Building a Climate Resilient Asia:

ADB's emerging experience and Role of APAN

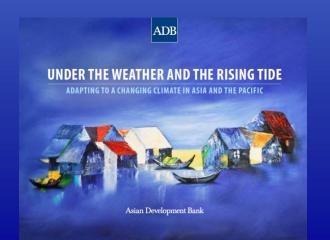
Kotaro Kawamata Asian Development Bank

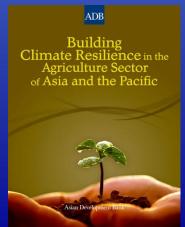
Asia Pacific Climate ChangeAdaptation Forum Focus event on Asia Pacific Adaptation Network, Bangkok, 22 October 2010

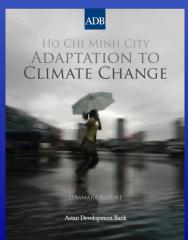


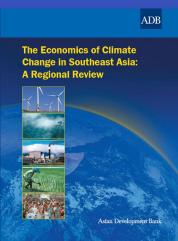
Opportunities for ADB to Help DMCs Build Climate Resilience

- 1. Promote sustainable development
- Support climate change adaptation in countryled development processes
- 3. Step up policy, research, knowledge, and capacity development
- 4. Mobilize concessional and innovative finance









Example 1: A Programmatic Approach to Build Climate Resilience The Pilot Program for Climate Resilience

- Objective: To help countries pilot and demonstrate ways to integrate climate risk and resilience into core development planning while complementing other ongoing activities.
- Partnership arrangement: Jointly administered by ADB,
 World Bank, IFC, and other regional development banks.
- Financial Pledges: \$720 million USD; about \$40-50 million for each pilot country.
- Pilots in Asia- Bangladesh, Cambodia, Nepal, Tajikistan and the Pacific region.
- Important to share lessons learned with other countries in the region.

Example 2: A Planning Approach to Build Climate Resilience Climate Change Impact and Adaptation in Asian Coastal Cities

By 2050, 30-70% of new transport systems are at risk of flooding.

DONG NAI DONG NAI A VUNG TAU Inundation depth Inundation depth 0.005 - 0.49 0.005 - 0.49 1.1 - 1.5 1.6 - 2.0 TIEN GIANG

HCMC - Existing and planned HCMC - Existing and planned Existing airport Province boundary Planned highway HCMC Boundary railway, metrro, airport, port transport network affected by Planned airport HCMC boundary Existing ring road and transport stations affected Uban districts extreme flood 2050 Existing port Uban district Planned ring road by extreme flood 2050 (high emission) with Planned port Diametrical road River, canal (high emision) with flood control system Transport Station Main intersection - - Dyke flood control system - Metro, Inner city railway

Example 3: Climate Proofing Projects Timor: Road Development Network Project

Climate Proofing Activities:

A "no-regret" approach to climateproofing was taken that includes engineering and bioengineering adaptation measures.

- Project cost increased by about 10%
- Result is that the 230 kilometers of roads to be rehabilitated by the project will be less vulnerable to the impacts of climate change.
- ADB is developing sectoral guidance for climate proofing projects.





Role of APAN

- Share lessons learned with stakeholders Website of APAN, Adaptation Forum
- 2. Share knowledge and build capacity on downscaling climate projections and vulnerability assessments
- 3. Develop useful guidance for governments, practitioners and communities
 - i.e. Ecosystem based Adaptation

Thank you

See more information on http://www.adb.org/Climate-Change/default.asp