

GIIGNL Osaka

29 Sep 2025



MiQ - Methane IQ

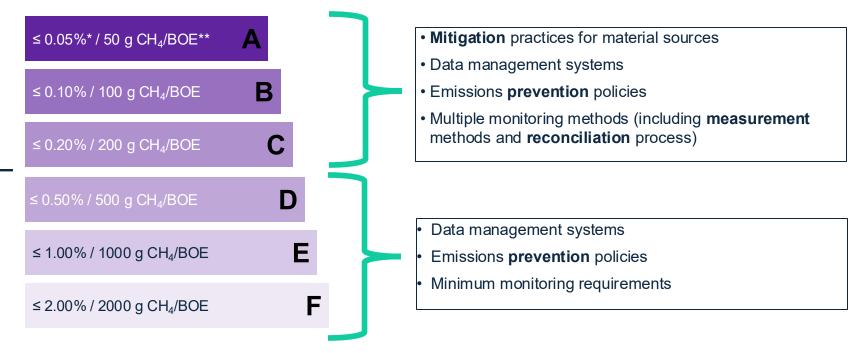
- MiQ is a global not-for-profit, founded in 2020 by RMI (Rocky Mountain Institute) and SYSTEMIQ.
- Our funders are philanthropical organisations with a mission to address oil and gas methane emissions.
- "Theory of change": certifying methane emissions, leads to a differentiated gas market for buyers or importers incentivising better operator performance.
- MiQ pioneered certified gas as a category. It is fully operational with 240 bcm/year certified by MiQ





Methane Performance Standard ("MiQ classic") Grading System





3rd party independent audit bodies assess conformity to MiQ Standard and certify to a Grade





^{*} Intensity bands presented are for the production segment

^{**} Metric dependent on if oil is co-produced

Route 2: L5 OMGP certification (draft)

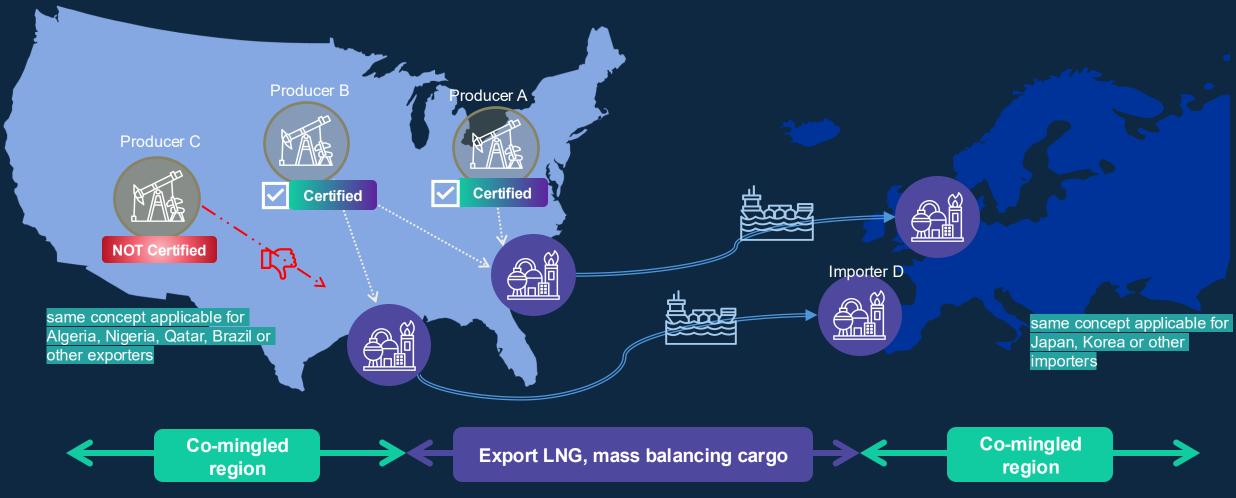
- OGMP is currently covering 42% of world production, MiQ has practical experience of certification globally
- The EU Methane Regulation references OGMP L5 ¹, however the EU also requires verification ²
- CLEAN voluntary initiative could leverage L5 data sources to build out supply chains to Japan/Korea ³
- Overview of the L5 certification initiative:
 - 2Q25: MiQ and OGMP drafted the first certification protocol for L5
 - 3Q25: Draft protocol reviewed extensively by operators, NGOs, regulators, auditors
 - 4Q25: MiQ and OGMP developing updated version of L5 certification ⁴, based upon feedback
 - 1Q26: Updated protocol v2 released for feedback
 - 2Q26: Pilot/trial with voluntary market participants

- (1) There are other pathways allowed, such as producer equivalency or country equivalency. The EU is only concerned with producer level info, not LNG
- (2) The EUMR requires a layer of verification by a third-party auditor this is not built into the OMGP process
- (3) CLEAN is concerned with the full supply chain, including LNG and also CO2, not only methane. It is voluntary unlike EUMR
- (4) Update V2 will be reviewed with industry organizations such as IOGP and GIIGN but also EU and Asian governments will be consulted



CIRIS: Certificate Inter Regional Import System

A pragmatic emission tracking solution to complex supply chain systems



Certificates with asset specific MRV → LNG import checked by MiQ Registry (CIRIS) → no double counting, no global book and claim



MiQ Supply Chain Protocol

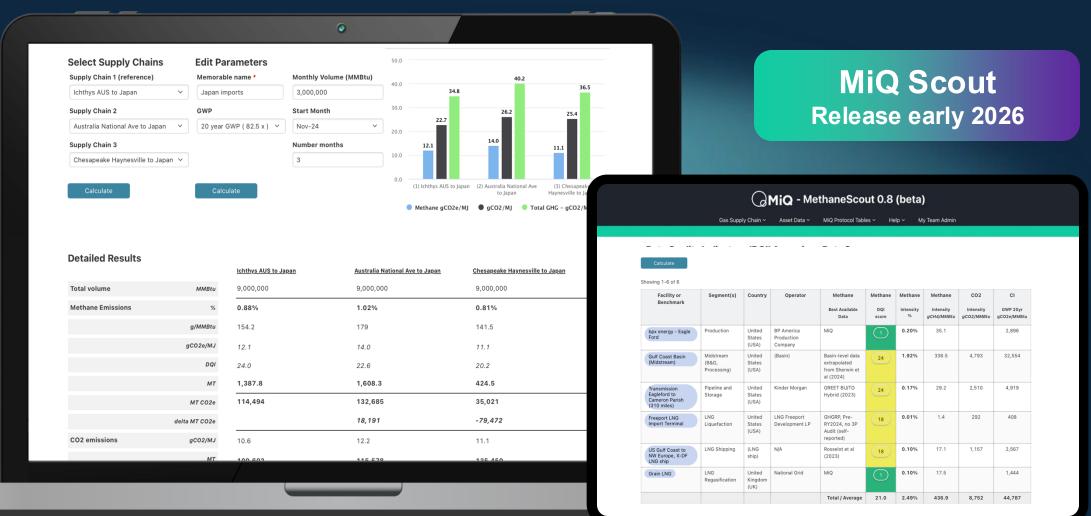
MiQ created an open-source framework based upon three years of research to:

- Create supply chain emissions determinations and inform the marketplace TODAY
- Utilize heterogenous data sources as we align to higher quality data methodologies
- Utilize accepted LCA and LCI principles, including ISO 14040 and ISO 14044
- Align behind a DQI system that recognizes the importance of measurement-informed inventories and third-party verification
- Aligned with GIIGNL attestations, and solutions for regulatory markets





Analyse and compare LNG supply chains Supply Chain Declaration for buyers





GIIGNL & MiQ ... collaboration based on respective strengths

- Leverage both not-for-profit organizations strengths to build out of supply chain emissions & differentiate low emissions LNG cargoes – pragmatically & credibly
- Collaborate on CLEAN initiative. This could include certified or partially certified full supply chain **pilots** from varying jurisdictions into Japan or Korea
- MiQ has developed SCP (version 2.0 imminent), trialing MiQ Scout, and would like to pilot protocol and operationalizing tool with operators in Asia or Atlantic basin.
- OGMP L5 certification protocol will add a huge amount of extra data sources to trial. Other new data sources could jointly be analyzed and included.





The building blocks are finally in place in 2025
Forward leaning LNG operators want to showcase low emissions cargoes

Governments including EU and Japan want address methane but also preserve security of supply

Let's make it happen together, pragmatically



Backup slides



Certificates → differentiate Performance & Origin of gas

yearly

Operator selects facility in compliance with MiQ Standard

Operator contracts MiQ accredited 3rd audit body

Audit body evaluates conformity of facility to MiQ standard

Audit body certifies facility to a A-F grade

Certified facility is published on MiQ registry

- Investors
- Lenders
- Regulators
- Civil Society
- ESG reporting
- Benchmarking

monthly / when traded

Registry validates operator's proof of marketed gas

Certificate issuance:
1 certificate per MMBtu produced

MiQ Grade
is validated
throughout
the
certification
period

Registry is proof of authenticity and origin

Certificates can be traded until retired when claimed

- Buyers
- Traders
- Regulator
- Operators
- Importers



Why certified gas? Achieve both environmental and security of supply objectives



Differentiation for Companies

- Independent reporting
- Producers can differentiate their gas from competitor's higher emissions gas
- Buyers / countries can choose lower methane certified gas to meet voluntary GHG targets
- Make the case for coal to gas switching
- Make the case for blue ammonia / H2
- Cost effective

Country & climate objectives

- Facilitate voluntary initiatives such as CLEAN
- Producers can export lower methane certified gas, lowering their country's emissions.
- Import countries could fast-track import standards relying on certification
- Cost effective

Regulation & Reporting

- EU Methane Regulation 2027 onwards.
- CBAM will extend to methane
- Demonstrate lower scope 1 & 2
- Credible backup for ESG and GHG claims and reports
- Credibly demonstrate low emissions to lending banks, insurers, investors
- Credible Scope 3 reporting for gas buyers

