

Overcoming Challenges to Methane Mitigation: ADB's Experience in Asia and the Pacific

***Samuel Tumiwa
Deputy Representative
North America Representative Office***

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ADB

ADB's Climate Finance Target

ADB will double its annual climate financing to

\$6 billion

by 2020



ADB's spending on tackling climate change will rise to **around 30%** of its overall financing by 2020.

Out of the \$6 billion:

\$4 billion

will be dedicated to **mitigation** through scaling up support for renewable energy, energy efficiency, sustainable transport, and building smart cities.



\$2 billion

will be for **adaptation** through more resilient infrastructure, climate-smart agriculture, and better preparation for climate-related disasters.



ENERGY ACCESS SITUATION IN ASIA-PACIFIC



4.2 Billion
Population in Asia



1.8 Billion
People without access to clean cooking



526 Million
People without access to electricity

Energy for All Initiative established 2008

- **INTERNAL goal:** Increase ADB's investment in energy access projects and enterprises to scale up access to affordable, modern and clean energy among the regions poor using renewable energy technologies

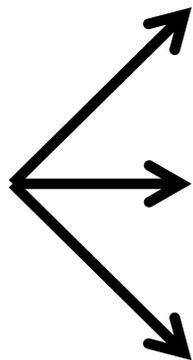
- **EXTERNAL goal:** Develop strategic partnerships and alliances with other stakeholders
 - Met its target of providing energy access to 100 million people by 2015, through the Energy for All Partnership which was created in 2009 to address energy poverty at the regional scale

TRACKING OF OUTPUTS

ACCOMPLISHMENTS IN ENERGY ACCESS 2015

\$1.2
Billion

Energy Access
Investment In 2015



New connections to electricity for **300,000 households**



Improved electricity service to about **3 million households**

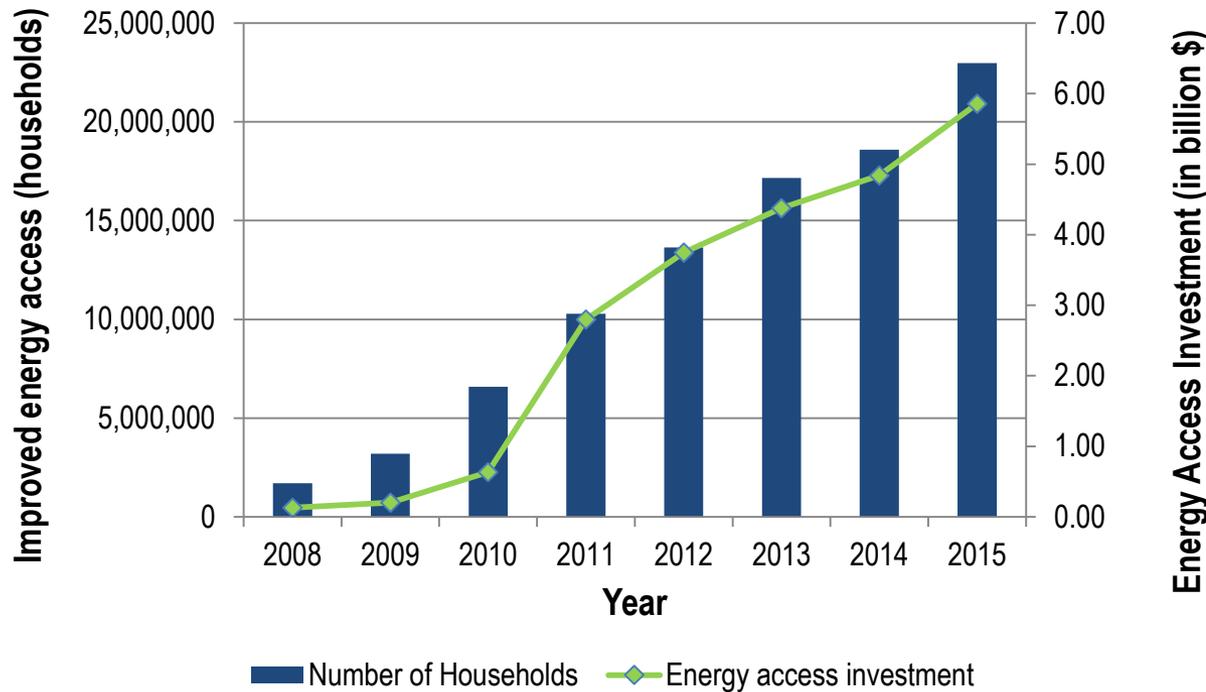


Improved gas or heating for over **40,000 households**

TRACKING OF OUTPUTS

ACCOMPLISHMENTS IN ENERGY ACCESS 2008-2015

**Impact of ADB's investments on energy access
(2008-2015 Cumulative)**

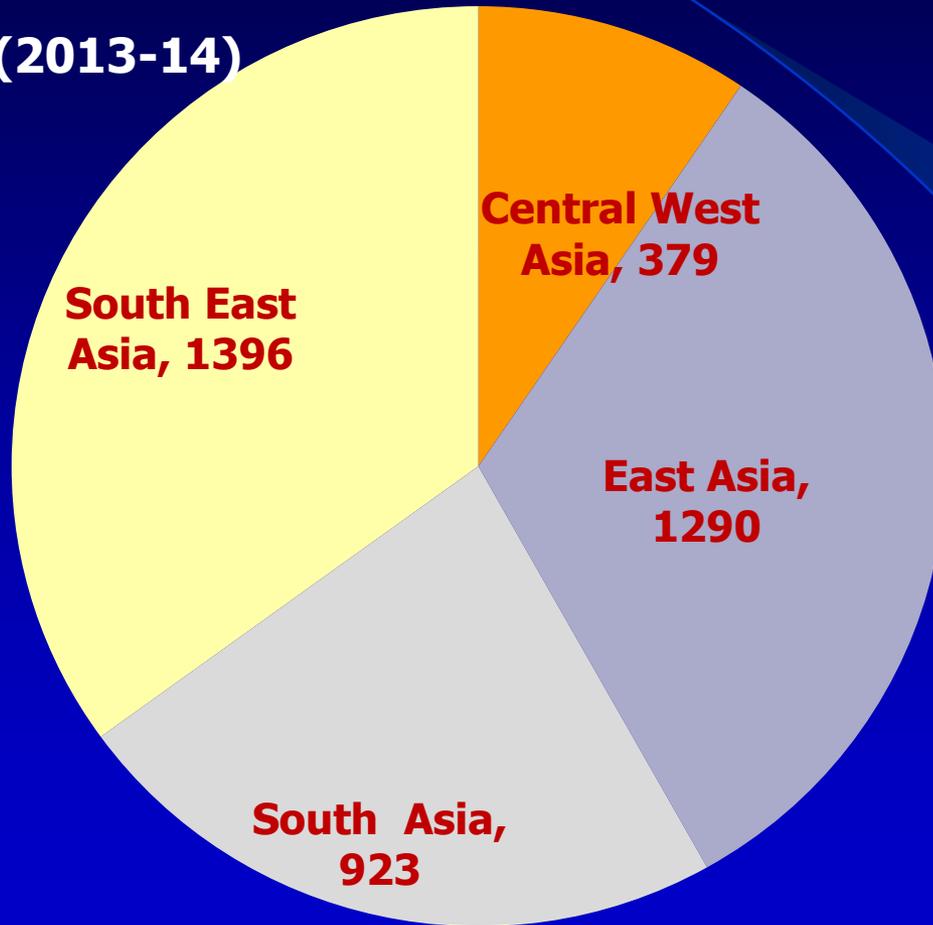


USD 6.4 billion
Total ADB investment
in energy access
(2008-2015)

104.5 million
Number of people
who will benefit from
ADB's energy
access investments

ADB Methane Avoidance Projects Distribution

Million USD (2013-14)



ADB Support for BIOGAS projects

- **Bhutan: Rural Renewable Energy Development Project**
- **Viet Nam: Low Carbon Agricultural Support Project**
- **Viet Nam: Quality and Safety Enhancement of Agriculture Products and Biogas Development Project**
- **China: Efficient Utilization of Agricultural Wastes Project**

Methane destruction from wastewater treatment

- **FIJI: Suva Nausori Water Supply and Sewerage Project**

Solid Waste Management

- **INDIA: Rajasthan Urban Solid Waste Composting Program – CDM-PoA**

Conclusion and Learning

- **ADB's operations have integrated methane avoidance projects under its sectoral verticals like energy sector as well as urban development**
- **ADB has utilized traditional development support tools like grant, loan, technical assistance to support methane avoidance projects**
- **ADB has been pioneer use newer financial instruments like carbon markets and Green Climate Funds in methane avoidance projects**

Conclusion and Learning

- **Household biogas projects have maximum cumulative benefits through its effects on**
 - **GHG reduction,**
 - **Gender benefits**
 - **Energy security and**
 - **Benefits to surrounding atmosphere.**
- **However, such projects also need huge support in terms of organizational structure, training and finance**

Conclusion and Learning

- **Municipal waste water projects need very little incremental change in traditional technical design of the project and hence, are likely to give maximum 'value for money'**

The ADB logo consists of the letters 'ADB' in a white, serif font, set against a dark blue square background. The background of the entire slide is a light blue map of the world, with the Americas and parts of Europe and Africa visible.

ADB

Samuel Tumiwa
Deputy Representative
North America Representative Office

900 17th Street, N.W. Suite 900
Washington, DC 2006
202 728 1500
stumiwa@adb.org