



## CH4D

# The Global Methane Reduction Platform for Development

## WHY METHANE, WHY NOW?

**Reducing methane emissions is imperative for a livable planet and human prosperity.**

Methane is responsible for a third of global warming, and its concentrations in the atmosphere continue to increase at a record pace.

**A major driver of climate change, methane is also the key to the solution.** About 80 times more powerful in trapping heat than carbon dioxide over 20 years, methane stays in the atmosphere for only about 10 years compared with centuries for carbon dioxide.

**Human activities are responsible for 60% of methane emissions**, with 95% of emissions coming from just three sectors: agrifood, energy, and waste. Experience shows that scaling-up proven solutions in these sectors can transform these sectors with major development benefits.

**The World Bank Methane Blueprint.** At COP28, the World Bank Group committed to accelerate methane action, starting with the launch of 15 national programs to potentially cut up to 10 million tons of methane during the lifespan of associated investments. With support from the Global Methane Reduction Platform for Development (CH4D), all programs are ongoing, supporting countries to reduce their methane emissions from livestock, rice, solid waste, and sanitation systems.

## METHANE TRIPLE WINS

CH4D supports accelerated methane action through a “triple win” approach:



### NEAR-TERM GHG ABATEMENT

**Near-term reduction of greenhouse gas (GHG) emissions.** Methane management now is essential for limiting global temperature rise to 1.5°C by the end of the century.



### ENHANCE ENVIRONMENTAL RESILIENCE

**Enhanced environmental resilience.** Low methane agriculture and waste management practices address pollution, regenerate ecosystems, build circular food systems, increase natural assets use efficiency, reduce wastage, and improve the capacity of risk-prone cities and regions to better adapt to climate change.



### EMPOWER LIVELIHOODS

**Empowered livelihoods and health.** Methane management generates jobs and income opportunities and improves public health. Tested approaches have reduced production costs and increased yields and income of millions of poor farmers as well as generated new sources of revenue for cities.



## DELIVERING THE PROMISE

CH4D is being implemented fast and at scale, already supporting the design, restructuring and/or implementation of more than 70 Bank-financed projects and policy dialogue across 24 countries:



### LIVESTOCK

Livestock accounts for about 32% of anthropogenic methane emissions. We are supporting China, India, and Brazil, which together account for 66% of global cattle population, and 13 other countries, to improve productivity with sustainability through integrated systems, better animal health and landscape management.



### RICE

Rice accounts for about 8% of anthropogenic methane emissions. We are assisting China, India, Vietnam and Bangladesh, which produce 65% of the world's rice, and two major African rice producers, Nigeria and Kenya, to repurpose policies, improve irrigation systems and at-farm practices for low-methane rice production.



### WASTE AND SANITATION

Waste and sanitation accounts for about 20% of emissions. We are working in densely populated cities in Egypt, Pakistan, and Türkiye and 11 other countries, to improve waste management systems from sorting of organic waste and more efficient collection systems to upgrading landfills with anaerobic digestors and developing treatment plants. We are also assisting India and Indonesia improve their sanitation systems.

**A comprehensive approach to methane.** CH4D efforts are complemented by solutions for reducing methane emissions from the power sector supported by the Global Flaring and Methane Reduction Partnership (GFMR). The partnership is engaging with 12 countries to detect and repair leaks, establish accurate measurement systems, and build capacity to identify and implement projects to reduce emissions.

### The next phase of the World Bank's methane action will focus on:

- ➔ **Broadening:** We will broaden our efforts by expanding methane reduction programs to additional sectors within the 15 initial country programs, while also reaching into new countries.
- ➔ **Innovating:** Innovation will continue as we expand our partnerships with global experts to develop and scale new methane abatement technologies and strategies.
- ➔ **Monetizing:** We will help countries monetize their methane reductions by, for instance, turning them into carbon credits, layering additional financial incentives for countries, cities and farmers.
- ➔ **Increasing ambition:** We will continue supporting countries to prioritize solutions at a national scale and across all key sectors through emissions analysis, policy dialogue and investment planning for faster action.

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For those who want to join  
CH4D Community of Practice