

# ADB Climate Change Program Overview

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# ADB Climate Change Program

Priorities	Modalities		
	Finance	Knowledge	Partnership
	Scaling-up Clean Energy		
	Encouraging Sustainable Transport and Urban Development		
	Managing Land Use and Forests for Carbon Sequestration		
	Promoting Climate-resilient Development		
	Strengthening Policies, Governance and Capacity		

# Financing

**\$140-\$175 billion**

**Annual mitigation costs in developing countries by 2030**

**\$8.9-\$18.1 billion**

**Indonesia's mitigation financing needs by 2020 under 26% & 41% reduction targets**

**\$40 billion**

**Annual adaptation costs in developing countries in Asia and the Pacific until 2050**

**80%**

**Private sector's stake**

**Urgency**

**Emissions need to peak in the next decade**

**\$2.4 billion**

**ADB climate mitigation finance in 2013**

**\$1.1 billion**

**ADB climate adaptation finance in 2013**



# Major Programs

## Scaling-up Clean Energy

### Clean Energy Program

**Smaller developing countries**

**Demand side clean energy**

**Monitor development results**

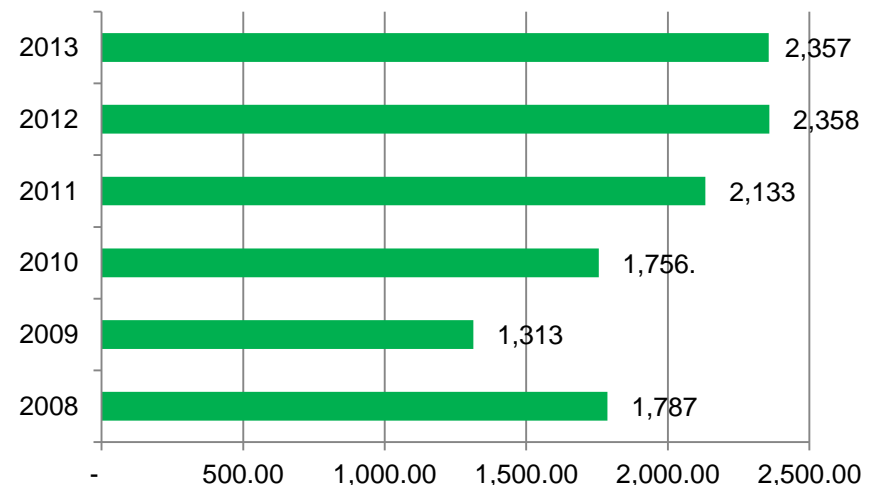
**Annual target:**

**-\$1 b 2008-2012**

**-\$2 b 2013 onwards**



ADB Clean Energy Investments, \$ million



# Major Programs

ADB

## Scaling-up Clean Energy

**Quantum Leap in Wind Power Initiative**

**Asia Solar Energy Initiative**

**Energy for All Initiative**

**New Energy Efficiency Initiative**





# Major Programs

## Sustainable Transport & Urban Development



**Avoid** unnecessary vehicle kilometers



**Shift** to the lowest-emitting modes



**Improve** vehicle/fuel technology towards cleaner and more efficient options

# Major Programs

## Sustainable Transport & Urban Development

### ADB Green Cities Initiative

#### **Built Form**

Green buildings, Densification, Integrated Land Management

#### **City Greening**

Public Space, Street lighting, Habitats, Greenways

#### **Transport**

Low-carbon, zero emission, Non motorized, road user charging

#### **Resilient Infrastructure**

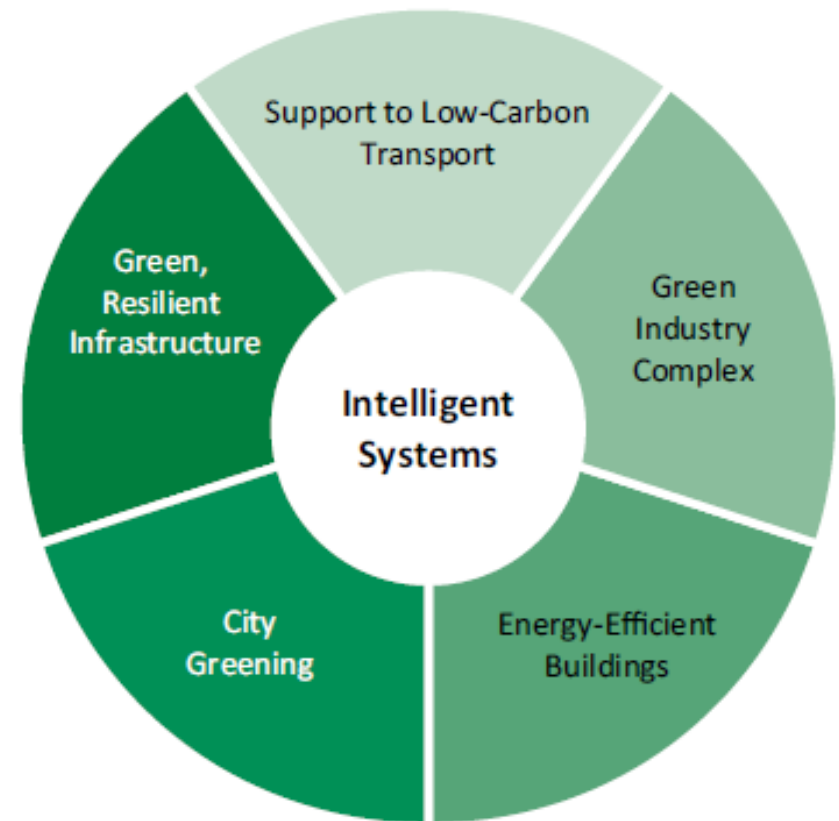
Water, sanitation, solid waste

#### **Energy**

Clean Energy, Renewable Energy

#### **Industry**

Recycling, Brownfield Redevelopment



## Managing Land Use & Forests for Carbon Sequestration

### Reducing Emissions from Deforestation and Forest Degradation (REDD+)

**Avoiding deforestation**

**Managing forests sustainably**

**Supporting livelihoods**

**Protecting biodiversity**





# Major Programs

## Promoting Climate-resilient Development

- 1. Integrate into national development plans**
- 2. Build resilience of vulnerable sectors**
- 3. Assist member countries in climate-proofing projects**

**Priority to LDCs and the highly vulnerable**



# Major Programs

ADB

## Financing and Technology Transfer

**Asia Climate Change and Clean Energy Venture  
Capital Initiative**

**Exchange to Transfer Low Carbon Technologies  
to Asia and the Pacific**

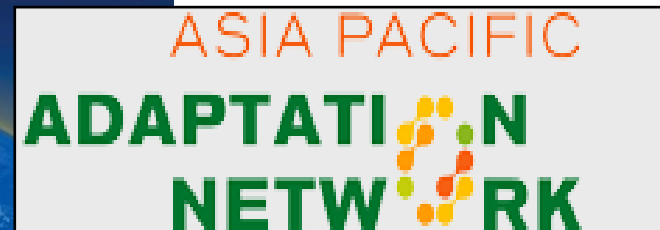
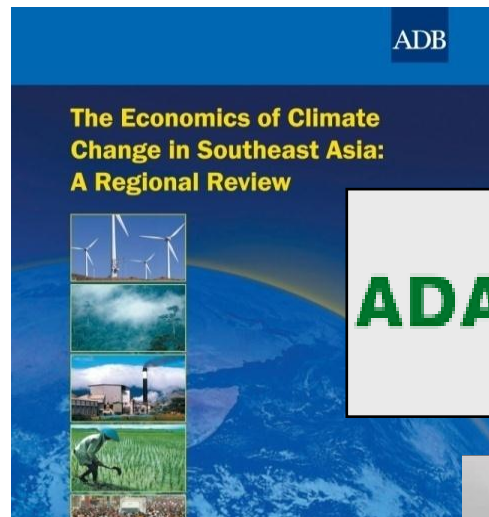
**Climate Public-Private Partnership Fund**

**Carbon Market Program**



- **Knowledge and Outreach**

- Climate Finance (with MDBs, others)
- Asia Pacific Adaptation Network (with UNEP, IGES, others)
- Asia Clean Energy Forum, Urban Forum, Transport Forum (with several partners)



- **Key Studies**

- economics of climate change
- agriculture impacts
- energy
- migration
- climate impacts on coastal megacities (with WB, JICA)

