

Oil and Gas Methane Partnership 2.0

Manfredi Caltagirone

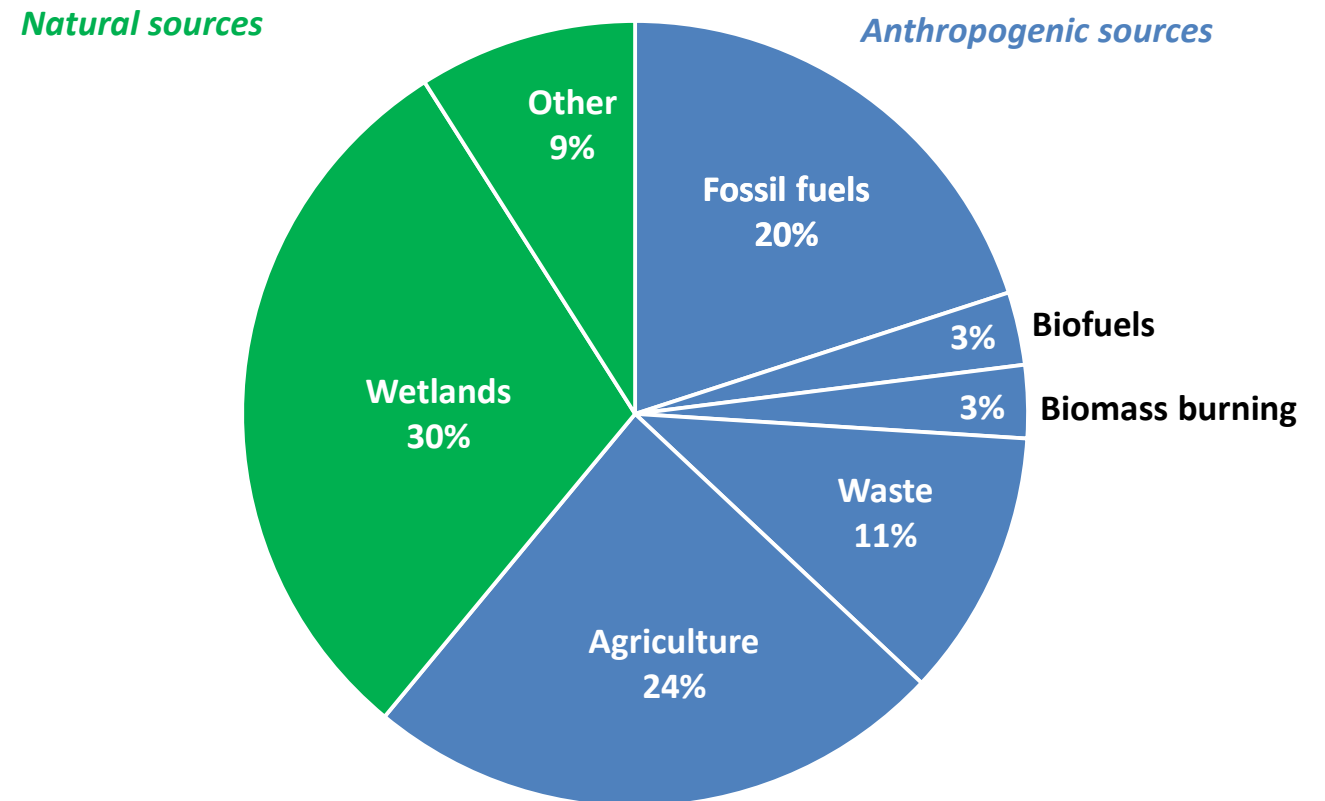
19 November 2020

Why methane matters

Methane is over **80 times** more powerful than CO₂ and responsible for **25%** of the warming we are experiencing today

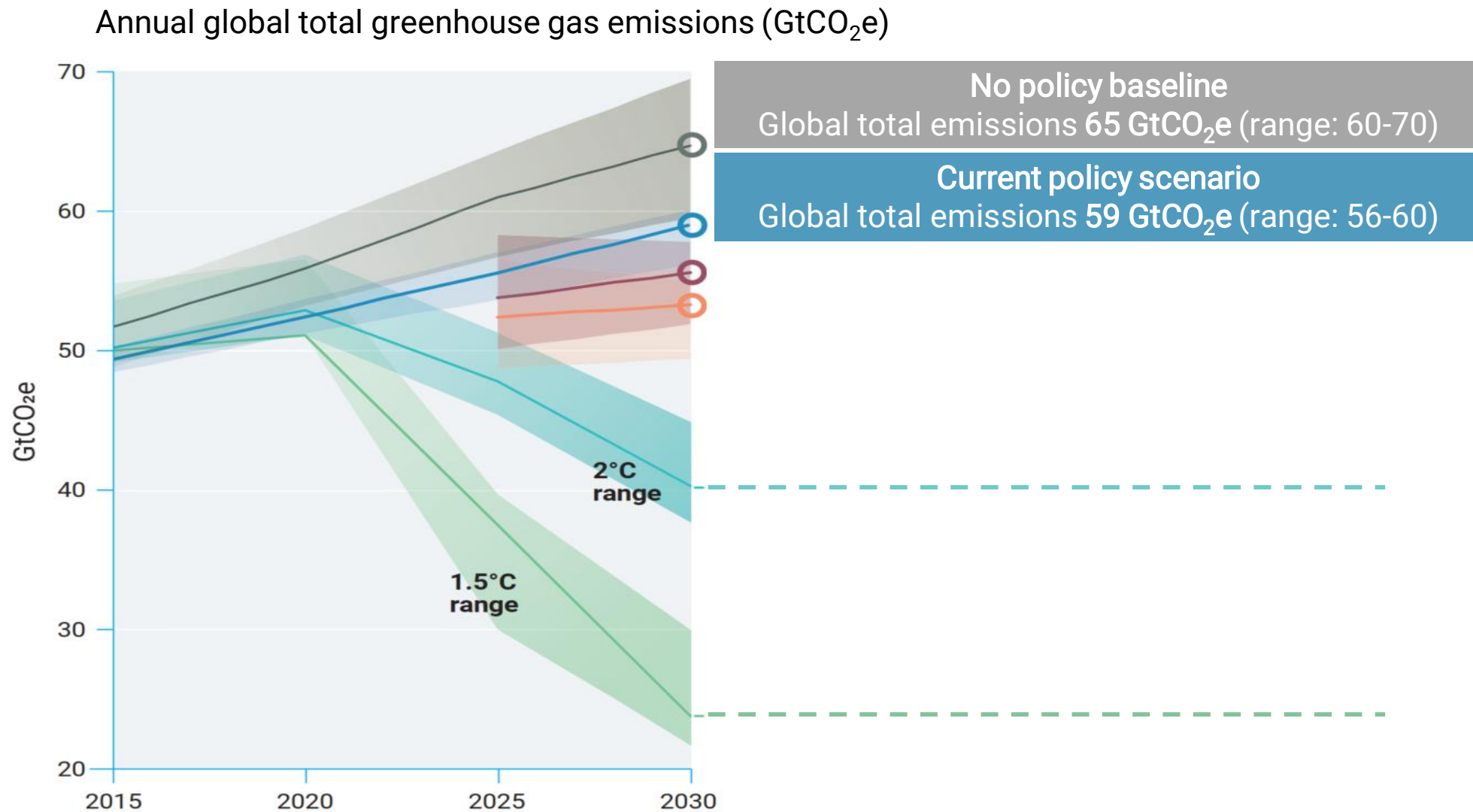
The oil and gas sector is one of the largest emitters of methane, with **low-cost, technically feasible** solutions available today

Sources of Methane Emissions



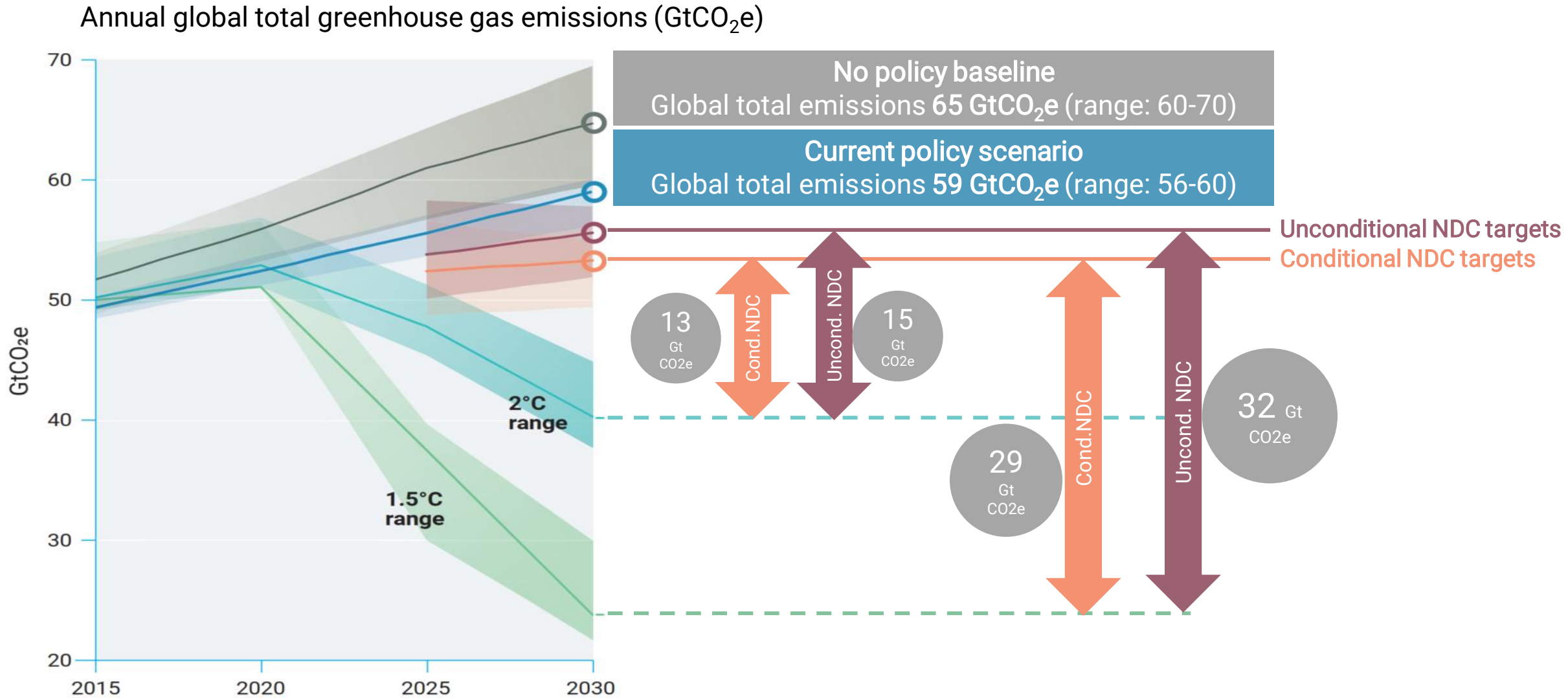
Source: Saunio et al. (2016)

The global greenhouse gas emissions gap is larger than ever



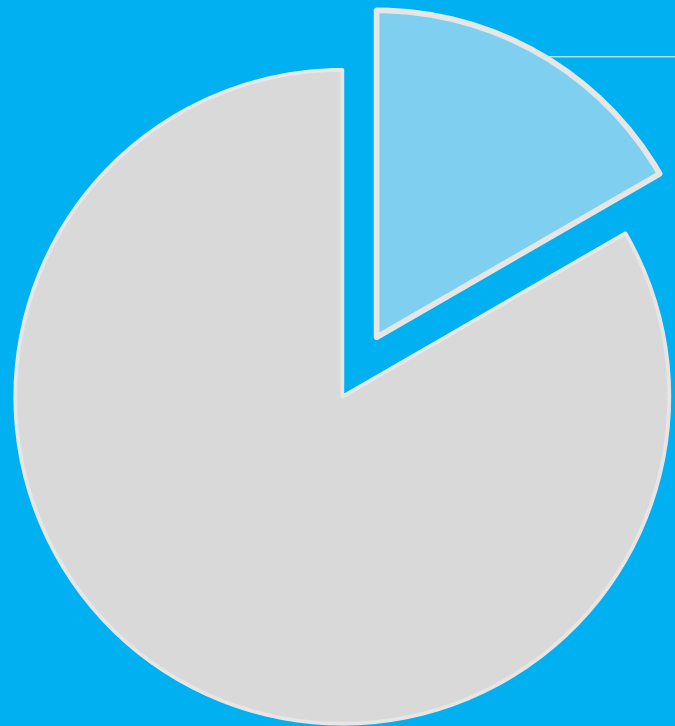
Source: UNEP Emissions Gap 2019

The global greenhouse gas emissions gap is larger than ever



Source: UNEP Emissions Gap 2019

We have an essential opportunity to reduce the global emissions gap by acting on methane emissions



Up to 15% of the global emissions gap could be eliminated with **low-cost, technically-feasible methane mitigation**

UNEP has engaged on methane mitigation since 2014, leading work in three key areas:

Transparency

Science

Policy

UN Environment Programme Global Methane Workstreams

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

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

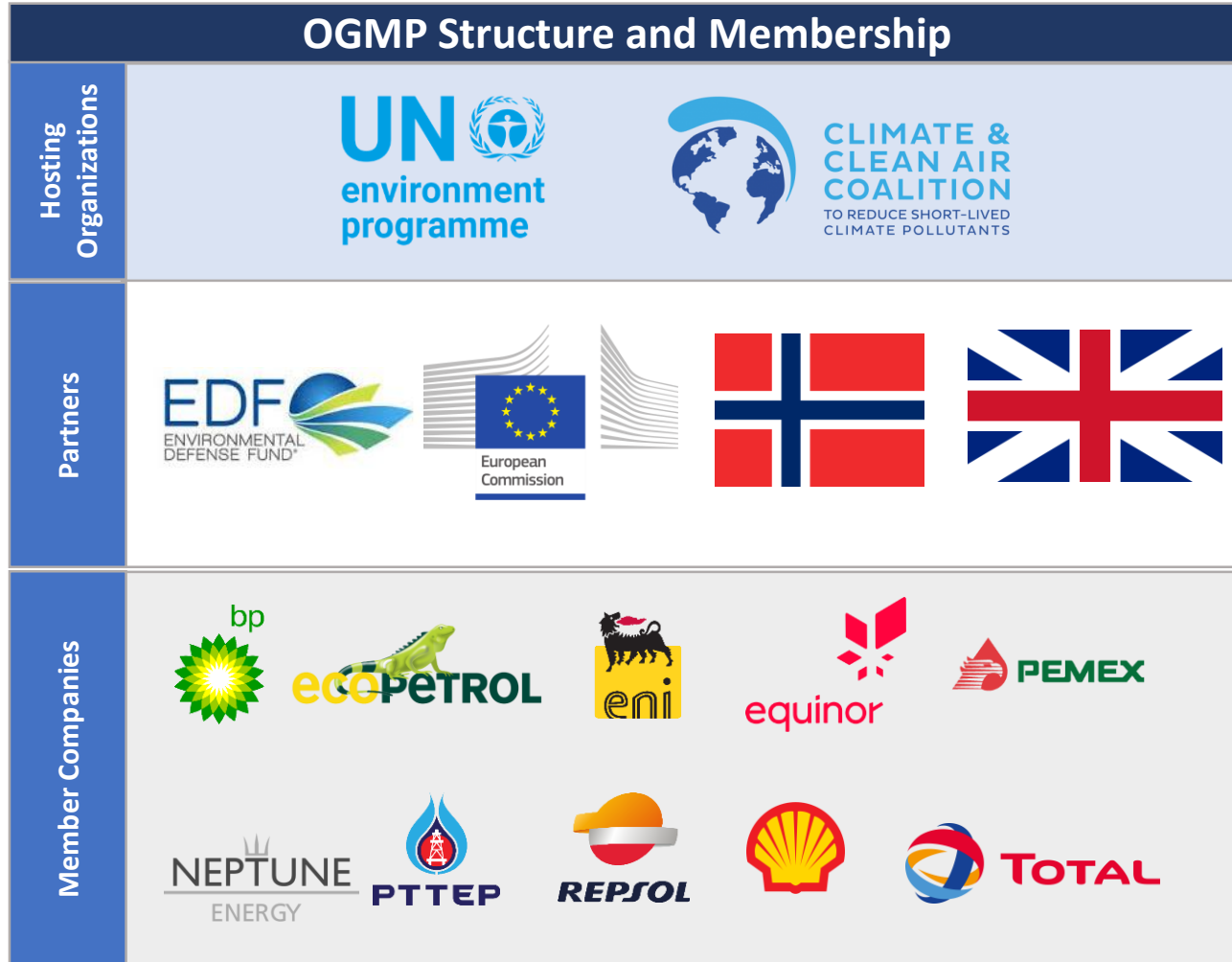
To provide **support** to policymakers and regulators in developing countries for **regulating** methane emissions

Global Methane Alliance

Goal

Activities

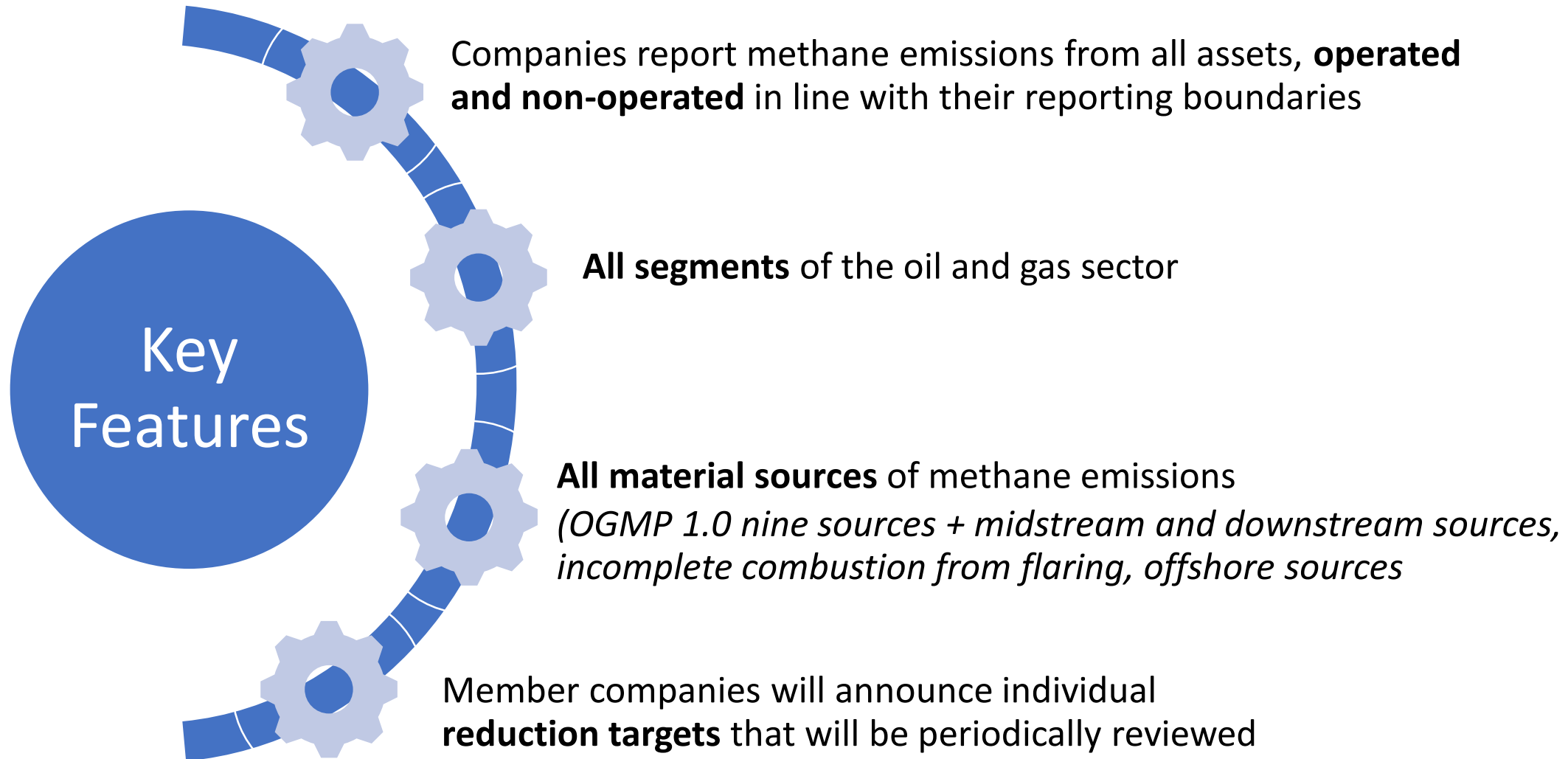
The Oil and Gas Methane Partnership (OGMP) brings together governments, international organizations, NGOs, and industry



Key Facts:

- ➡ Launched in 2014 at the UN Secretary-General's Climate Summit
- ➡ The only multi-stakeholder initiative working on methane reporting
- ➡ Raised awareness on methane globally
- ➡ Voluntary company initiative
- ➡ Covers 15% of oil and gas production
- ➡ Created series of Technical Guidance Documents

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



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

Level 1

Venture/Asset Reporting

- Single, consolidated emissions number
- Only applicable where company has very limited information sharing

Level 2

Emissions Category

- Report emissions based on 5 IOGP emissions categories
- Estimates based on emissions factors

Level 3

Generic Emission Source Level

- Emissions reported by detailed source type
- Estimates based on generic emissions factors

Level 4

Specific Emission Source Level

- Emissions reported by detailed source type using specific emissions and activity factors
- Based on direct measurement or other methodologies (e.g. OGMP TGDs, Marcogaz assessment)

Level 5

Site Level

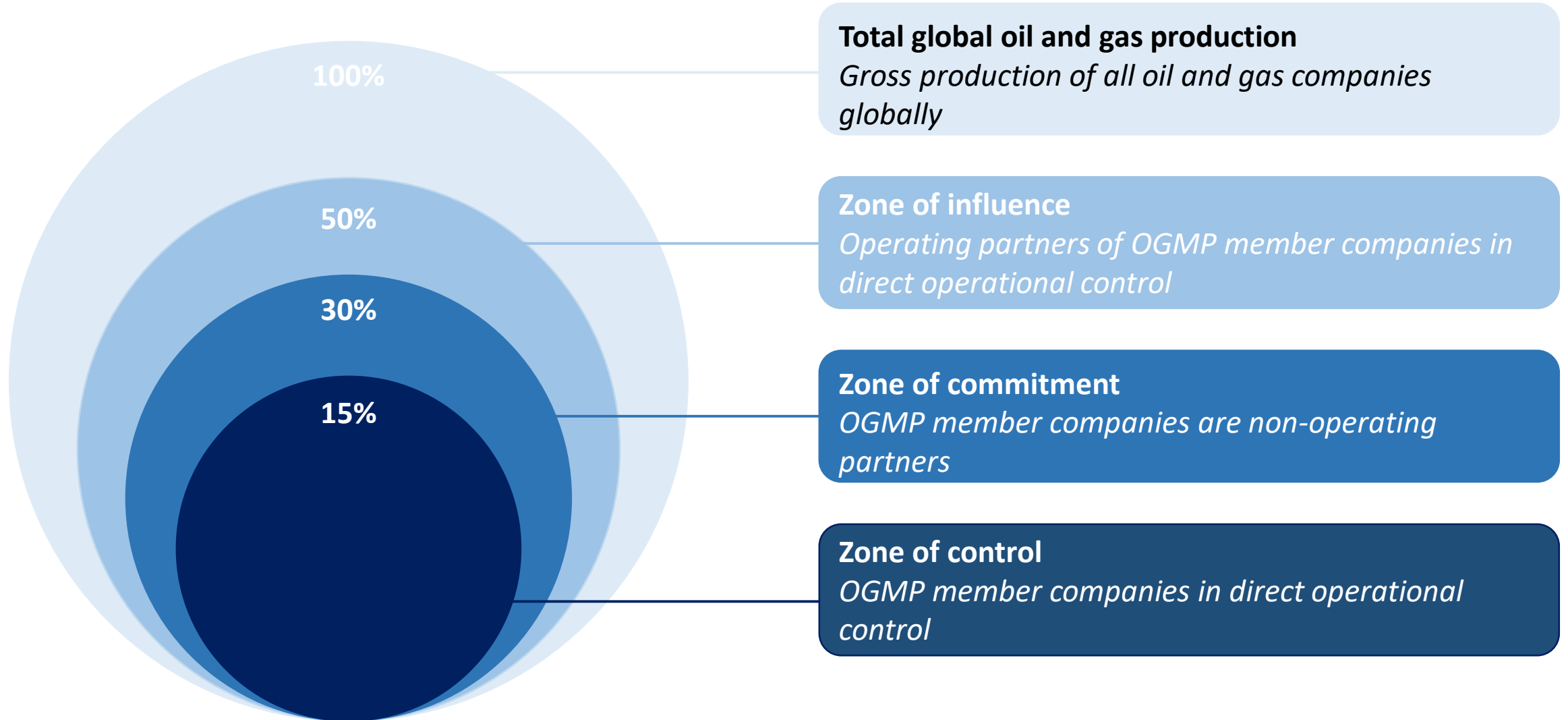
- Emissions allocated to individual source types
- Reporting based on site-level measurements to reconcile source and site level emission estimates

**Gold standard is achieved when all assets with material emissions and where there are no demonstrable impediments report at level 4 and demonstrate efforts to move to level 5.*

With the launch of OGMP 2.0, over 50 new companies will join the Partnership

- Unareti
- BALANCE Erneuerbare Energien GmbH
- Coteq Netbeheer B.V.
- Enduris B.V.
- Enexis
- Liander N.V.
- MEDGAZ, S.A.
- N.V. RENDO
- ONTRAS Gastransport GmbH
- Netbeheer Nederland
- Stedin Netbeheer B.V.
- Westland Infra Netbeheer B.V.
- Fluvius
- Storengy Deutschland
- STORENGY FRANCE
- LD Reti
- Retragas
- Adrigas
- Enagás
- Eustream, a.s.
- EWE GASSPEICHER GmbH
- GASCADE Gastransport GmbH
- Gasunie Deutschland Transport Services GmbH
- GEI SPA
- GRDF
- GRTgaz Deutschland GmbH
- Hellenic Gas Transmission System Operator (DESFA) S.A.
- Italgas
- NEL GasTransport GmbH
- NV Nederlandse Gasunie
- OGE
- OPAL Gastransport GmbH & Co. KG
- SNAM S.p.A.
- TeReGa
- Thüga AG
- Thyssengas
- Trans Austria Gasleitung GmbH
- Uniper Energy Storage GmbH
- VNG Gasspeicher GmbH
- Wintershall Dea GmbH
- GRTgaz
- EUROPE MAGHREB PIPELINE LIMITED
- NEDGIA (Naturgy group)
- Moldovagaz
- Storengy UK
- Energienetze Bayern GmbH & Co.KG
- PLANTA DE REGASIFICACIÓN DE SAGUNTO, S.A. (Saggas)
- REN
- schwaben netz gmbh
- Naftogaz
- Bahía de Bizkaia Gas, S.L.
- EWE NETZ GmbH
- Nowega GmbH
- Abu Dhabi National Oil Company

OGMP 2.0 could influence half of global oil and gas production



OGMP 2.0: Member Company Reporting Timeline



Member companies reported 2019 data using a hybrid approach of OGMP 1.0 and 2.0 framework

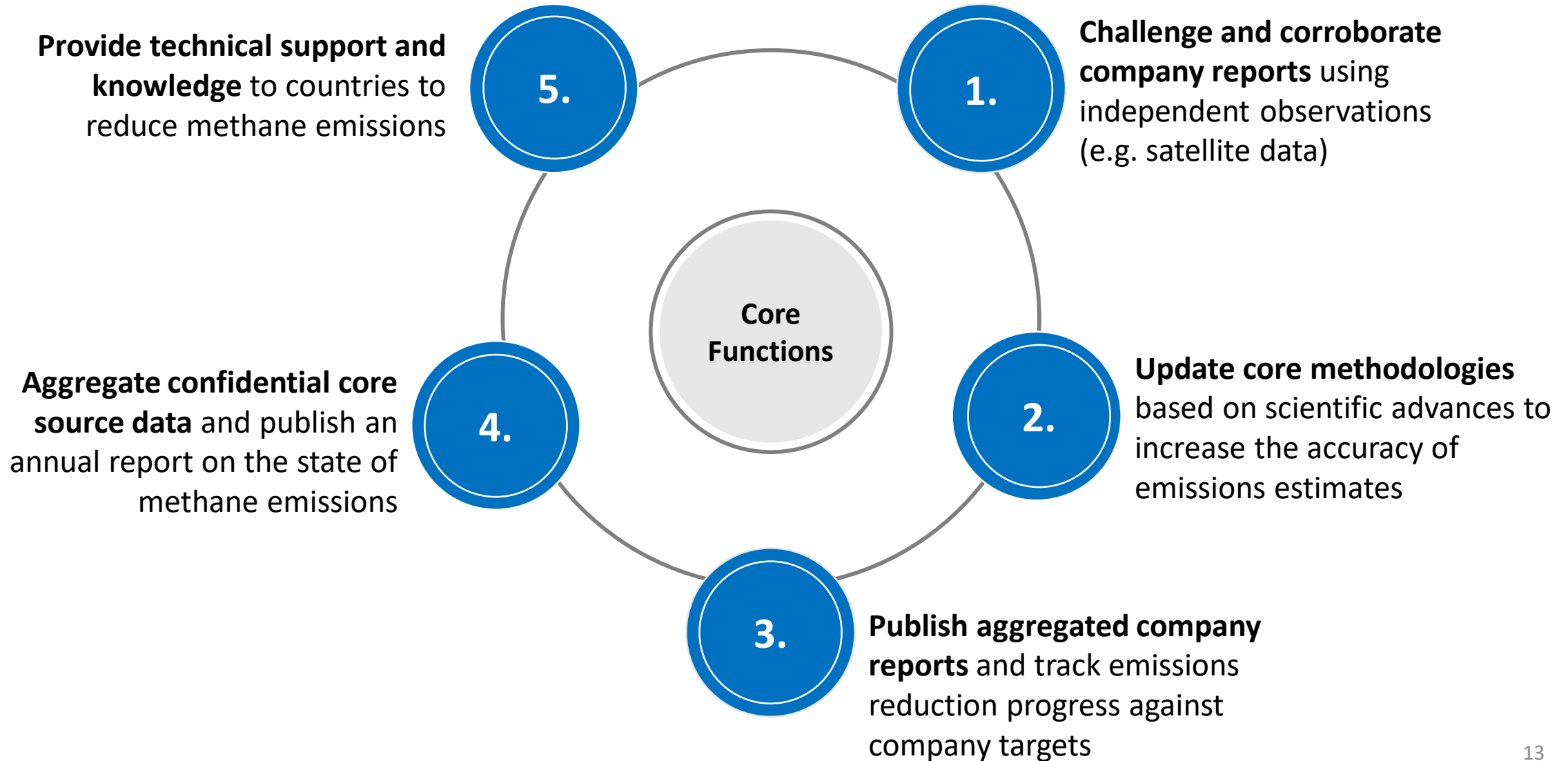


Member companies achieve gold standard for **operated assets** based on 2023 data

Member companies begin reporting using OGMP 2.0 framework

Member companies achieve gold standard for **non-operated assets** based on 2025 data

An International Methane Emissions Observatory will provide consistency among multiple methane programs



Thank you



Manfredi Caltagirone
Manfredi.caltagirone@un.org

www.unenvironment.org