

Methane fugitive emissions reduction in the gas sector

9th International Forum on Energy for Sustainable
Development, Kiev, 12th Nov 2018



European Bank
for Reconstruction and Development

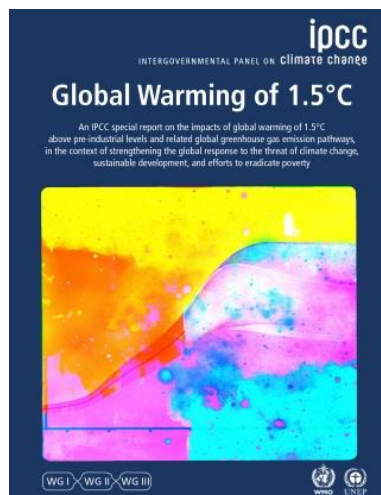


European Bank
for Reconstruction and Development

Methane Emissions Reduction Programme in the Gas Supply Chains in Ukraine

Launched today by:





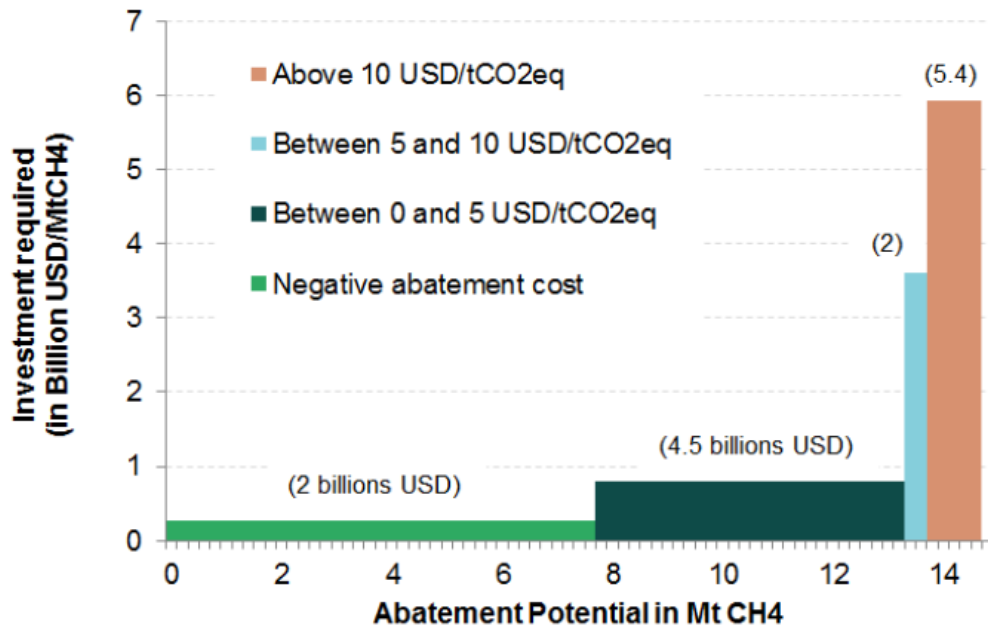
Limiting warming to 1.5°C implies reaching net zero CO₂ emissions globally around 2050 and concurrent deep reductions in emissions of non-CO₂ forcers, particularly methane (high confidence)



Key focus on:

- Assisting countries in **reducing fugitive methane emission** along oil&gas supply chains
- Supporting **energy efficiency improvements** in gas transmission

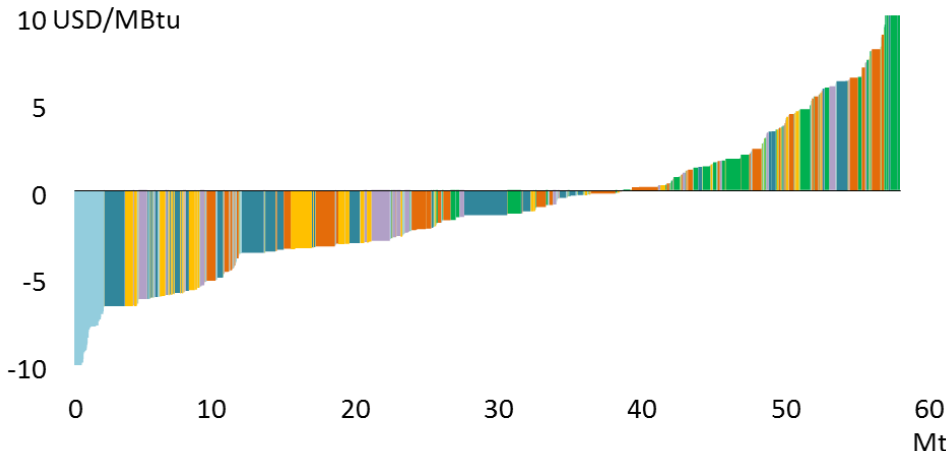
Gas sector methane emissions: Abatement cost in the EBRD region (...and beyond)



CARBON LIMITS

50% of the fugitive emissions in the EBRD region can be abated at negative abatement cost

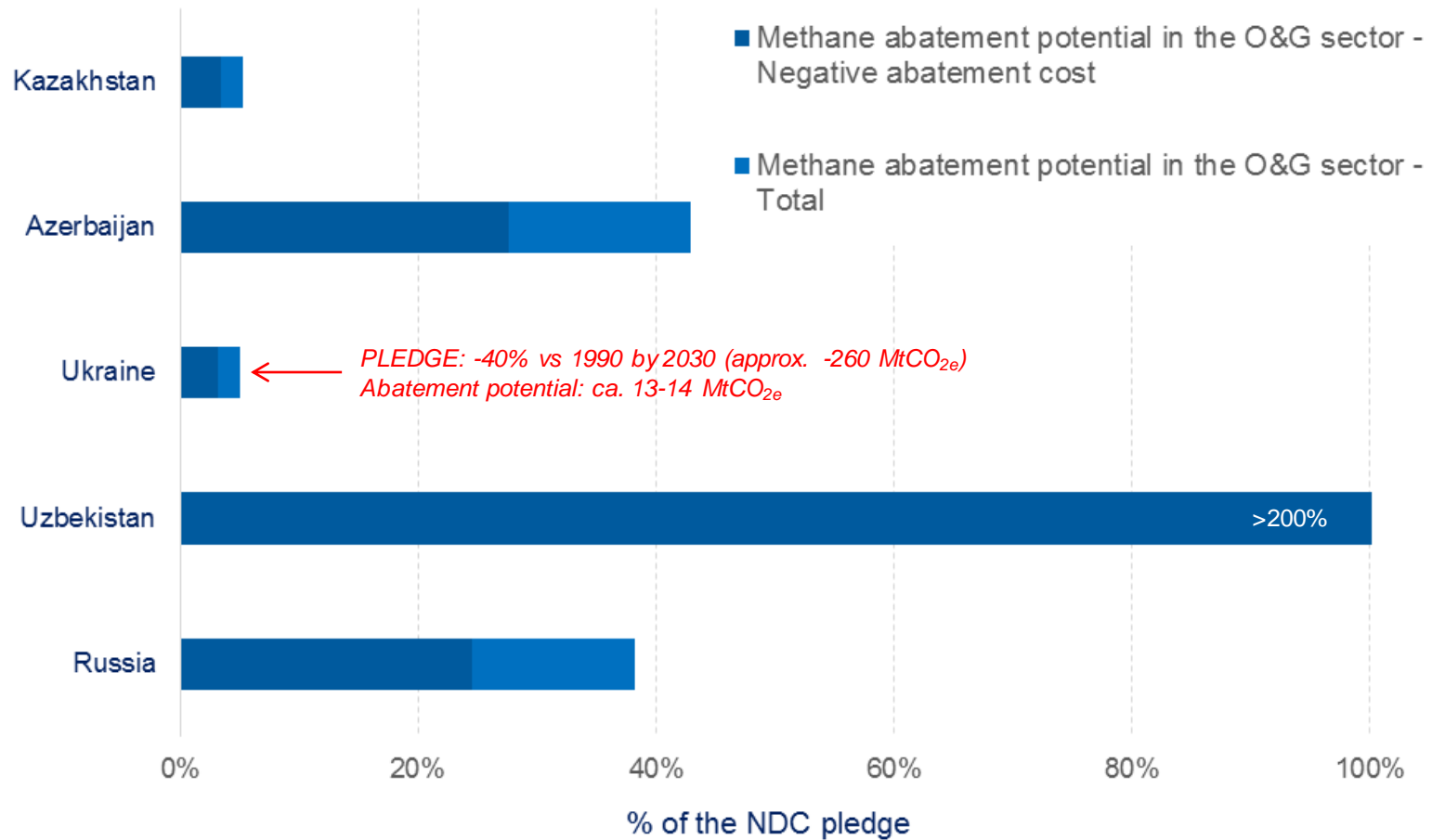
The vast majority can be achieved at less than 5 USD/tCO_{2e}



It is **technically possible** to reduce global fugitive emissions by 75%

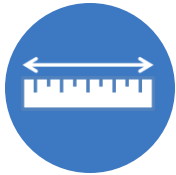
Half of this reduction can be achieved at positive net present values

Gas sector methane emissions: Abatement potential in the EBRD region



Source: Carbon Limits, 2018; UNFCCC NIR 2018; IEA stats; EBRD analysis
Key assumptions: 70% emission reduction potential (ambitious but feasible), of which 45% at negative abatement cost

UKRAINE: Gas Sector Methane Emission Reduction Programme



Measurement

Pilot measurement campaign
Improvement of emission inventory



Policies

Introduction of sector targets on fugitive emissions
Develop supply-chain carbon sustainability metrics



Innovation

Advanced aerial measurement technologies
Link emission abatement to financial instruments (e.g. art. 6 PA)



Finance

Sector-wide methane emission reduction roadmap
Priority investment planning and financing needs



Network

Connect with international initiatives on methane emissions
Knowledge transfer and replication in other (EBRD) countries

For further details:



European Bank
for Reconstruction and Development

Cristian Carraretto
Associate Director
Energy Efficiency and Climate Change
Tel: +44 207 338 6000
Email: CARRAREC@EBRD.COM



EBRD, One Exchange Square
London, EC2A 2JN
United Kingdom
www.ebrd.com