



Eni Methane Management

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Methane Emissions - Context

Growing attention on methane role in the global warming

Global Methane Pledge



- **EU, US** and other **100 countries** already signed the Pledge
 - 70% of global economy, 50% of global anthropogenic methane emissions
- Target: 30% reduction from 2020 by 2030
 - Enhance inventories and methane quantification
- Financial support from philanthropies
 - To date over \$200 million committed

EU Methane Strategy



- Legislation
 - MRV, Venting, Flaring
 - Full value chain standards
- International Methane Emissions Observatory (IMEO)
 - Support to UNEP

IPCC 6th Assessment Report



- Special consideration to short-lived climate pollutants (SLCPs)
- Methane mitigation as an essential action to limit the global warming

IEA - WEO 2021

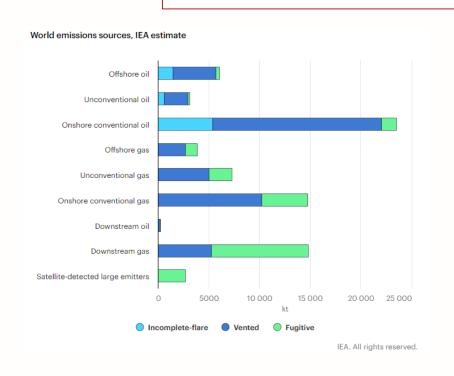


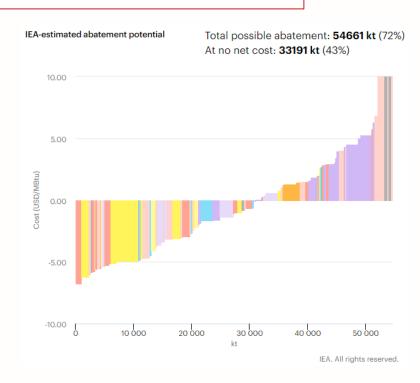
- IEA calls on companies, governments and regulators to take urgent action to cut methane emissions from O&G sector
- Cutting methane emissions from fossil operations is one of the four key measures that can help to close the gap between today's pledges and a 1.5 °C trajectory over the next ten years



Methane Emissions - Context

How O&G Sector can contribute to the overall methane reduction





- Robust and homogenized MRV in place along the full natural gas value chain
- Effective LDAR programs and best practice implementation for reducing methane from venting/flaring
- Technologies deployment to strengthen direct measurement and early leaks detection



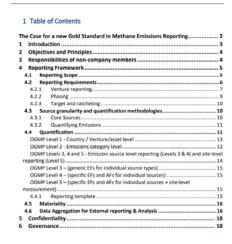
International Commitment on Methane



- OGCI Target relaunched in 2021
- Pilot Tests with OGCI CI technologies



Mineral Methane Initiative OGMP2.0 Framework



- Submitted 1st Implementation Plan
- Submitted 1st year reporting at asset level







- Global Outreach Program in Italy
- Policy engagement
- NOJV initiatives

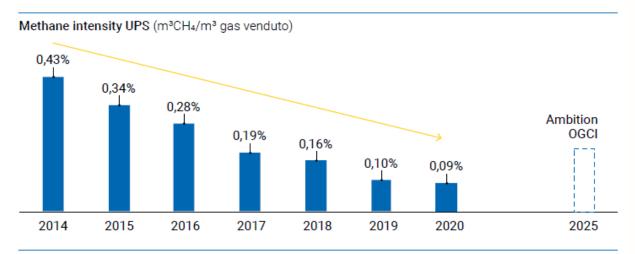
- Support of other UNEP led Initiatives on Methane (in addition to OGMP, Global Methane Alliance and Methane Science Studies)
- Participation on methane-related activities within main associations like IPIECA, IOGP







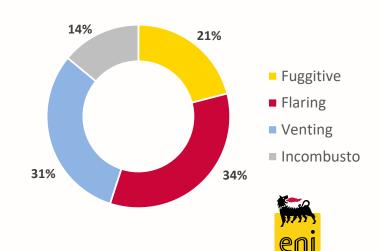
Eni's performance and actions on methane emissions



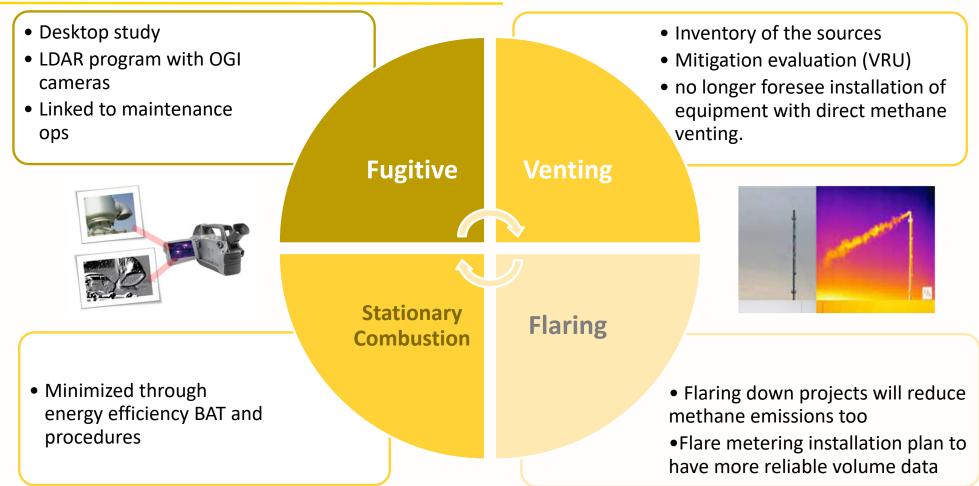
Emissioni fuggitive di metano UPS (MtCO2eq)



- Fugitive reduction target achieved in 2019
- LDAR monitoring campaigns covering up to 96% of assets (on a production basis)
- Training ongoing on the main subsidiaries to strengthen the frequency of LDAR



Eni Methane Emissions Management



R&D - On-Site testing ongoing with technologies within OGCI CI Portfolio and internal projects to deploy cost-effective technologies



