A global problem requires a global solution

UNEP has established the International Methane Emissions Observatory (IMEO), a data-driven, action-focused Observatory to catalyze reductions in methane emissions globally to levels consistent with the Paris Agreement targets.
Atmospheric methane level is growing
Methane emissions is a global issue
Methane emissions from fossil fuels in the NZE of the IEA
IMEO interconnects activities across the methane ecosystem

**DATA**
- Integrate and analyze data from all sources and disclose an improved characterization of global methane emissions.
- Provide early warning services to detect extraordinary methane emissions.
- Commission measurement studies of fossil fuel value chains.
- Validate measurement methodologies and technologies so that best available measurement systems are utilized on a wide scale.

**SCIENCE**
- Collect emissions data through the OGMP and verify progress towards announced targets.
- Engage companies to improve methane performance.
- Validate measurement methodologies and technologies so that best available measurement systems are utilized on a wide scale.

**TRANSPARENCY**
- Engage countries by developing policy relevant science, strengthening the science-policy interface, and deepening the understanding of the importance of methane emissions management.

**IMPLEMENTATION**
- Integrate and analyze data from all sources and disclose an improved characterization of global methane emissions.
- Provide early warning services to detect extraordinary methane emissions.
How will IMEO answer the methane emissions data problem?

Data flow of the IMEO

Collect data
- OGMP companies' assets data
- science measurements studies
- satellite data
- national inventories

Apply Big Data, data science, and machine learning

Reconcile inconsistencies and identify gaps

Generate final products
- Full methane emissions dataset
- Annual methane report
- Direct measurement studies
- Science-based implementation support