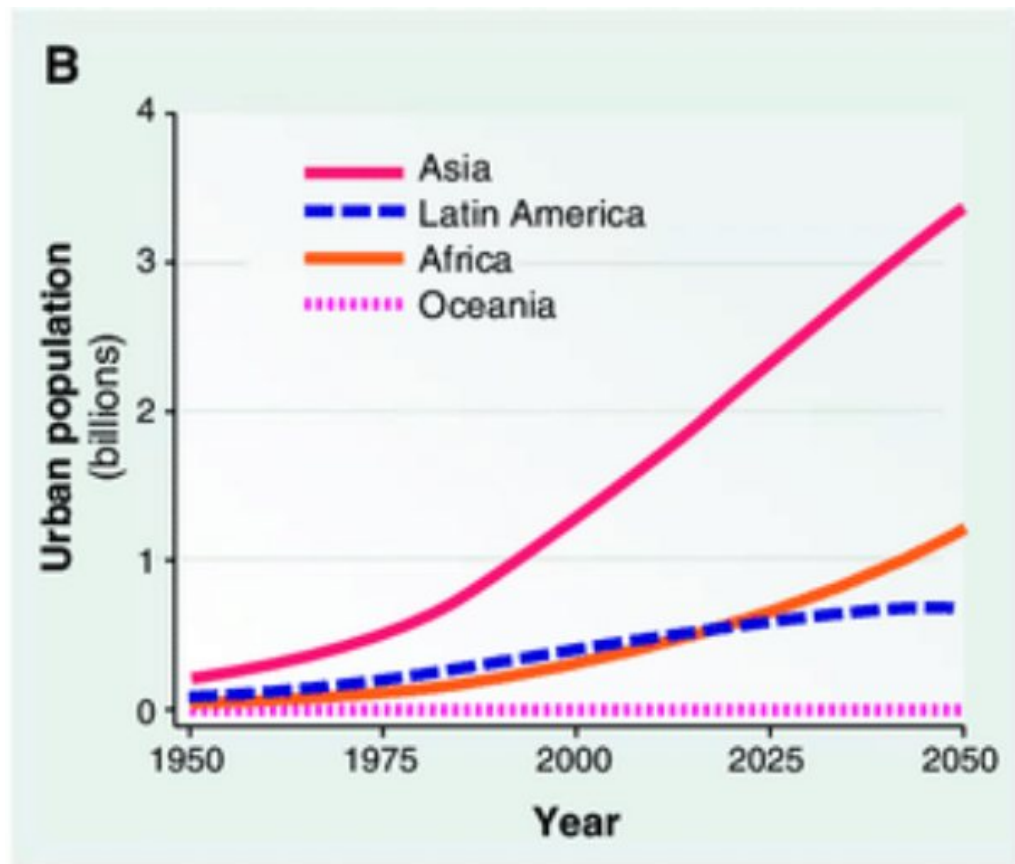
**Unplanned  
house-building**

#### **STEP2.**

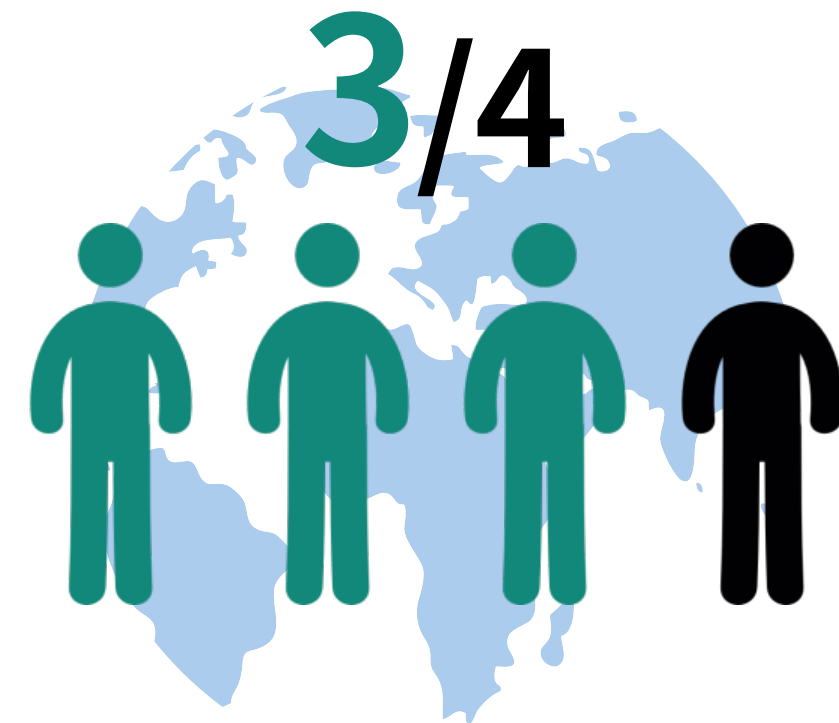
**Electricity, water, roads,  
and other necessary  
infrastructure are supplied**

# 03. Why are cities not sustainable?

## Urban population growth



Urban population doubled since 1975



Three out of four people live in cities



# 04

**Goal of the international community for sustainable cities**

## 04. Goal of the international community for sustainable cities



### | UN Sustainable Development Goal #11 ‘Sustainable Cities and Communities’

#### | Significance of sustainable cities and communities

To make every city and human settlement inclusive, safe, resilient and sustainable



## 04. Goal of the international community for sustainable cities

---

### | SDGs 11. Targets

11.1 By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums

11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons

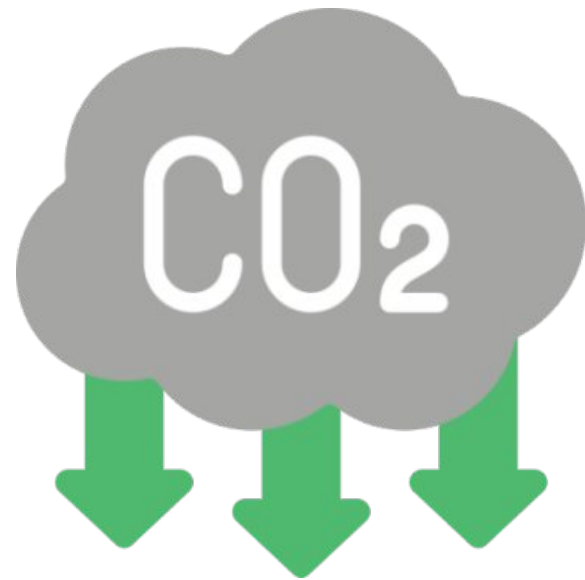
11.3 By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries

11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations

11.6 By 2030, reduce adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management

11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities

## 04. Goal of the international community for sustainable cities



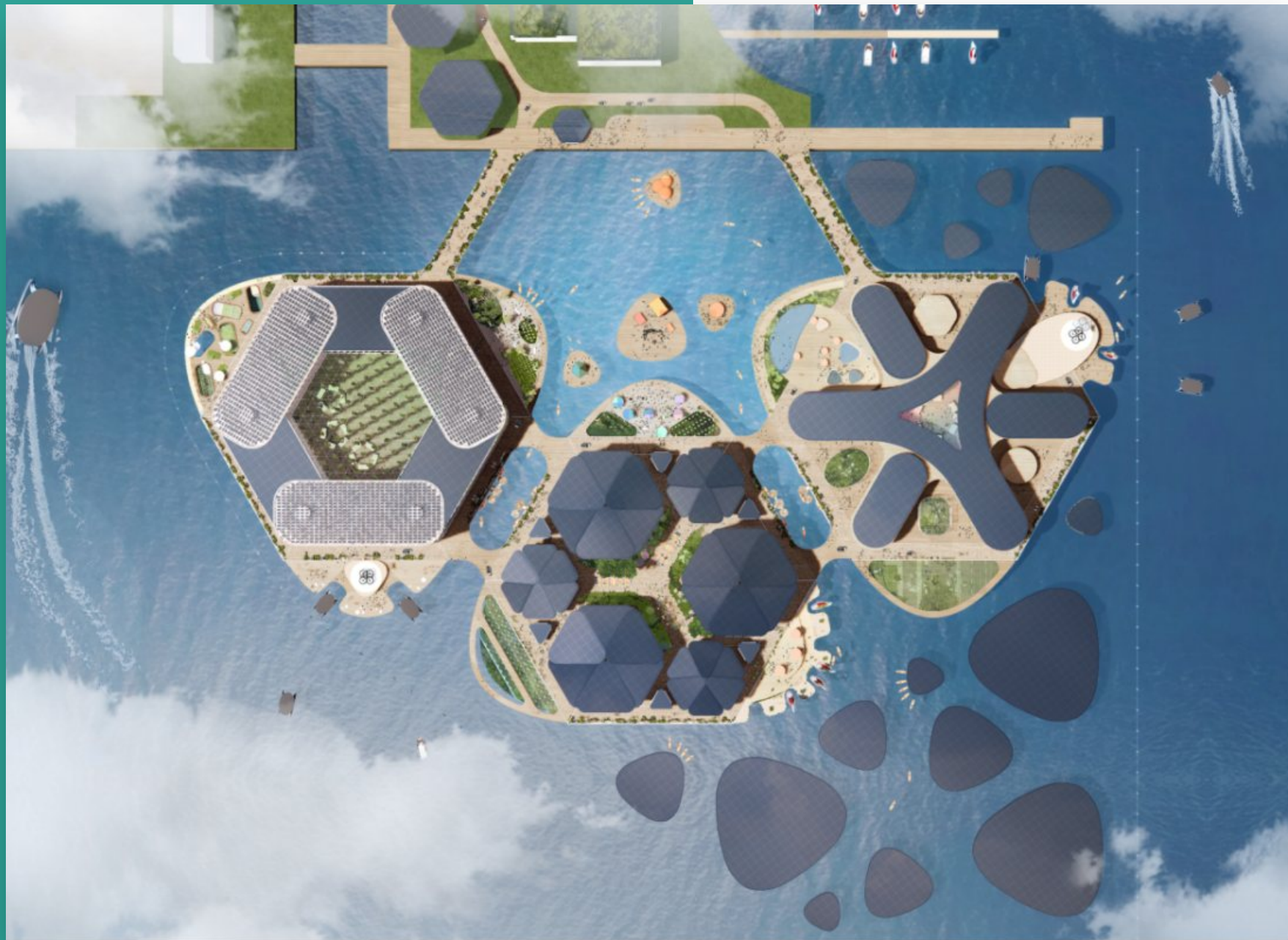
- ✓ To reduce greenhouse gas emissions



- ✓ To build smart cities to help solve problems



- ✓ To create a city of equality



©UNHABIT

# 06

## International efforts to make sustainable cities

### A. UN-Habitat: toward an improved quality of life for all in an urbanizing world

- 1) To resolve **space inequality**
- 2) To strengthen **joint prosperity** of cities and neighboring regions



©UNHABIT

### B. Coalition for Clean Air provides a way to overcome air pollution

- To improve **air quality** and **protect public health** in the state
- Launched the **Smog Check Program**

COALITION FOR  
**CLEAN AIR**



## 06. International efforts to make sustainable cities

### In Paris, France

#### Cleaner Paris Project

Appointing citizens as Clean Ambassadors to communicate with the city government

Civil complaints app

Encouraged citizens to participate in maintaining cleanliness

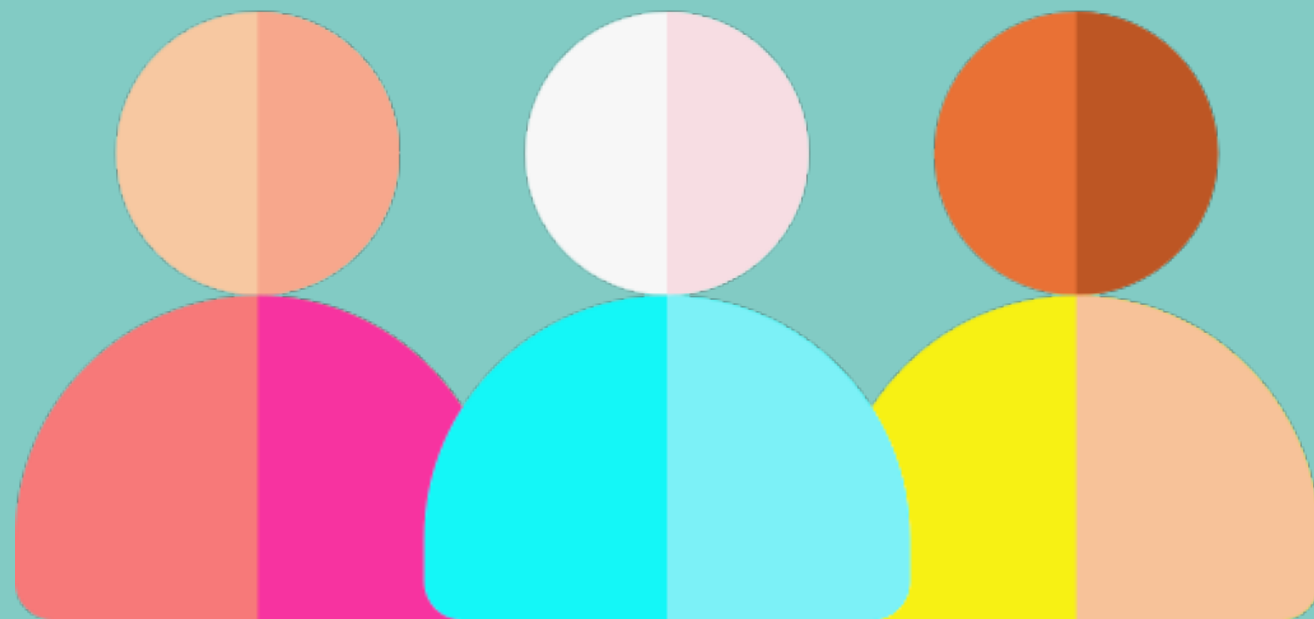




# 07

## A brainstorming session

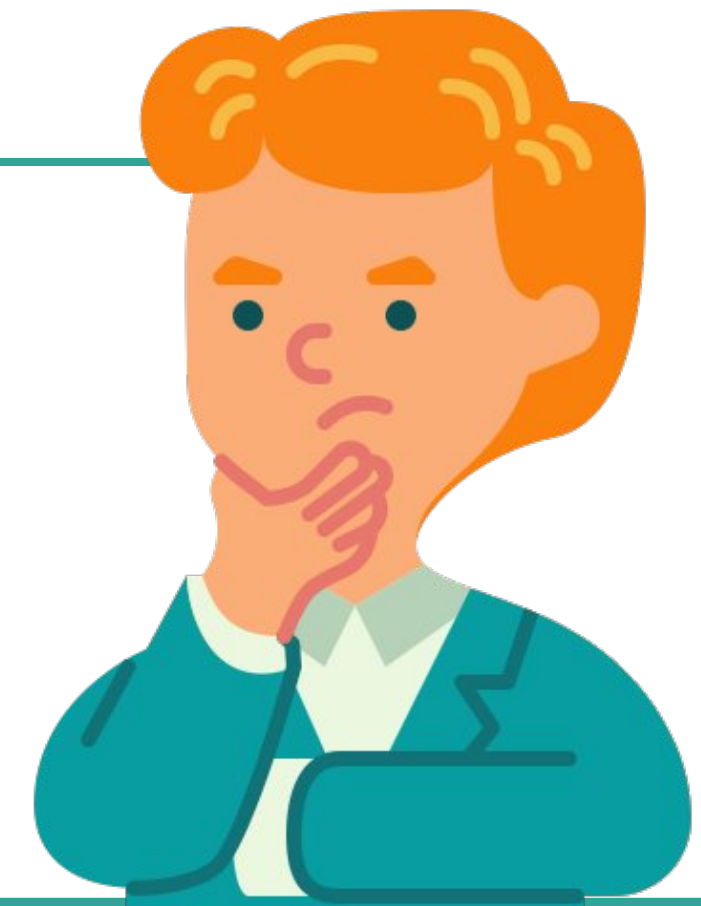
Let's review what we learned today  
and think together!





**How can we contribute to making sustainable cities ?**

---





## What Is the Most Sustainable City in the World?



[https://youtu.be/fsWr0LfM\\_uQ](https://youtu.be/fsWr0LfM_uQ)



THANK YOU