

# Oil and Gas Methane Partnership

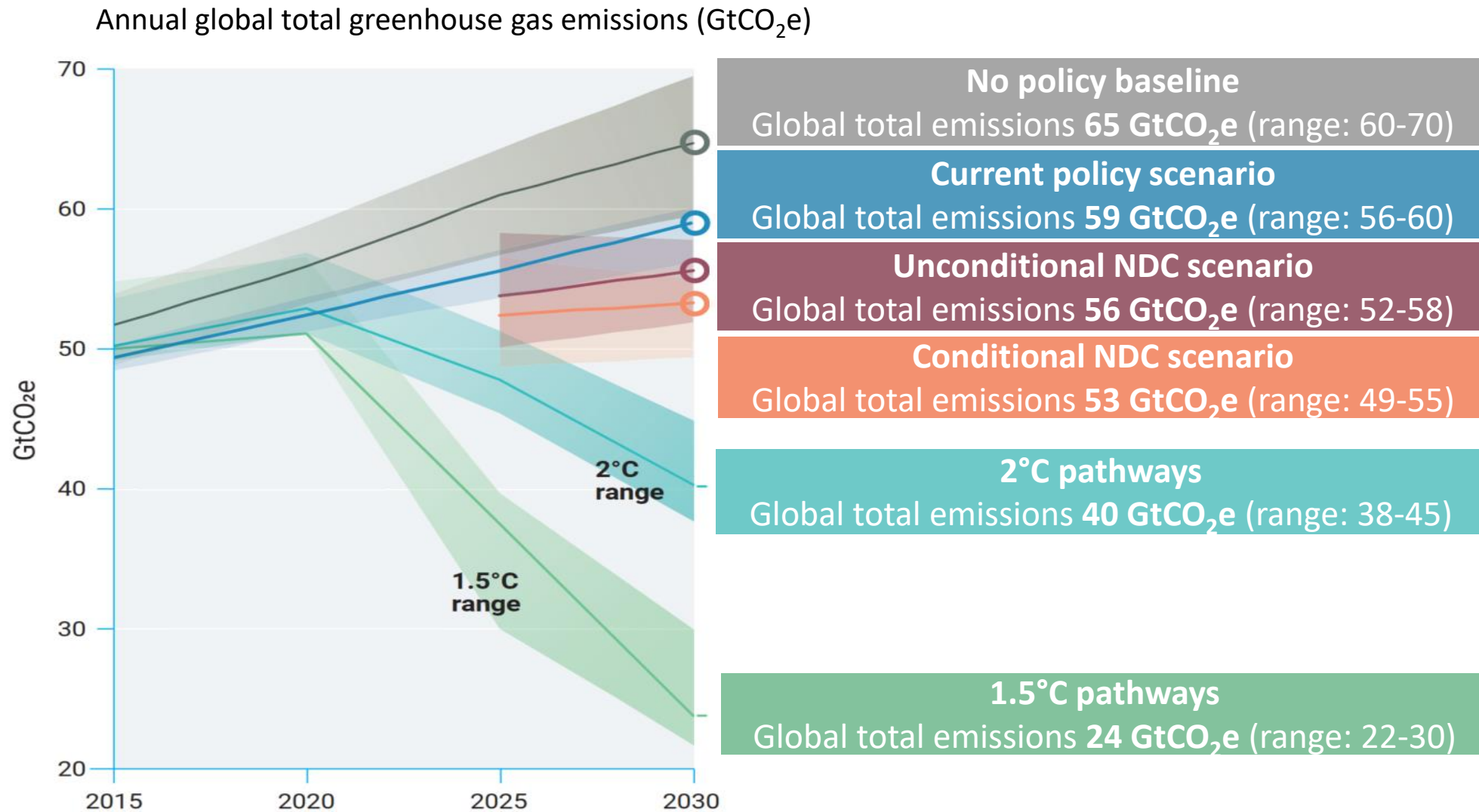
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**20-07-20**

# The global emissions gap is larger than ever



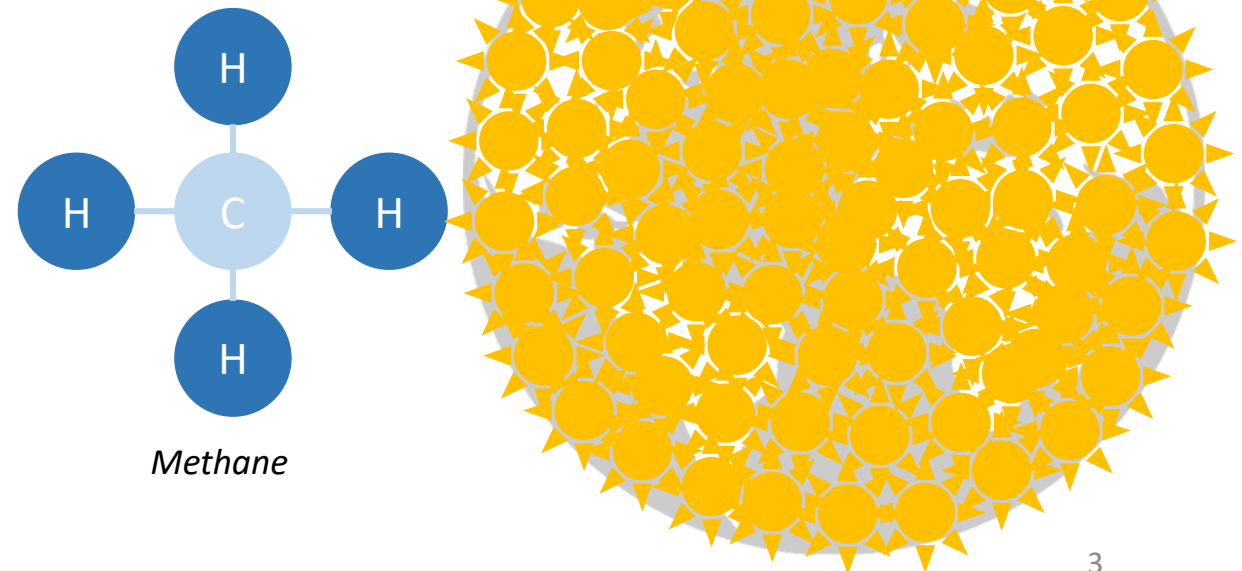
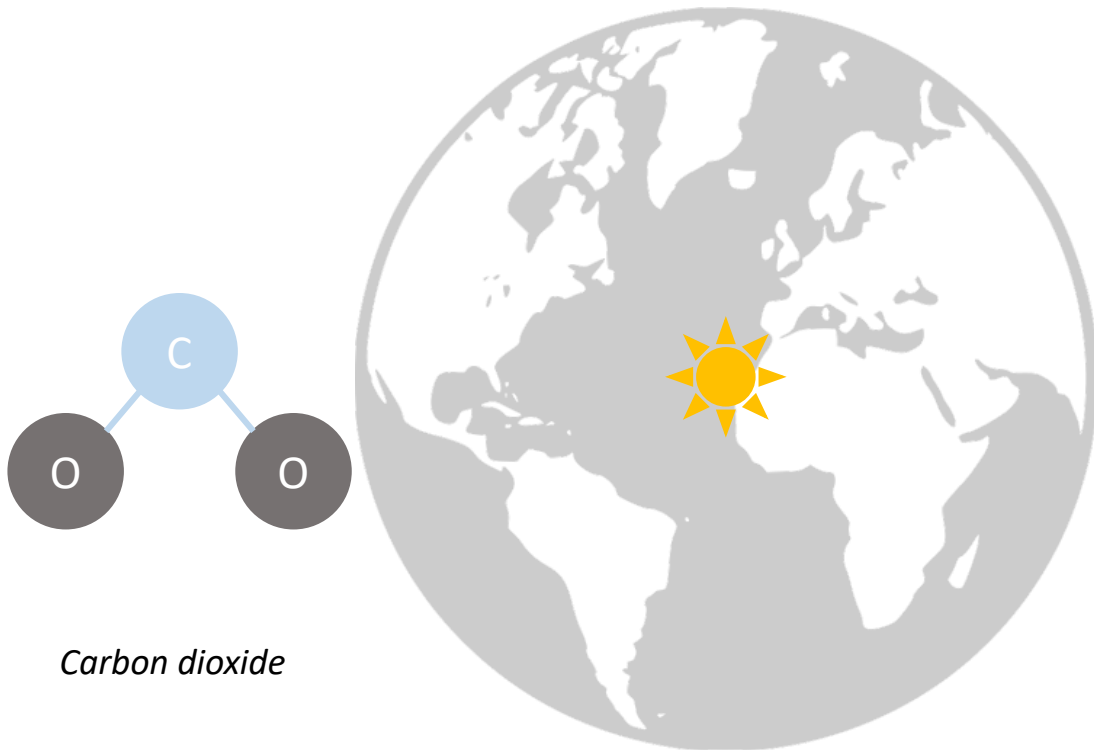
Source: UNEP

# Methane is a more powerful greenhouse gas than CO<sub>2</sub>

**Global Warming Potential:** A measure of how much heat a greenhouse gas traps in the atmosphere, over a specific time horizon, relative to carbon dioxide

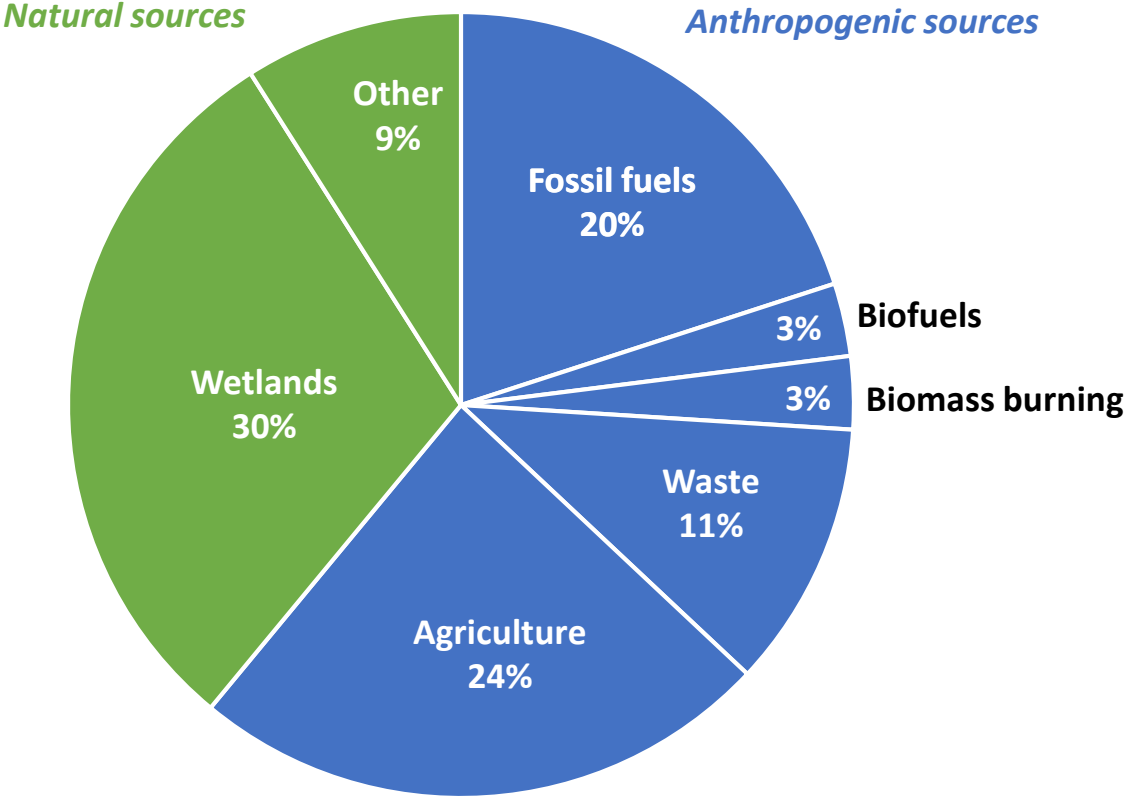
Each molecule of methane captures more heat than each molecule of carbon dioxide.

Over **20** years, this means methane captures **over 80 times** more heat than carbon dioxide.



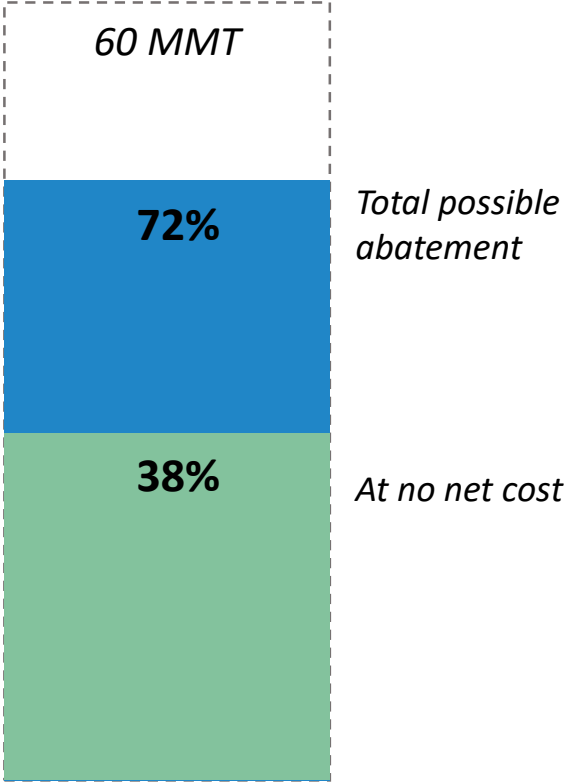
# Oil and gas is a leading source of methane

Sources of Methane Emissions



Source: US EPA

Methane Reduction Potential from Oil and Gas



Source: IEA

# UNEP Global Methane Work

## International Methane Emissions Mechanism

### Transparency

To provide a **protocol** for companies to manage emissions, as well as a **credible platform** to report on emissions reductions

**Oil and Gas Methane Partnership**

### Science

To improve the **understanding** of methane emissions from the oil and gas industry through a series of **peer-reviewed** scientific studies

**Methane Science Studies**

### Policy

To provide **support** to policymakers and regulators in developing countries for **regulating** methane emissions

**Global Methane Alliance**

Reduce oil and gas methane emissions by 45% by 2025 and 60%-75% by 2030

Goal

Activities

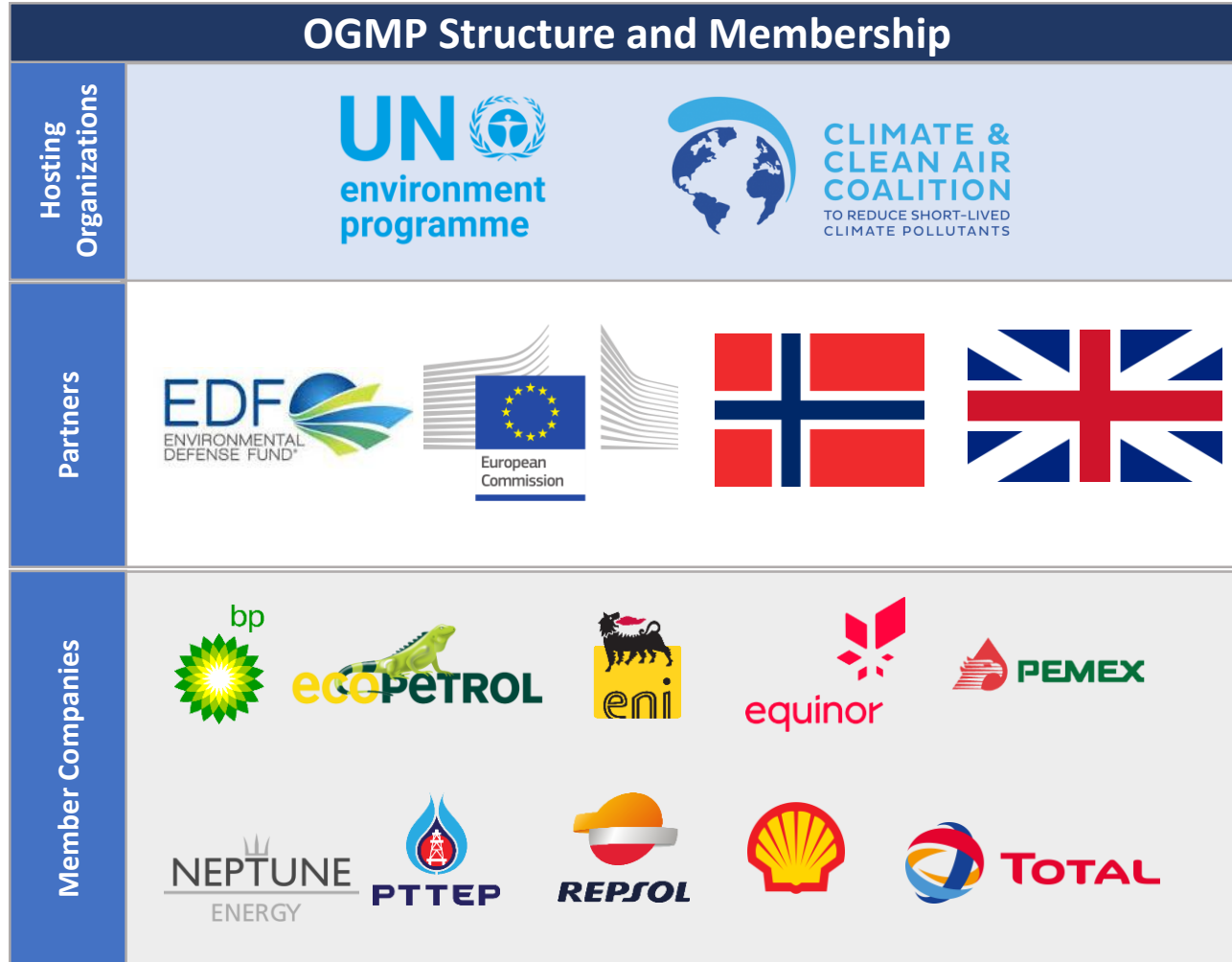
# Oil and Gas Methane Partnership (OGMP)

Voluntary mechanism launched by UNSG in 2014, substantially enhanced in 2020

- Scope extended to Operated and Non-Operated venture
- Improve quality of measurement over 3 to 5 years
- Provide governments and the public with assurance
- Provide companies with a credible means to demonstrate Gold Standard Performance



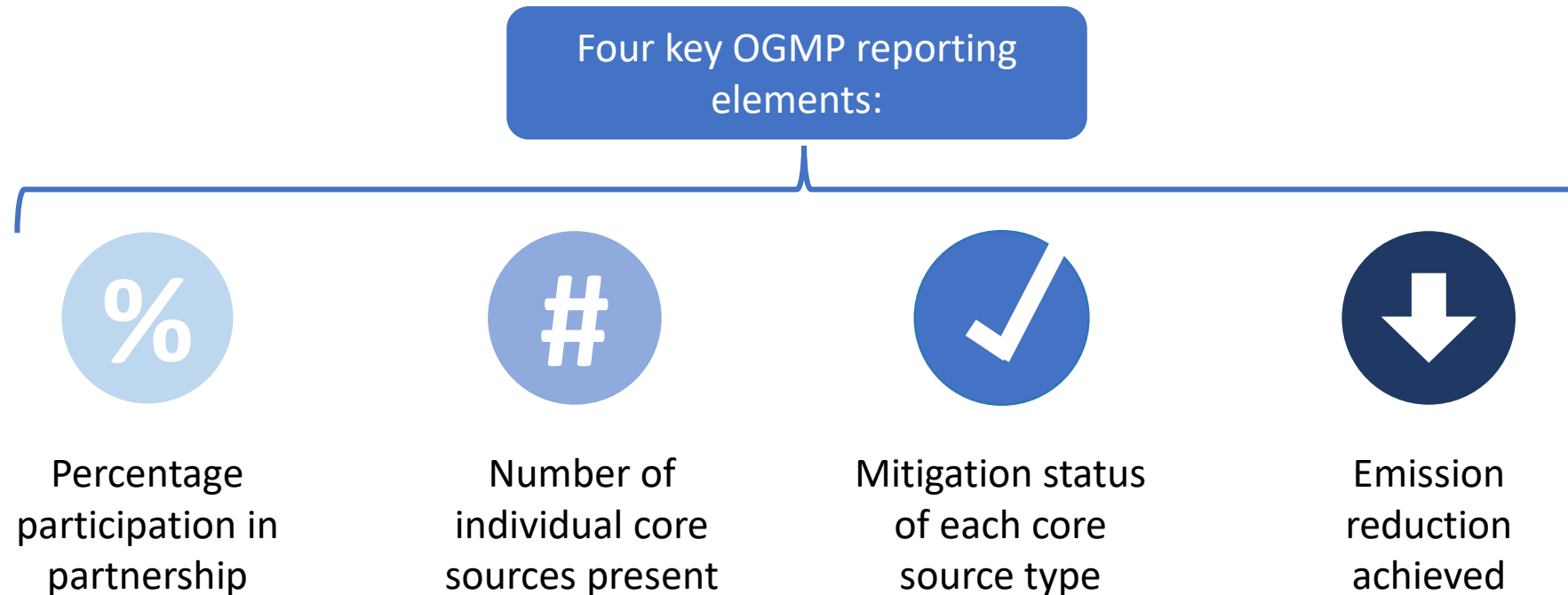
# The Oil and Gas Methane Partnership (OGMP) brings together governments, international organizations, NGOs, and industry



## Key Facts:

- ➡ Launched 2015
- ➡ The only multi-stakeholder initiative working on methane
- ➡ Raised awareness on methane globally
- ➡ Voluntary company initiative
- ➡ Covers 15% of oil and gas production
- ➡ Created series of Technical Guidance Documents

# The original OGMP reporting framework gave companies a credible platform to demonstrate verifiable emissions reductions



## ***Core methane emission source categories include:***

- *Natural gas driven pneumatic controls and pumps*
- *Fugitive equipment and process leaks*
- *Centrifugal compressors with “wet” seals*
- *Reciprocating compressor rod seals/packing vents*
- *Glycol dehydrators*
- *Hydrocarbon liquid storage tanks*
- *Well venting for liquids unloading*
- *Well venting/flaring during well completion*
- *Casinghead gas venting*



# The shifting methane landscape required an update to the original reporting framework

## *Original OGMP design*

Provides reporting framework only for **upstream** companies...

Requires methane reporting only from companies' **operated** assets...

Companies do not publicly report actual **methane emissions figures**...



## *Current trends*

...but methane activity by **mid- and downstream** operators is also relevant and receiving growing attention

...though **non-operated ventures** are gaining attention from NGOs and investors

...as public concern about methane is increasing, driving a desire to see **real, substantiated reductions**

# OGMP 2.0 updates the original reporting framework

## OGMP 1.0

The original OGMP framework applied to **nine core sources** for member companies **operated production** at **participating upstream assets**.

Reporting did not include emissions levels, but instead focused on:

- 📊 Percentage participation in partnership
- # Number of individual core sources present
- ✅ Mitigation status of each core source type
- ⬇️ Emission reduction achieved

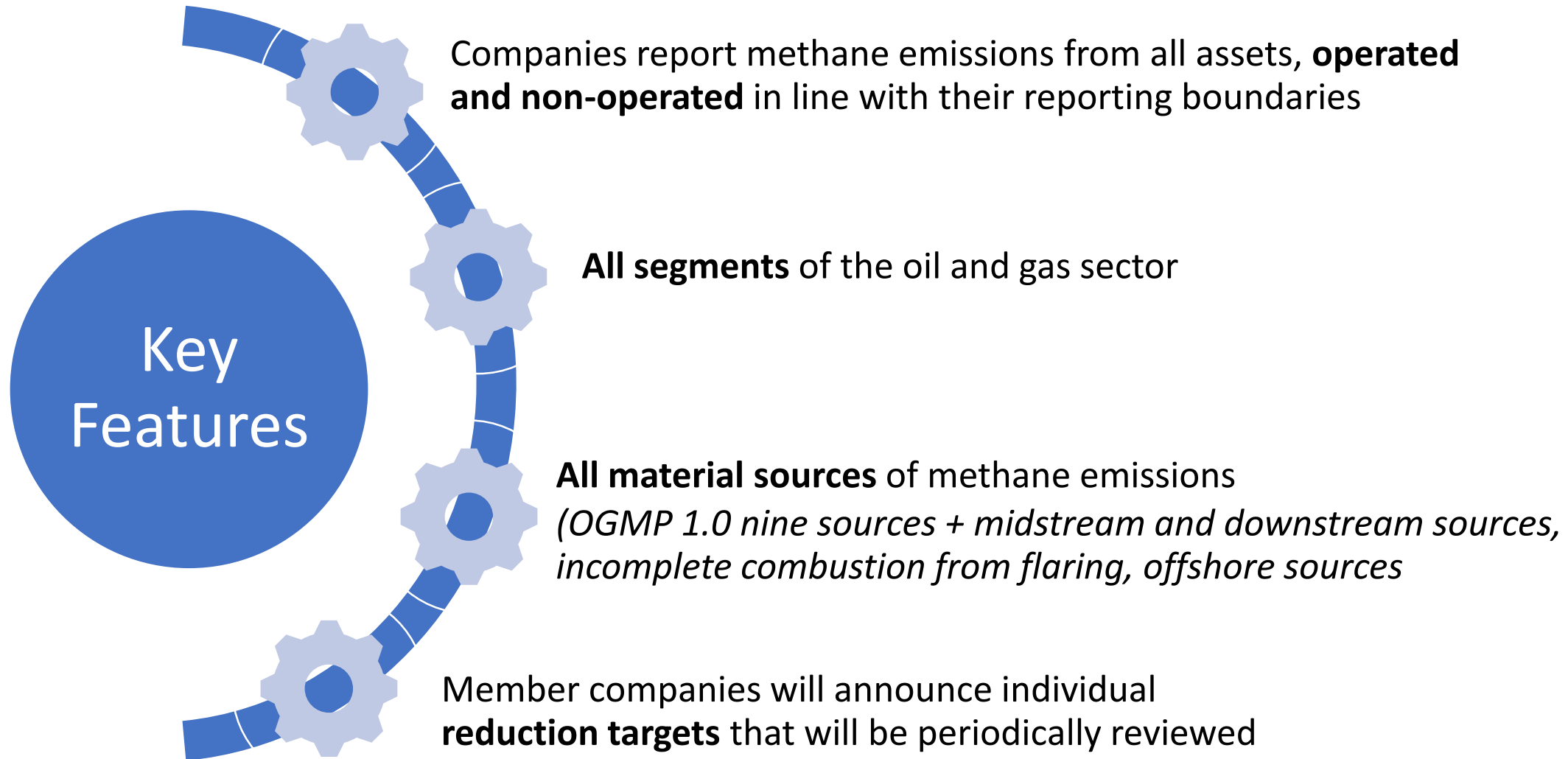
## OGMP 2.0

OGMP 2.0 expands reporting to **all material sources** of methane emissions from **operated and non-operated assets** across the **entire oil and gas value chain**.

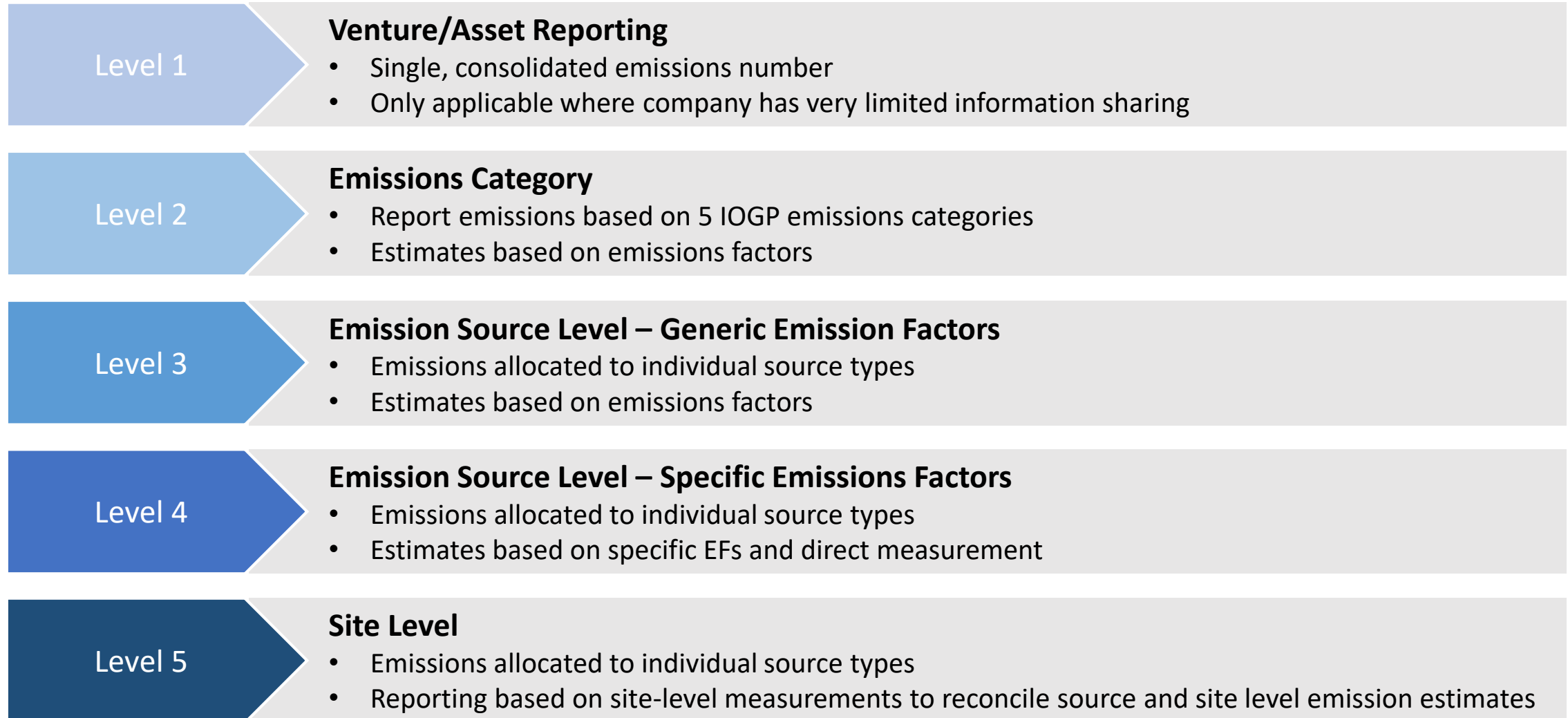
Reporting on emissions levels is split into 5 categories:

<b>Asset/Venture</b>	Single, consolidated number
<b>Emissions Category</b>	Emissions factors based on 5 IOGP emissions categories
<b>Emissions Source Level (Generic)</b>	Generic emissions factors allocated to individual source type
<b>Emissions Source Level (Specific)</b>	Specific emissions factors based on direct measurement
<b>Site Level</b>	Reconciliation of site- and source-level measurement

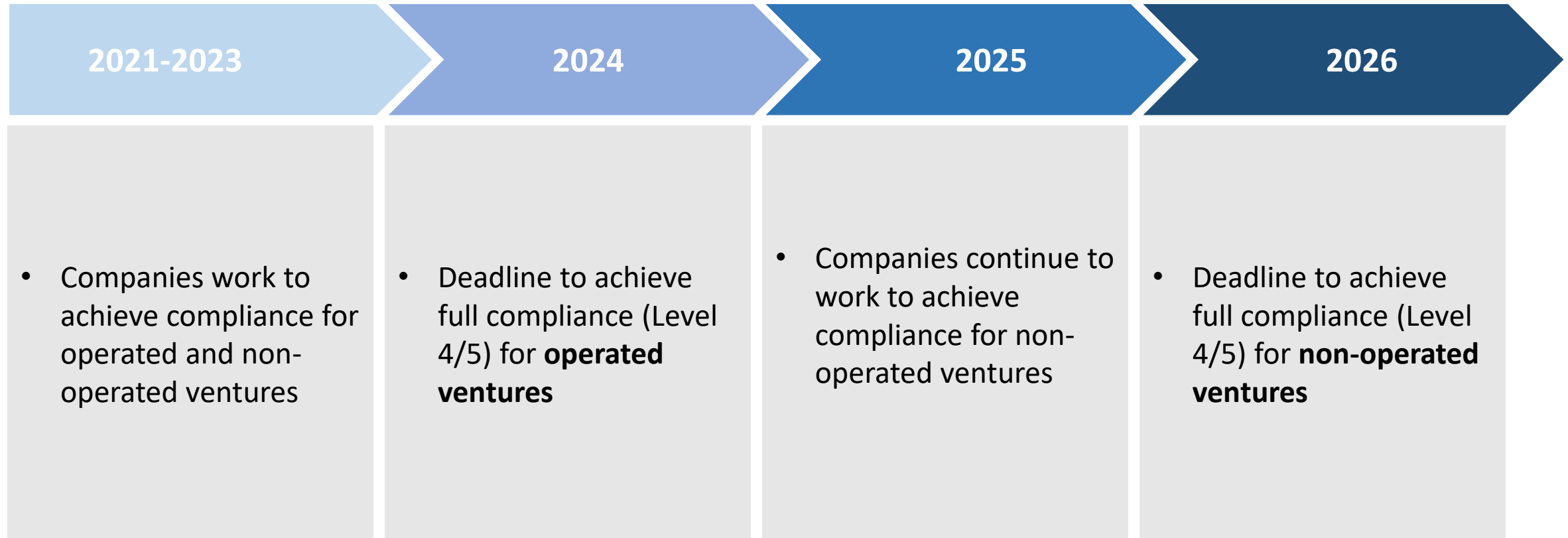
# OGMP 2.0: The new “gold standard” of methane reporting



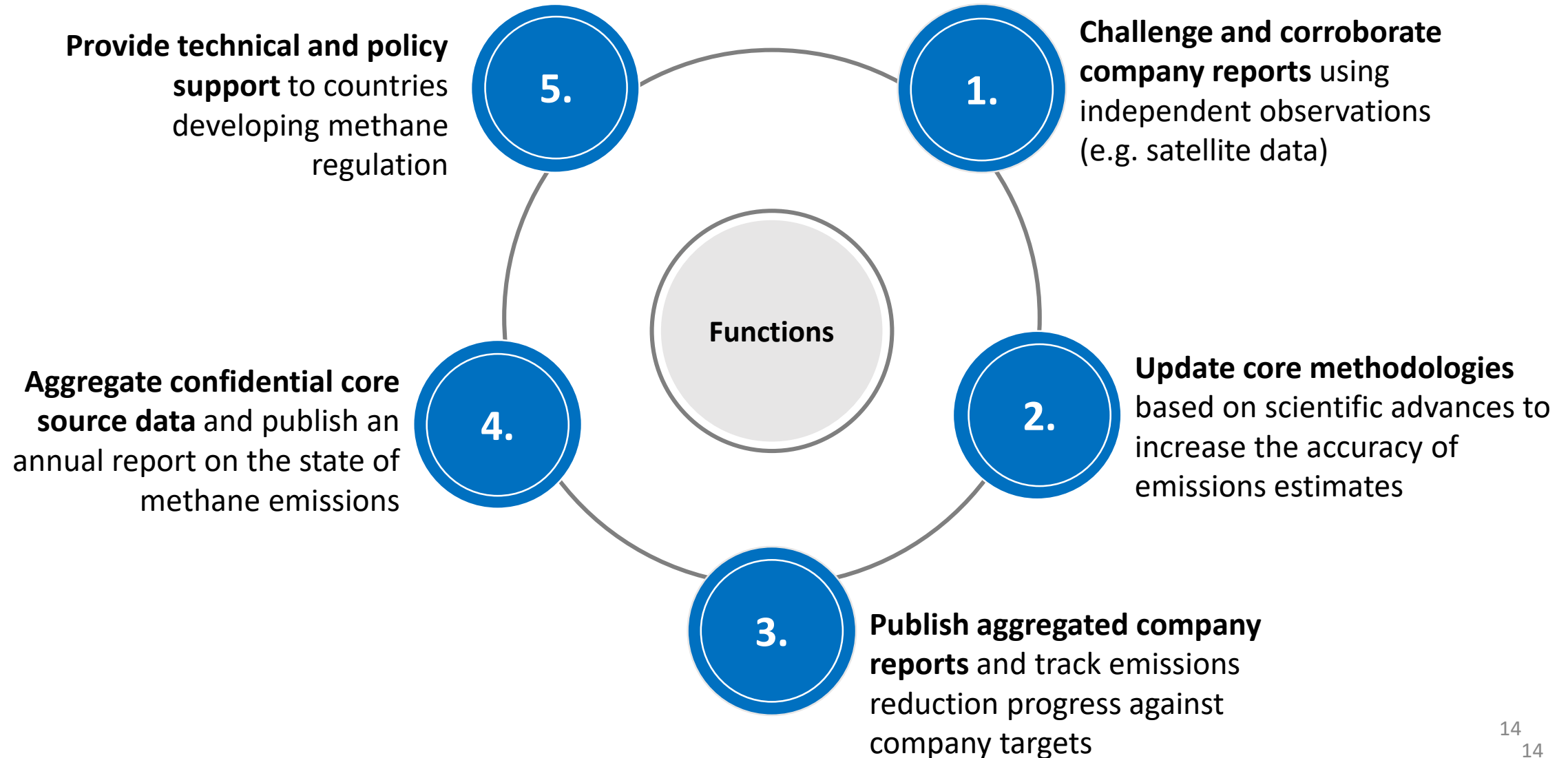
# OGMP 2.0 allows companies to categorize asset-level reporting by 5 categories



# New reporting requirements will be implemented in phases



# The International Methane Emissions Mechanism drives synergy between multiple methane programs



# Thank you

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