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# Methane Monitoring Programme



The Methane Monitoring Programme, funded by UK Space Agency, in partnership by Satellite Applications Catapult and GHGSat offers a unique opportunity for UK organisations to access high-resolution methane emissions satellite data, for free for Research & Development (R&D) purposes.

## Why focus on Methane (CH<sub>4</sub>) emission?

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Methane is a potent greenhouse gas. Unlike carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>) has a much shorter atmospheric lifespan but when released into the atmosphere is more effective at trapping reflected thermal radiation. Taking action to reduce and eliminate methane emissions will have a positive impact on global efforts to keep planetary warming to 1.5°C.

## The Data

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This programme offers UK organisations free access to a large dataset of archive GHGSat satellite observations from methane sites of interest across the globe. The dataset includes measurements from 1,500+ satellite observations across 424 specific sites. Sites of interest were selected across multiple industries where methane emissions are expected to occur.

## Programme Benefits to UK Organisations

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The programme aims to help UK organisations investigate satellite data and understand how it can support sustainability targets.

- **Visibility:** Satellite tasking provides an independent, high-resolution satellite image identifying any emissions.
- **Measurement:** Accurately measure methane emissions and develop mitigation and elimination strategies.
- **Reporting:** Investigate how satellite data can be incorporated into existing reporting systems to demonstrate positive action and achieve KPIs.
- **Verification:** Analysis of emissions data supplied to verify compliance.
- **Transparency:** Showcase positive change with before and after satellite evidence for ESG Reporting, shareholders, investors, and customers.
- **Scope 3 GHG Protocols:** Support the reporting of Scope 3 GHG emissions through the supply chain.

## Sector relevance

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The programme is relevant to:

- Sectors where methane emissions occur eg Agriculture and Farming, Wastewater, Waste Management and Food Waste processing, Mining and Extractive industries.
- Sectors where methane emissions can occur through the supply chain and Scope 3 reporting is needed eg Food and Drink, Retail or Supermarkets.
- Sectors undertaking research, reporting or consultancy activities.

## Programme Timeframe

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- The programme, funded by UK Space Agency, will be available to UK organisations until March 2025.
- UK Organisations are urged to explore the role that satellite data could play in their steps to take positive climate change action, with no financial risks.

## Find out more

Visit <https://sa.catapult.org.uk/projects/methane-monitoring/> to learn more about the programme and request access to the dataset.

Scan QR codes

