





Methane
22 March 2022



ABOUT MiQ

- **MiQ** is an **independent, not-for-profit** foundation established by RMI & SYSTEMIQ with the aim of **rapidly reducing methane emissions** in the oil & gas sector through **certified gas**.
- We are a team of **international experts** from across the energy industry, traders, environmentalists, engineers, policymakers and researchers.
- Started in 2020, MiQ audits already cover 2.5% of global gas production (100bcm), equivalent to **23% of EU gas consumption**.

 **pioneering methane certified gas**

Setting the Standard for Methane Emissions

SYSTEMIQ



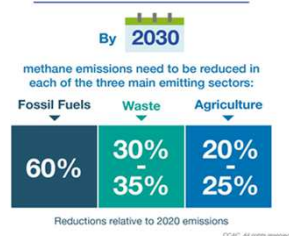


We must reduce methane emissions



“A 45% reduction of methane emissions by 2030 is needed to put the world on a path consistent with the Paris Agreement goal to limit warming to 1.5°C”*

Limiting warming to 1.5°C
at the lowest cost



Methane emitted by the Oil and Gas industry
= 84 million tonnes CH₄
= 7 billion tonnes CO₂ equivalent**



8x the CO₂ emissions from the global aviation sector



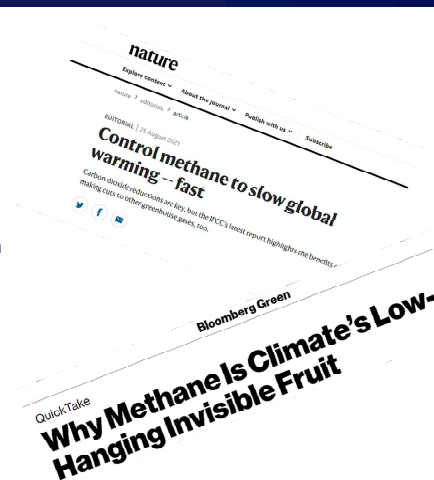
More than **1.2x** the US' annual CO₂ emissions

* and above table from CCAC & UNEP Global Methane Assessment 2021
Global Methane Assessment (full report) | Climate & Clean Air Coalition (ccacoalition.org)
** Data 2019 (IEA) GWP20@IPCC, GWP 20 year = 84x

Methane is a powerful greenhouse gas



- Methane (CH₄) has a shorter atmospheric lifetime than CO₂ but is a much more potent GHG*
- System-wide leakage rates range from 1-10%
 - <3.2% needed to beat GHG impact of coal-fired combustion
- The good news:** solutions exist to mitigate emissions cost-effectively (IEA – 75% can be abated with today's technology)
- We need the **transparency** to incentivize the action
- Aggressive methane emission reductions is the best opportunity to slow the short-term rate of global warming



*Data 2019 (IEA), GWP20: 84 (IPCC)

MiQ – the fastest growing global methane certification standard



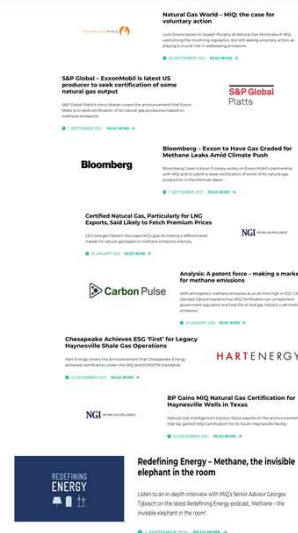
- Large US gas producers have certified certain facilities: independents and majors including EQT, Chesapeake, Comstock, North East Energy, **ExxonMobil, BP and recently Repsol**.
- 3rd Party Auditors: 10+ companies accredited to conduct MiQ Audits, ensuring robust validation and audit, but also to allow global hyper-scaling and competitive RFP's for operators
- Current MiQ certifications cover **over 100 bcm/year** of natural gas production equivalent to 23% of EU27 gas consumption

- MiQ Certificates were issued first time in Dec 2021 in the digital registry www.miqregistry.org
- The MiQ digital registry contains more than 350 bcf of MiQ certificates (Mar22)

- MiQ certificates are required for transacting (trading) certified gas between sellers (producers) and buyers (Utilities, Industries). Prices are emerging for certified gas.
- Rapidly growing adoption in North America (e.g. Bloomenergy), now translating to wider adoption globally, starting with LNG in 1H22

* and above table from CCAC & UNEP Global Methane Assessment 2021 [Global Methane Assessment \(full report\)](#) | Climate & Clean Air Coalition (ccacoalition.org)

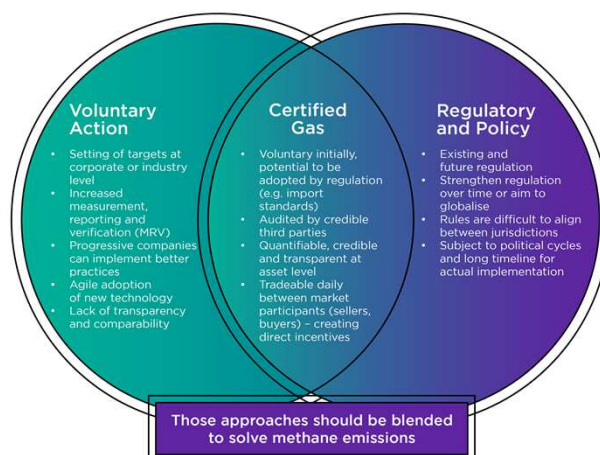
** Data 2019 (IEA) GWP20@IPCC



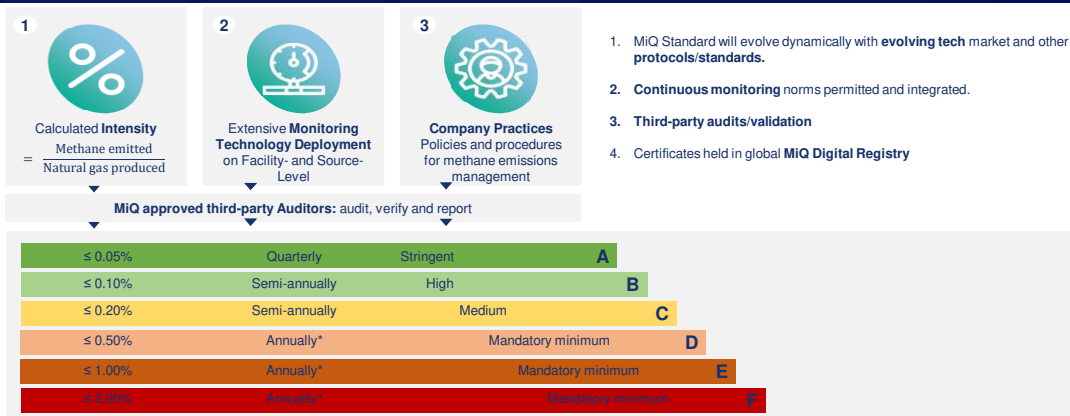
Gas Certification – the THIRD way



- Transparency drives the change and needs to be provided at the **point of decision-making**
- To achieve this, timely and readily-available information must be provided in relation to **every unit of gas** that is produced, traded and purchased
- **Independently-validated** evidence of emissions intensity of the product being discussed at the time of the decision being made, whether a purchase by a trader on the screen or a three-month negotiation over a 10-year LNG supply transaction



MiQ Grades: the most comprehensive methane emissions quantification standard

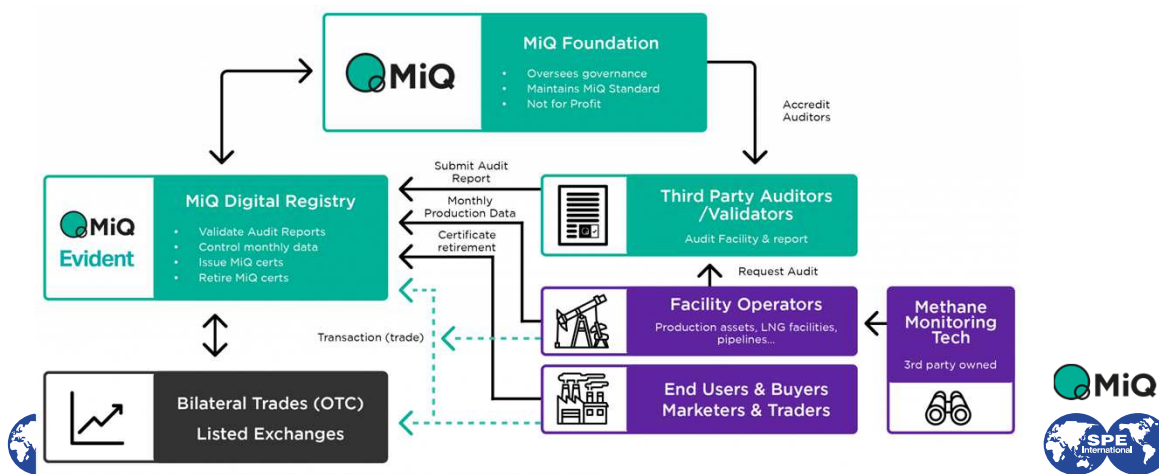


* Source-level only

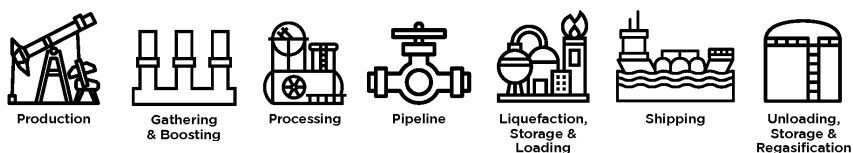


MiQ GOVERNANCE

SEGGRATION OF DUTIES TO AVOID CONFLICT AND ENABLE GLOBAL HYPER-SCALING



CERTIFIED NATURAL GAS ACROSS THE WHOLE LNG SUPPLY CHAIN

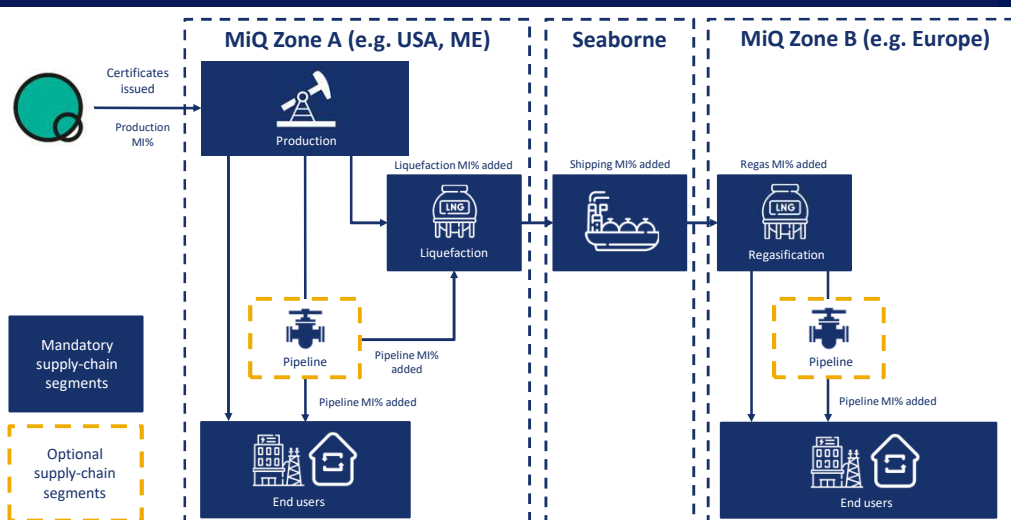


**MIQ
CERTIFIED**

**AVAILABLE
Q1 2022**



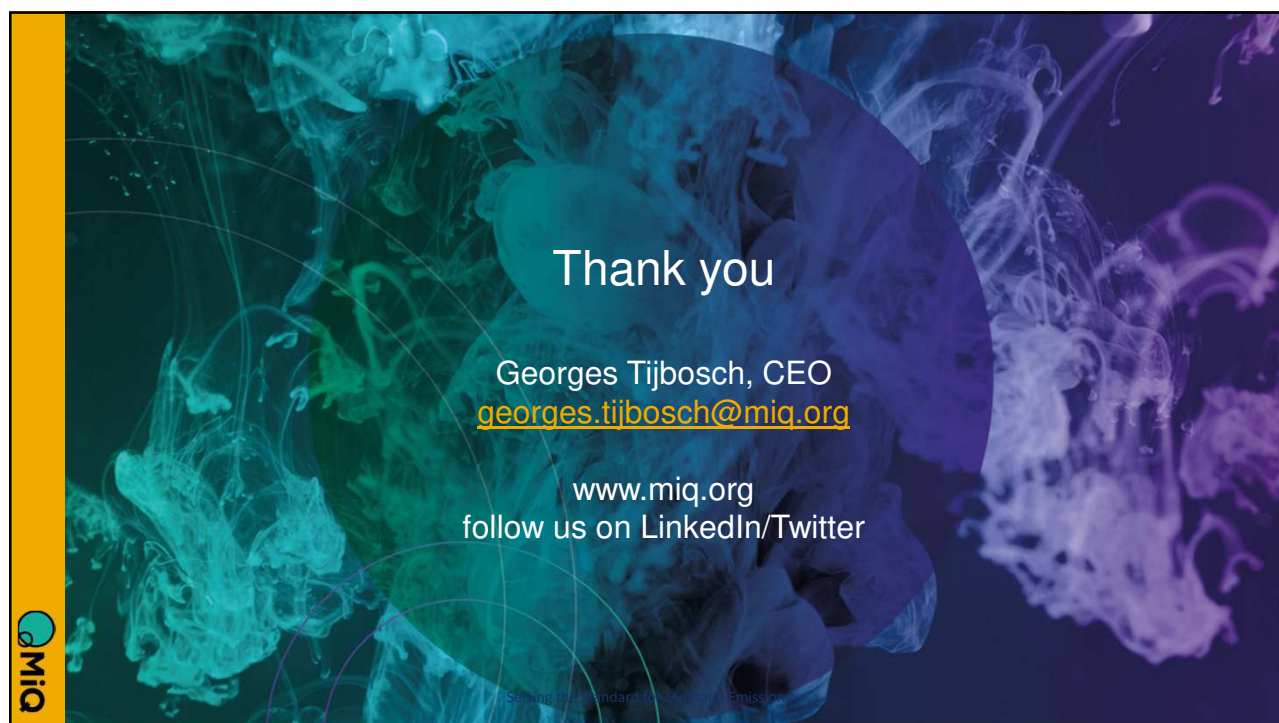
MiQ CERTIFIED SUPPLY CHAIN LCA





In the fight against climate change



Thank you

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