

Urban populations grew even faster at an annual average rate of 3.0 percent, increasing to 778 million in 2010 – the largest of any region in the world. Other sources indicate that it took more than 50 years for the same number to become urbanized in Europe.

The report finds a direct link between urbanization and income growth, showing how economic output per capita increased throughout the region as the percentage of people living in urban areas went up.

The report says that there are 869 urban areas with more than 100,000 people in the East Asia region. They include eight megacities of more than 10 million people: the Pearl River Delta, Shanghai and Beijing in China; Tokyo and Osaka in Japan; and Jakarta, Seoul and Manila. China's Pearl River Delta has overtaken Tokyo to become the largest urban area in the world in both size and population.

At the same time, there was significant growth in smaller urban areas. In fact, the 572 smallest urban areas – with populations of 100,000 to 500,000 – as well as the 106 medium-sized urban areas with populations of 1 million to 5 million, have more total land area than the eight megacities.

A notable feature of this expansion is that urban areas are also getting denser on average, which if well managed, can be good for the environment and can lead to more efficient provision of services to people. However, this growth poses a significant challenge due to metropolitan fragmentation, with almost 350 urban areas spilling over local administrative boundaries. In some cases, multiple cities are merging into a single entity while they continue to be administered separately.

As urbanization transforms the face of East Asia, governments and local leaders trying to understand and respond have been hampered by a lack of internationally comparable data because countries use differing definitions of urban areas and populations.

The new data set was created to address this challenge by using satellite imagery and techniques for modeling population distribution, mapping all human settlements to achieve a common understanding of urbanization trends. This approach can systematically establish where urbanization is occurring, how fast it is happening, and how population growth relates to

PUMA, the World Bank's new platform for urban spatial data

Video: Better Urban Development Through Data For Speech by World Bank Group President Jim Yong Kim at Howard University: "Boosting Shared Prosperity"

RELATED
Urban Development at the
World Bank

"Once cities are built, their urban form and land-use patterns are locked in for generations," said

Marisela Montoliu Munoz, Director of the World Bank Group Social, Urban, Rural and Resilience

Global Practice. "Improving the quality of data to understand trends in urban expansion is

important, so that policy makers can make better-informed decisions to support sustainable

communities in a rapidly changing environment, with access to services, jobs and housing."

Despite such significant and rapid growth, the data reveals that less than one percent of the total area in East Asia is urbanized, and only 36 percent of the total population is urban – suggesting that the region's urban expansion has only just begun. While urbanization in the region is largely driven by market forces, policy makers at the national and municipal levels have an important role to play in ensuring that it is sustainable and inclusive:

- Prepare for future spatial expansion by facilitating access to land so expansion can occur
  efficiently, using mechanisms such as guided land development, land pooling and
  readjustment, land sharing and transfer of development rights.
- Ensure economically efficient urbanization by addressing the entire system of cities through
  national urbanization strategies, supporting public investments in a range of large, small and
  medium-sized cities to foster diverse economic activity.
- Make urbanization inclusive by planning spatial growth to help reduce inequality in access to
  economic opportunities and address the vulnerabilities of recent migrants.
- Foster sustainable urbanization by ensuring high-density urban areas are well located, planned and coordinated to produce a walkable, livable environment.
- Overcome metropolitan fragmentation by coordinating urban services across municipal boundaries, using regional government authorities and other mechanisms.

"Getting urban form, density, and administrative coordination right will be essential to help end extreme poverty and boost shared prosperity," said Abhas Jha, the Practice Manager for the World Bank Group Social, Urban, Rural and Resilience Global Practice.

## EAST ASIA URBAN EXPANSION IN NUMBERS (2000-2010)

**200 million:** East Asia's newly ur urban population, equivalent to the world's 6th largest country

**42 million:** Total population of Pearl River Delta, world's largest urban area – more than Argentina, Australia, Canada and Malaysia

2.4%: Average urban land growth per year

1%: Total area of urban land in 2010

36%: Total urban population in 2010, up from 29% in 2000

869: Total urban areas with more than 100,000 people

.....

This study was made possible through the generous support of Australian Aid.

To read the full report, visit: http://www.worldbank.org/eap/measuringurbanexpansion

To view maps and download data, visit: puma.worldbank.org

\_\_\_\_\_

## **Urban Expansion Data Analysis Competition**

To further improve our understanding of urban expansion, the World Bank is calling for submissions of (1) <u>data visualization</u> and (2) <u>proposals for a policy research paper</u>, using the new data set introduced in the report "East Asia's Changing Urban Landscape: Measuring a Decade of Spatial Growth." For more information, visit: <a href="http://www.worldbank.org">http://www.worldbank.org</a> /eap/measuringurbanexpansion