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Risorse Naturali ed Energie sostenibili

Italian Industry's Commitment to Reducing Methane Emissions

RINA – Palazzo R, Strada 7, Via Gran S. Bernardo, 20089 Rozzano (MI) – May 10th, 2023

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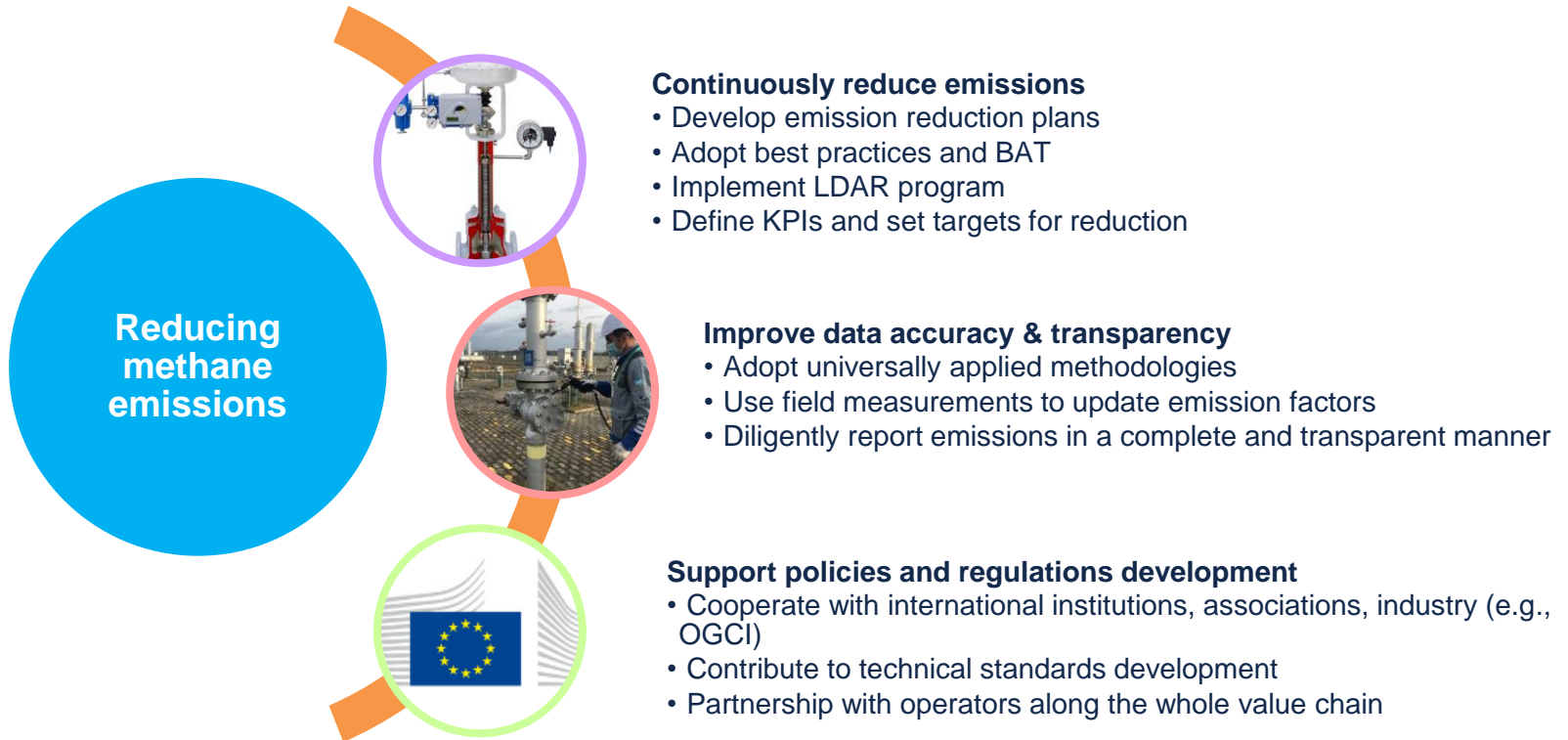


Reducing methane emissions: a team effort

- Role of natural gas
 - **Energy transition**
 - **EU Taxonomy**
 - LNG and **security** of supply
 - **«km 0» domestic gas**
- Use of natural gas shall be associated to the highest commitment to reduce methane emissions:
 - Common targets (**Green Deal, Fit-for-55, REPowerEU**)
 - Individual operator targets (**OGMP 2.0**)
 - **EU Regulation** for the Energy sector
- It is a **team effort**: designers, technology providers, EPC contractors, operators, engineering consultants, certification body, regulators, and institutional stakeholders
 - **Collaboration** (best practices)
 - **Prioritization** of interventions (efficacy and ROI)
 - **Transparency**



Operators' commitment: Supporting industry target carbon neutrality



Working group on methane emissions

Established in 2021, it includes 15 leading companies, representing the whole energy value chain



Technology

Design

Construction

Operation

HSE

Inspection

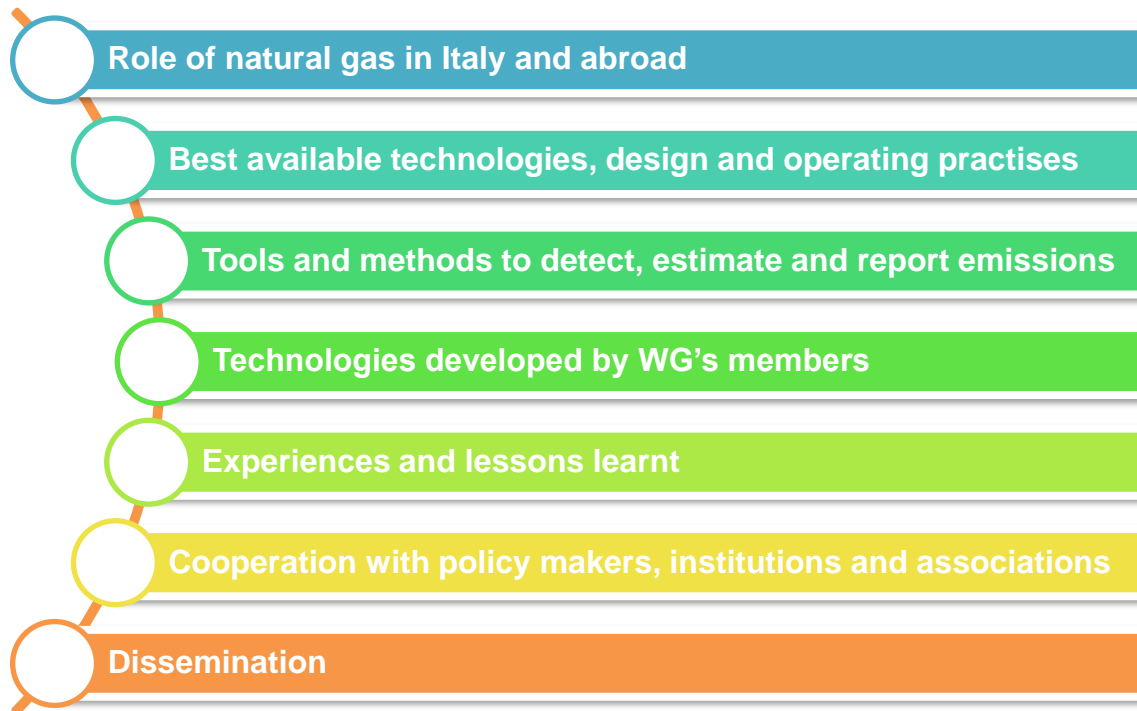
Certification

Innovation

Our white paper on methane emissions



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Our white paper on methane emissions



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Cutting methane emissions at net zero cost: is this a dream or is it a real thing?

- Facts:
 - Technologies and operating practices to reduce emissions in energy assets are well known and understood
 - A variety of abatement options come at a relatively low cost, especially when compared with agriculture and waste
 - The cost of mitigating methane from oil and gas operations can be lower than the recent market value of the captured gas
 - IEA estimated that 41% of methane emissions could be avoided at no net cost globally (GMT 2022)
- Open question:
 - **How is that? How can such a huge result can be achieved at no net cost? How can such a low hanging fruit still be on the tree?**
- Current focus of the working group:
 - We are analyzing data from ARERA and IEA, and identifying what interventions are possible in selected scenarios
 - The idea is to estimate costs and benefits of typical interventions in each scenario: we expect a patchy outcome, which will help understanding what can be realistically achieved, depending on the industry, the country, and the scenario we are looking at

Global warming puts us all on the same boat, but we are not all at the same level of maturity in terms of technology, development, and awareness of the issue of methane emissions. **This will be the core of the next white paper... stay tuned!**



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Thank you for your kind attention

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