

Urban Growth at an Unprecedented Scale



Up to 2060, the world is expected to add the equivalent of an entire New York City to the world, every month, for 40 years.

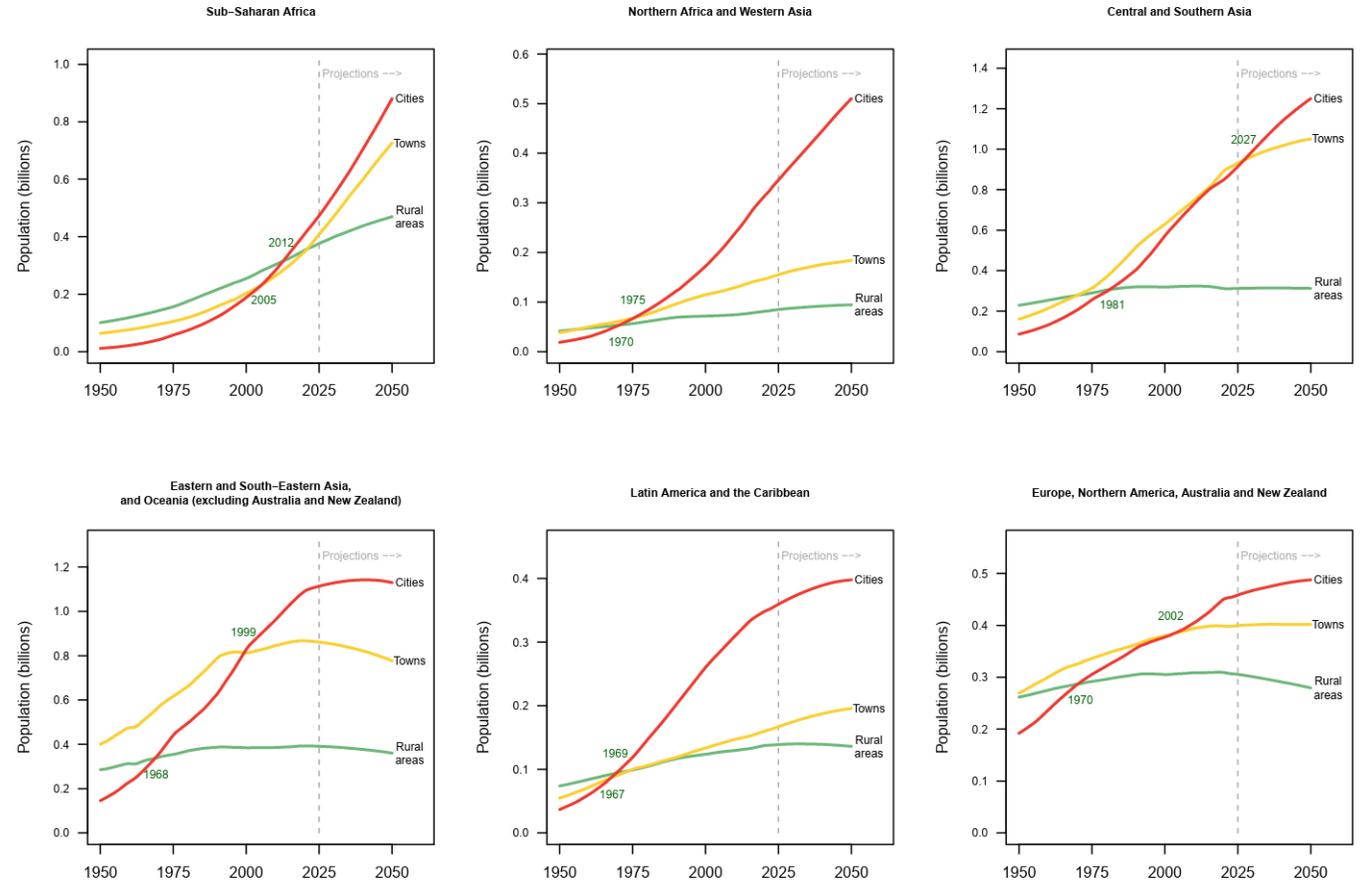
- Architecture2030.org



Three-quarters of the infrastructure that will exist in 2050 has yet to be built

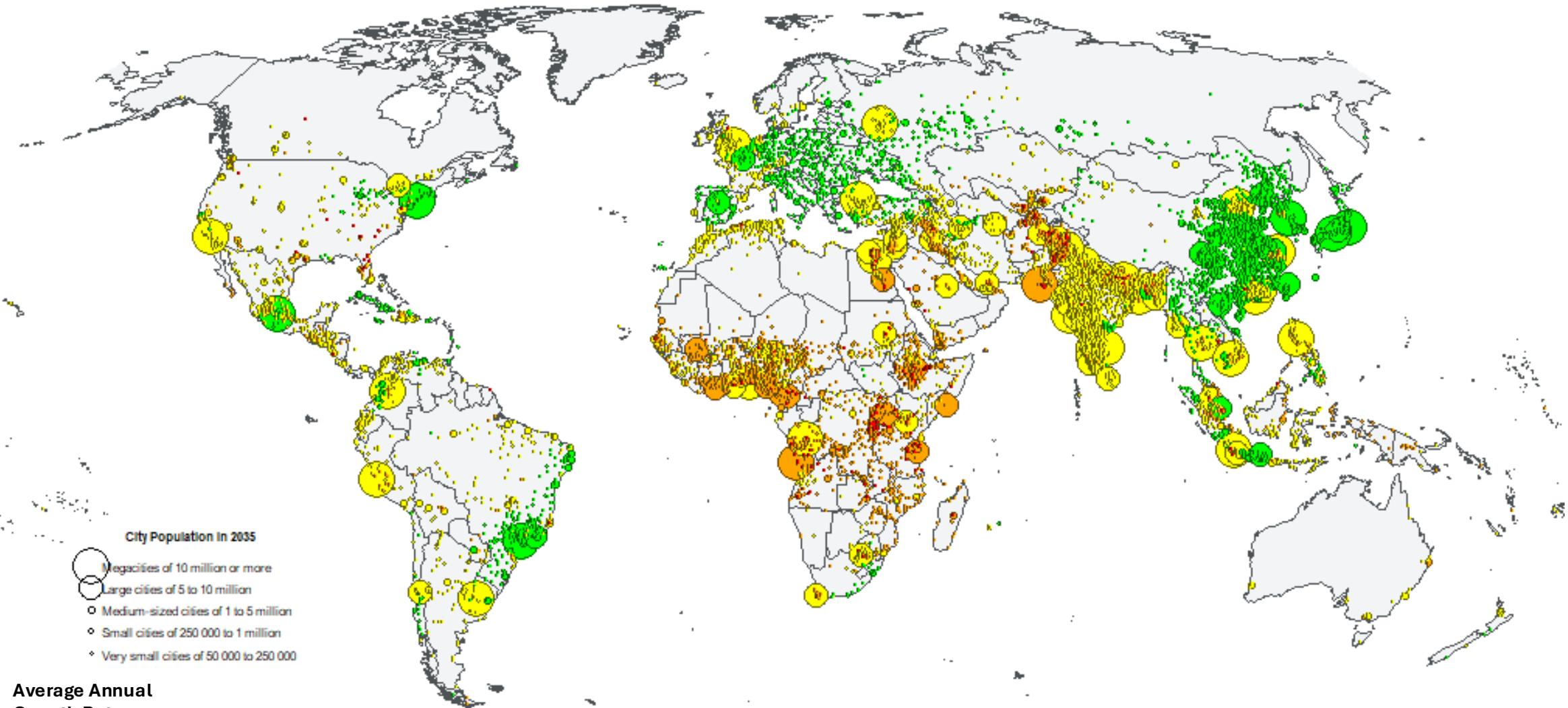
- Antonio Guterres - UN SG

Population living in cities, towns and rural areas by region, estimates, 1950–2025, and projections, 2025–2050

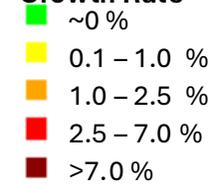


Source: World Urbanization Prospects 2025 (United Nations, 2025).

City population growth rate in 2035-2050

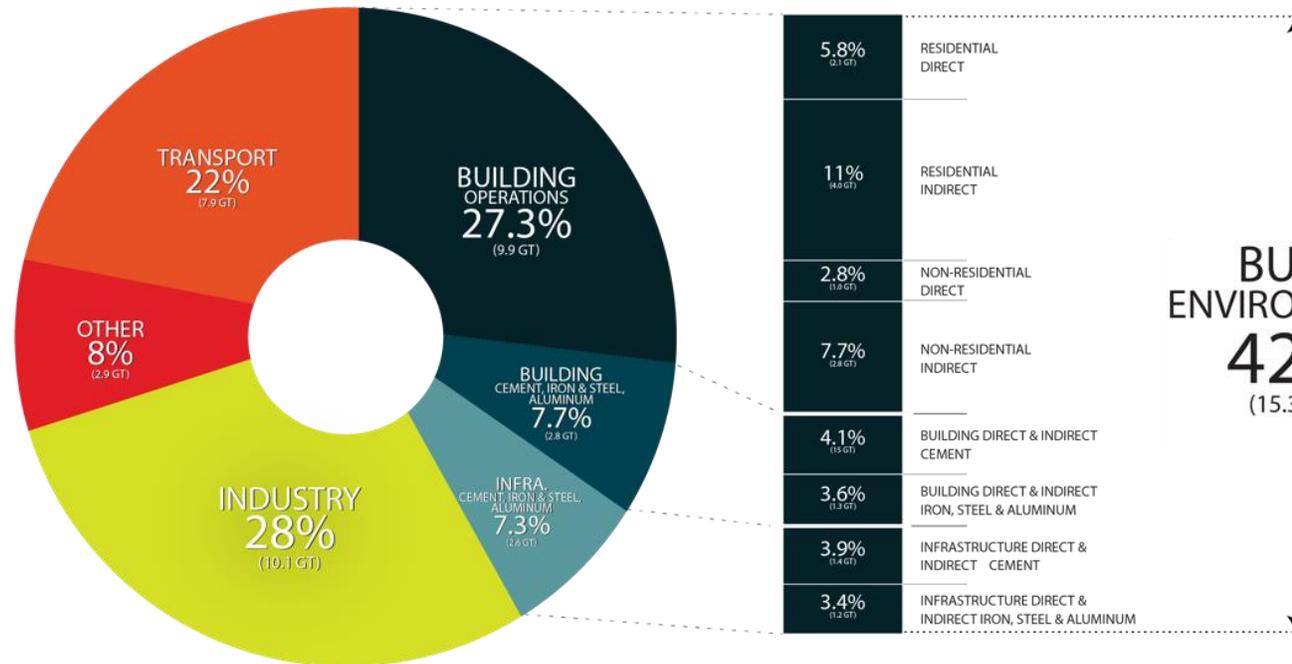


Average Annual Growth Rate



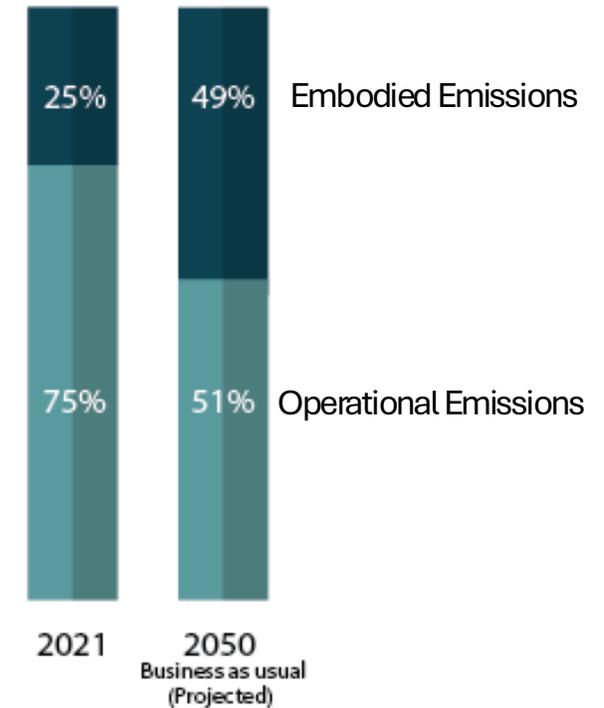
Energy and Buildings

TOTAL ANNUAL GLOBAL CO₂ EMISSIONS
Direct & Indirect Energy & Process Emissions (36.3 GT)



42% of Global Emissions are from the Built Environment

% of Building Sector Carbon



Strong Shift towards Embodied Emissions ahead.

Greenhouse Gasses in Buildings



Extract, transport and manufacture

Transport, construct and install

Use phase: maintain, replace, renovate

Use phase: operate

Deconstruct, post-process



Embodied carbon
Emissions from material production and processing, transport

Operational carbon
Emissions from energy, water use, mobility