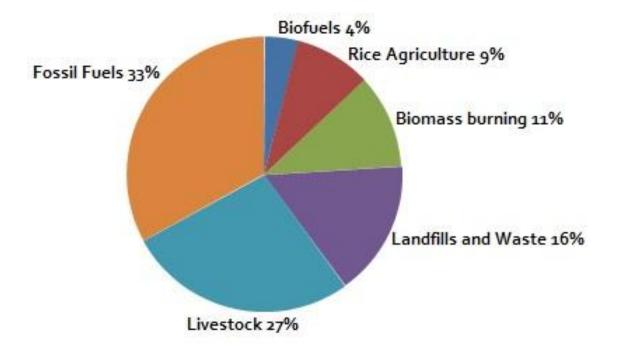


The Big News 12th November 2022 Methane Alert and Response System (MARS)



According to the UN, 25 per cent of the warming that the world is experiencing today is because of methane, a greenhouse gas, which is also a component of natural gas.

NASA notes that human sources (also referred to as anthropogenic sources) of methane are responsible for 60 per cent of global methane emissions.



Figure 1. Estimated annual methane emissions by sector and region, excluding Oceania, in 2017 322 MT 100 MT 83 MT 67 MT 42 MT 30 MT **ENTERIC FERMENTATION LANDFILLS** RICE COAL TOTAL **AND GAS** MINING **AND MANURE AND WASTE** CULTIVATION CHINA 56.8 11.2 2.3 7.9 SOUTH ASIA 42.7 8.2 2.5 8.3 NORTH AMERICA 34.7 9.8 14.1 7.4 3 0.4 SE ASIA, KOREA & JAPAN ■ 29.8 4.9 4.1 3.6 6.8 REST OF LATIN AMERICA 28.6 13.6 7.9 5.9 0.6 0.6 MIDDLE EAST 26.6 3 18.1 5.2 0.1 10.2 2 14.6 2.7 0.1 RUSSIA 3.6 EUROPE 22.6 2.9 6.6 **2** 0.1 11 EQUATORIAL & S.AFRICA 22.1 6 5.2 1.7 1.2 NORTHERN AMERICA 19.4 3.3 0.2 0.6 6.3 BRAZIL **17.3** 13.4 0.6 2.8 0.3 10.2 2.5 CENTRAL ASIA 9 0.6 1 0.1

10.4 5 10 15 20 10 15 10 10 15 20



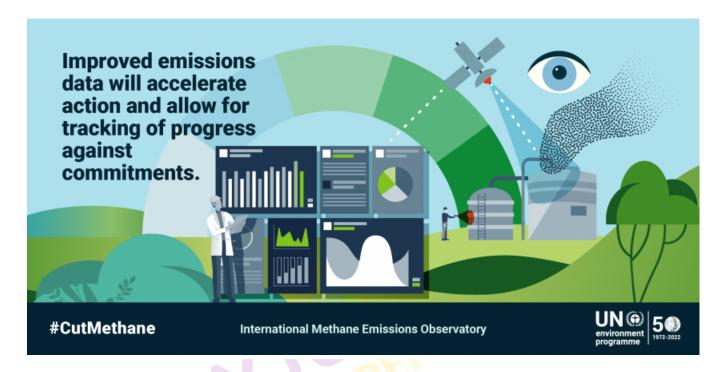
Carbon Dioxide Methane Carbon dioxide is a Methane is a major greenhouse gas which major greenhouse gas DEFINITION has the chemical that has the chemical formula CH₄ formula CO₂ Enters the atmosphere Enters the atmosphere during the production SOURCES mainly through and transport of coal, burning fossil fuels natural gas and oil LIFESPAN IN Much shorter Comparatively longer **ATMOSPHERE** More efficient in Comparatively less **EFFICIENCY** efficient in trapping trapping radiation radiation



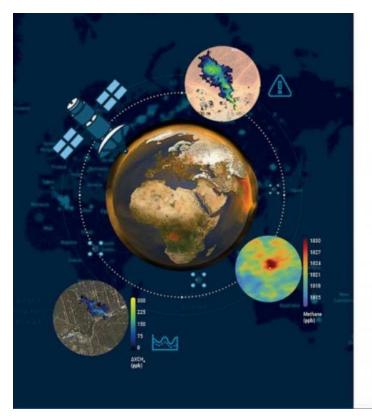




Launched at the G20 Summit, the International Methane Emissions Observatory (IMEO) is a data-driven, action-focused initiative by the UN Environment Programme (UNEP) with support from the European Commission to catalyse dramatic reduction of methane emissions, starting with the energy sector.









- Developed in the framework of the Global Methane Pledge Energy Pathway with initial funding from the European Commission, the US Government, Global Methane Hub, and the Bezos Earth Fund – MARS will allow UNEP to corroborate emissions reported by companies and characterize changes over time.
- In addition to supporting MARS, the Global Methane Hub and the Bezos Earth Fund are providing funding for other UNEP IMEO activities.