

METHANE EMISSIONS MANAGEMENT

————— A Critical Pathway to
Sustainable Development and —————
Net-Zero

Global Methane Hub, for the South African Presidential Climate Commission Dialogues
November 10, 2025

Temperature Impact



Critical to keep
1.5°C within reach

-0.3°C warming
avoid by 2050

Avoided Climate damages



\$8.3 trillion
avoided damages
annually by 2050

Economic & health co-benefits

4.2 million
premature
deaths
avoided



50 million
tonnes of
crops
saved



\$370 billion annual
savings in health
costs & productivity

A Core Development Question for Africa

Energy

Powering economic growth and improving access to cleaner energy sources.

Waste

Managing waste for safety, dignity, health, via circular economy opportunities.

Agriculture

Ensuring food security while building sustainable low- emission farming practices, which support farmers, producers and consumers.

These emissions come from the very sectors driving our socio-economic growth. The objective is a more sophisticated approach addressing both climate and development.





High-Impact Sectoral Solutions



Agriculture

Win-win solutions for millions of farmers: improved animal health, better feeding practices, and optimized grazing management. These stabilize emissions while increasing farm efficiency and income.



Waste & Circular Economy

Community-driven solutions creating jobs and dignity. Organic waste diversion reduces landfilling costs and provides valuable fertilizer. Better governance of major landfills is essential.



Energy

Early mitigation is cost-effective, and global markets signal premiums for low-methane fossil fuels.

Coordination: Data, Finance, and Policy

1

Data Management

African countries must invest in capacity to participate in the emissions tracking revolution. Precision allows better resource allocation for maximum impact.

2

Mobilizing Finance

Triple funding from multilateral development banks for low-methane pathways. Clarify Green Taxonomy to classify methane mitigation activities, create the right regulatory frameworks

3

Policy Development

NDC, local development plans, Sectoral plans, regional and continental coordination

South African Leadership and the Path Forward

South Africa showed landmark leadership in the G20 by raising the profile of clean air and that momentum can continue forward



Global Methane Moment

COP Methane Summit at COP30 broadens leadership with a focus on the emerging world, technology, data, and finance.



International Cooperation

Critically important for African countries to engage as robustly as possible in domestic action, regional coordination, but also in global agenda setting, research, data and more



Equitable Pathway

By embedding equity, transparency, and capacity in methane action, Africa can lead toward higher ambition and sustainable development.

Thank you

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