



Global Platform for Sustainable Cities



WORLD BANK GROUP

Objective & Context



- **GEF: Global Environmental Benefits - CO2 Emission Reduction**
 - Tools for assessing Integrate Urban Planning (e.g. land use/urban form, sectoral strategy)
- **Supporting cities for better planning and urban strategy**
 - CO2 reduction is part of many other benefits

Integrated Urban Planning Levers

Lever 1- Land Use Change and Urban Form

(Compact Urban Development)

Lever 2- Single Sector Technology Strategies

Lever 3- Cross-sector Technology Strategies

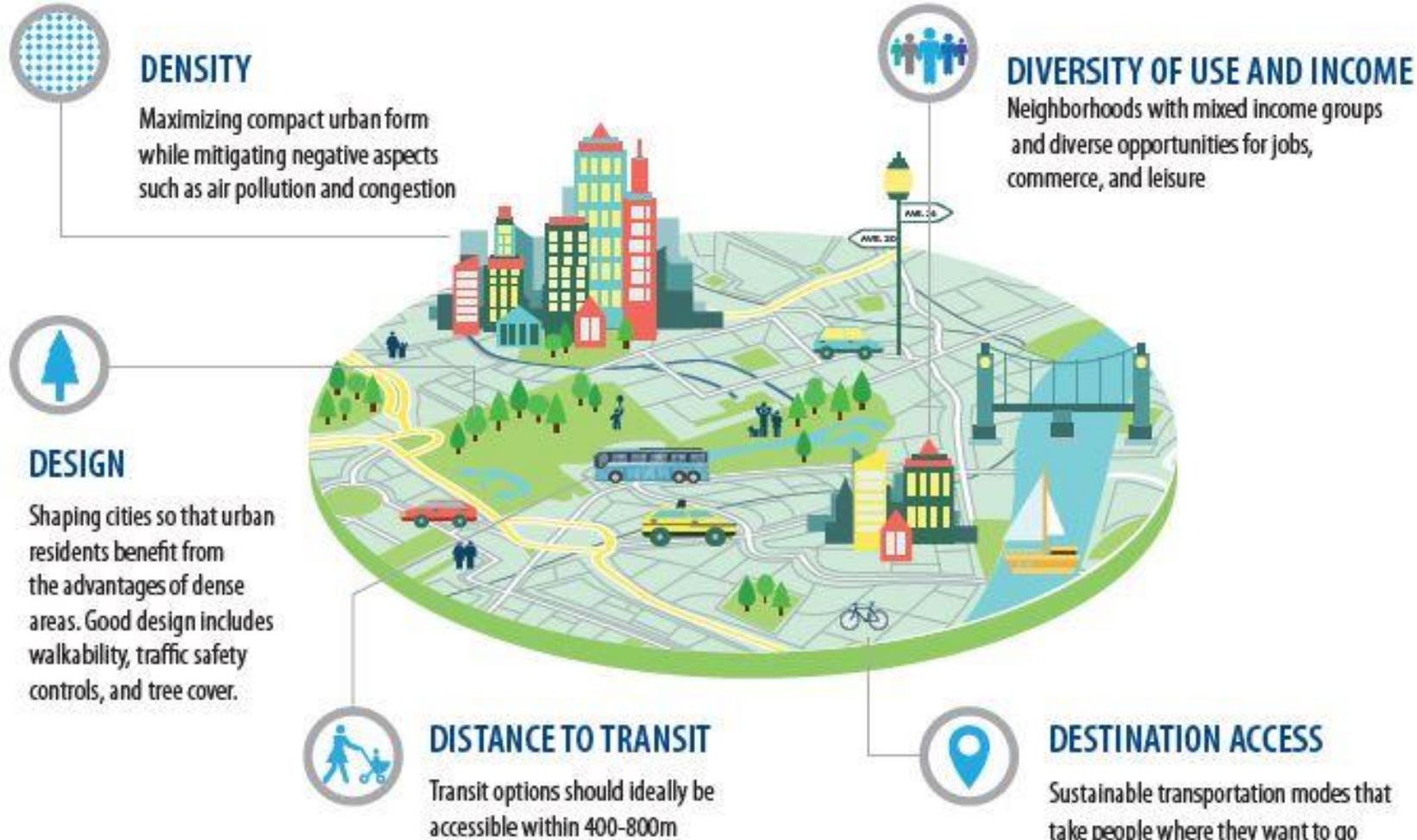
Lever 4- Behavior Change and Policy Strategies

The 5D Compact City Framework Is An Essential Tool

A city can combine multiple nodes of high-density development with a rich mix of housing, jobs and amenities at the neighborhood level, connected via transit lines and surrounded by medium and low-density areas in the rest of the metropolitan area.

HIGH DENSITY: Approx. 15,000 persons/km²

LOW DENSITY: Approx. 7,500 to 10,000 persons/km²



Average density is less important than **articulated** and **accessible** density.

Articulated density – High-rise multi-use construction around transit nodes are situated next to mid-rise buildings in street networks with human-scale blocks that facilitate walking and diverse travel modes

Lever 2- Single Sector Technology Strategies: Seven Key Sectors— providing:

- energy
- water
- buildings/shelter
- transportation/communications
- food
- wastewater/water management
- public spaces

Post –Modeling Process

- Establishing Indicators to monitor progress, and adjust pathway to achieve goals
- Gathering data to share knowledge and refine the model
- Sharing lessons



Thank You! We look forward to scaling-up our collaboration.

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