



KAMARAJ IAS ACADEMY
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Global Methane Status Report

Published On: 21-11-2025

The recent Global Methane Status Report 2025 warns that crop-residue burning is turning India into a global methane hotspot.

About Global Methane Status Report

It is produced by the UN Environment Programme and the Climate and Clean Air Coalition (CCAC).

It provides updates on global progress on methane mitigation and the remaining work needed to achieve the Global Methane Pledge.

Key Highlights of Global Methane Status Report 2025

Methane's atmospheric concentrations have more than doubled since pre-industrial times

The rising global emissions would contribute to almost 24,000 additional premature deaths and 2.5 Mt of crop losses annually by 2030.

India is the world's third-largest methane emitter.

India's agricultural activities alone contribute 12% of global agricultural methane emissions, among the highest shares worldwide.

If countries fully implement their Nationally Determined Contributions (NDCs) and Methane Action Plans, emissions could fall by eight% by 2030.

The report underscores that 72% of global methane mitigation potential lies in G20+ countries, which emit 65% of global anthropogenic methane.

What is Methane?

Methane (CH₄) is a hydrocarbon that is a primary component of natural gas.

It is a colorless odorless gas, flammable water insoluble gas.

It is also known as marsh gas or methyl hydride.

It is responsible for approximately a third of the warming we are experiencing these days

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