Global Methane Emissions from Energy & Coal Sector

**kt**

Agriculture

Energy

Waste

Other

38%

kt

Onshore oil

Offshore oil

Onshore gas

Offshore gas

Gas pipelines and LNG facilities

Other from oil and gas

Satellite-detected large leaks

Steam coal

Coking coal

Other from coal

Bioenergy

32%

IMEO as implementing vehicle for the Global Methane Pledge

- **111** Countries/parties that have signed on to the EU- and US-led Global Methane Pledge
- **70%** Portion of the global GDP covered by signatories
- **30%** Collective methane reduction target by 2030
- **50%** Global anthropogenic methane emissions covered by the Pledge
1. [...] the International Methane Emissions Observatory shall be attributed a verification role with respect to methane emissions data, in particular with regard to the following tasks:

- aggregation of methane emissions data in accordance with appropriate statistical methods;
- verification of methodologies and statistical processes employed by companies to quantify methane emissions data;
- development of data aggregation and analysis methodologies in accordance with scientific and statistical good practice to ensure a higher level of accuracy of emission estimates, with appropriate characterization of the uncertainty;
- publication of aggregated company reported data by core source and by level of reporting, classified by operated and non-operated assets, in compliance with competition and confidentiality requirements;
- reporting of findings on major discrepancies between data sources.

2. The Commission may submit methane emissions data to the International Methane Emissions Observatory, as made available to it by the competent authorities in accordance with this Regulation.

3. The information produced by the International Methane Emissions Observatory shall be made available to the public and the Commission.
IMEO interconnects better data with action on transparency, science, and implementation

Close the knowledge gap on fossil fuel methane emissions through peer-reviewed studies and data reconciliation.

Provide accurate, unbiased and up-to-date information on methane emissions attributable to fossil fuel operations

Raise awareness and increase the capacity of governments to pursue science based-policy options to manage methane emissions from the fossil fuel sector.
A revolutionary approach to data will create the best existing picture of methane emissions globally.
Initiating impactful new studies on coal methane emissions

**Poland**
Direct measurements of coal emissions connecting bottom-up, top-down, and satellite measurements to develop emissions estimates for individual mines.

**Australia**
Pilot study in the Bowen Basin to reconcile bottom-up and top-down measurements using multiple methods with the goal of applying to a broader scale.

**Satellites**
Use TROPOMI data to characterize emissions at a basin- and country-scale and test how point source information can improve the results of regional quantification.
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Thank you

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