

UNEP's International Methane Emissions Observatory: improving methane data for mitigation

- IMEO exists to provide **open, reliable, and actionable data** to the individuals with the agency to reduce methane emissions
- Currently using **>12 space missions** to collect methane emission data
- **GOSAT-GW:**
 - More accurate methane measurements
 - Better coverage in areas difficult to observe
 - Less artifacts related to the albedo and aerosols compared to TROPOMI
- IMEO, in collaboration with partners (SRON), will explore how to **optimize the use of GOSAT-GW data:**
 - Apply **ML methods** for automatic plume detections
 - Explore the potential of the **“focus mode”**
 - **Combine** the data with other satellite observations
- **Rapid access to the observations critical for IMEO to make data actionable**

