

CLIMATE CHANGE

in Asia and the Pacific



Scientists warn that the world's climate is changing because of rising greenhouse gas emissions that might end up warming the planet by well over 2 degrees. Here are some glaring numbers that show the impacts of climate change in Asia and the Pacific.

Asia is key

35%

percentage of worldwide energy-related carbon dioxide emissions from developing Asia, compared to 17% in 1990.



70% percentage of the region's emissions that comes from the People's Republic of China. The country's per capita emission, however, is only about **50%** of the developed world's average.

2030

the year when developing Asia's share in global energy-related emissions could reach about

45%

without greater use of renewable energy and improved energy efficiency.

Impacts to the Region

7 out of the 10

nations at greatest risk to climate change and natural disasters globally are in Asia and the Pacific, and 3 of these are small Pacific island states.



20 million

number of Bangladeshis who will be displaced by a **1-meter** rise in sea level in 2050.



More than > 60%

number of the region's population working in agriculture, fisheries, and forestry, the sectors most at risk to climate change.



300 million to 410 million

estimated increase of Asian urban dwellers at risk of coastal flooding by 2025. In inland areas, the number of people at risk will rise from **245 million** to **341 million** by 2025.

DISASTER RISK MANAGEMENT



\$53.8 billion annual average economic cost of disasters in Asia and the Pacific.

\$40 billion budget required annually to help Asia and the Pacific transition to low-carbon and climate-resilient economies.



approximate amount of ADB investment in clean energy related projects since 2008, with **\$2.1 billion** in 2011 alone.

Sources

¹ Emissions Database for Global Atmospheric Research (EDGAR)
² Key World Energy Statistics
³ World Energy Outlook 2012
⁴ World Risk Report 2012
⁵ Pender, J.S. 2008. What Is Climate Change? And How It Will Effect Bangladesh. Briefing Paper. Final Draft). Dhaka, Bangladesh: Church of Bangladesh Social Development Programme.

⁶ Stern Review on the Economics of Climate Change
⁷ Stern Review on the Economics of Climate Change
⁸ Massive investments are required
⁹ Fact Facts: Vulnerable Cities - Waking Up to the Need for Urban
¹⁰ Stern Review on the Economics of Climate Change

ADB Asian Development Bank
FIGHTING POVERTY IN ASIA AND THE PACIFIC
<http://www.adb.org/themes/climate-change/>