

Astana, Kazakhstan • 17-19 July 2017

Attracting Private Sector and Commercial Financing Through Green Financing Platform In China

Ashok Bhagava Asian Development Bank



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Outline

Introduction to ADB

ADB's Financing in Energy Sector

Green Financing Platform

Conclusion



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ADB

2016 APPROVALS

Loans, Grants and Others

\$17.47 billion

Technical Assistance

\$169 million

Cofinancing including Trust Funds

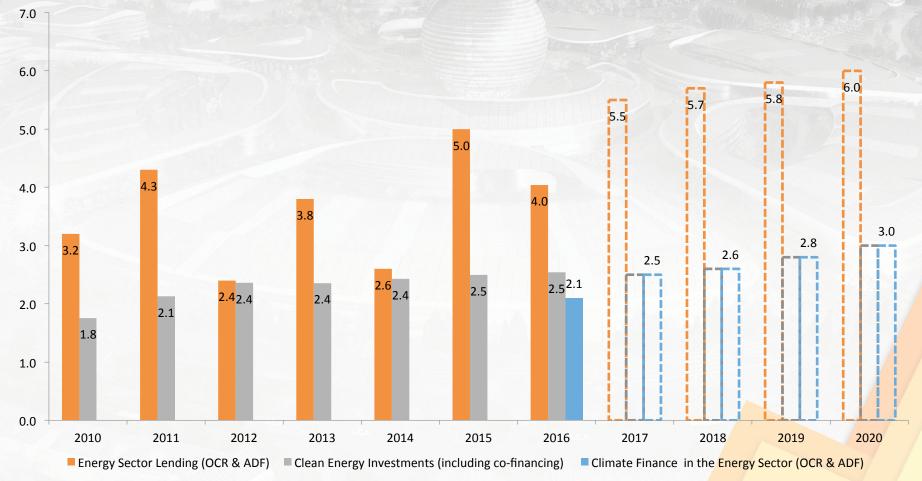
\$14.06 billion

- Regional Multilateral Development Bank
- Founded in 1966
- Owned by 67 member countries
- Vision is an Asia and the Pacific Region Free of Poverty



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Clean Energy Commitment



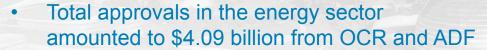


conventional energy generation

electricity transmission & distribution

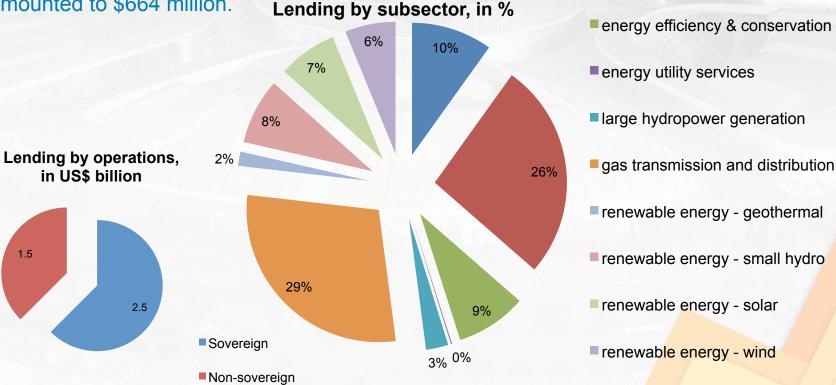
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Energy Sector Operations, 2016



Private sector clean energy investments amounted to \$664 million.

1.5





China's Air Quality Challenges

Many cities do not meet acceptable air quality

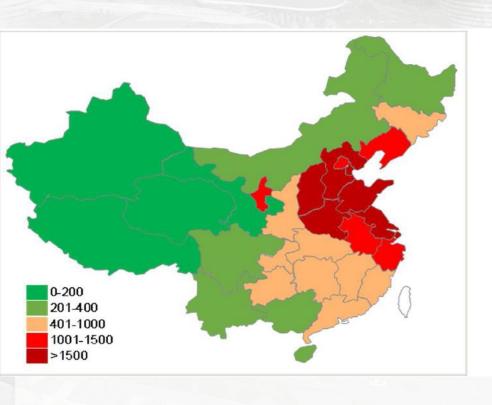
Exposure to high levels of PM_{2.5} contributes to about 1 million premature deaths annually in the PRC

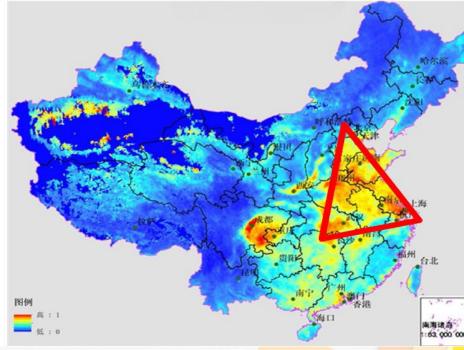
 The cost of premature mortality to the national economy is estimated as approximately 7.5% of the GDP



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China's Coal Consumption Density and PM2.5 Concentrations







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Key Barriers for Private Investment and Commercial Financing in Green Projects

- Lack of awareness about low-carbon technologies
- Focus on output growth by industrial managers
- Lack of understanding by banks on how to evaluate innovative technologies / benefits
- Lack of interest by commercial banks
- Weak bankability



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ADB Support to Air Quality Improvement Three Important Pillars

Policy and Regulatory Framework

Mobilizing Financing for Green Projects

Promoting the Introduction of Advanced Technology



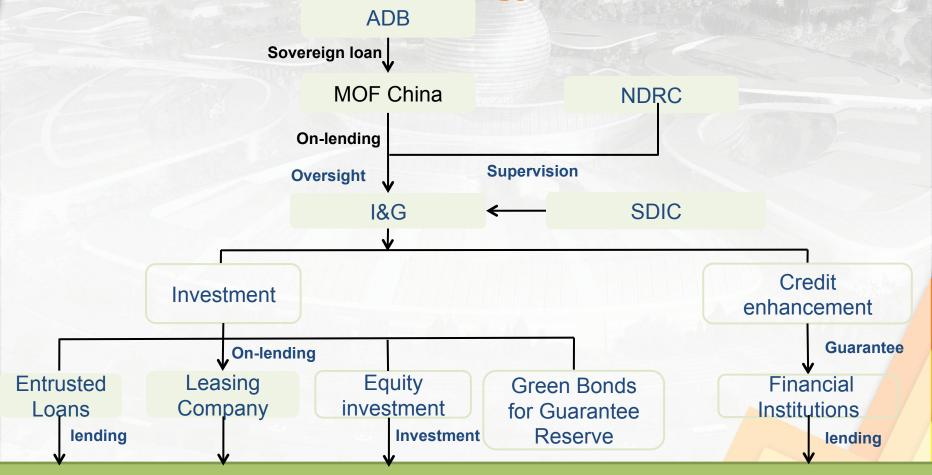
Green Financing Platform

- Targets near-untapped SME sector for pollution reduction
- Offers suite of innovative financing tools to meet the financing requirements and credit quality of diverse set of borrowers
- Leverages domestic financing: ADB's €458 million leverage €3.6 billion equivalent in commercial financing
- Open architecture suitable for expansion
- Enhancing local financial institutions' capacity and willingness
- Leverages large CO₂ mitigation (~ 8.5 MT)



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Tailored Made Solutions to Support SME Access to Finance for Clean Energy Investments



Air quality improvement projects (in Greater BTH region)



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Expected project outcome

Main:

- Energy saving: 40.2 million tons of coal equivalent
- Emission reduction: 8.55 million tons of carbon
- ▶ Leveraging: €3.6 billion private capital and commercial financing



Other emission reduction:

- > Flue gas: 380 billion cubic meters
- Flue dust: 0.78 million tons
- ➤ SO2: 0.51 million tons
- > NOx: 0.36 million tons





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Conclusion

 Private investments and commercial financing are difficult but possible

Comprehensive solution should be targeted

Inclusive financing approach is essential

PRC's GFP is applicable throughout the Asia Region

