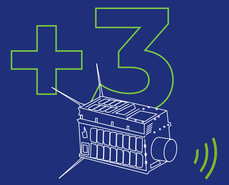
Q1 2022

IN FOCUS
A look into GHGSat's latest satellite emissions data

GHGSAT™

HIGHEST METHANE EMISSIONS DETECTED TO DATE

Global methane emissions continued to increase in Q1 2022. Tens of thousands of facilities were measured worldwide.

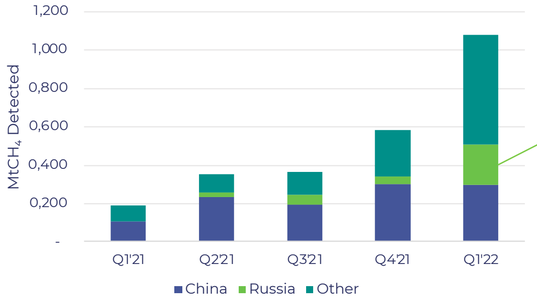


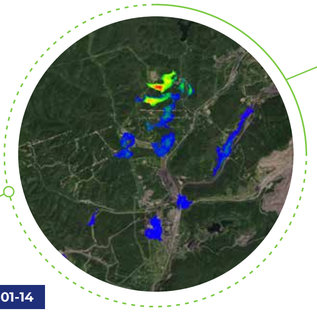
With 3 more satellites in orbit soon, **we will be doubling our monitoring capacity in 2022**.

CHANGING EMISSIONS FROM ENERGY

Coal is Back

China continues to have the largest coal mining emissions, but emissions from Russian coal mines increased significantly in Q1'22.





2022-01-14

Coal Mine - **Russia**

1 year of emissions at this rate **=**

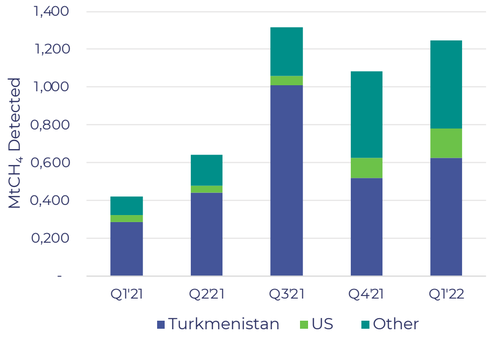
4M+

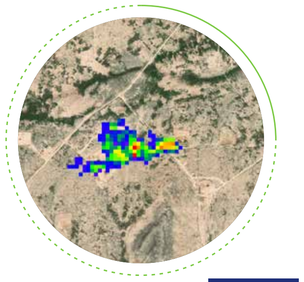
cars driven for 1 year

In Q1, our constellation measured 13 plumes from a single coal mine in Russia - emitting a total of >87 t/h CH4

Oil & Gas Stable

Central Asia remains the biggest emitter. However, other regions show significant methane emission increases in Q1, notably the Permian Basin in the US.





2022-03-24

Oil & Gas infrastructure - **USA**

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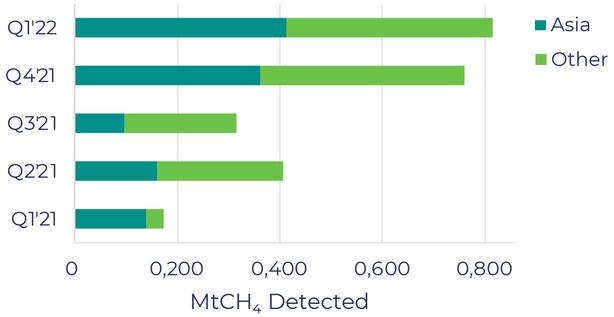
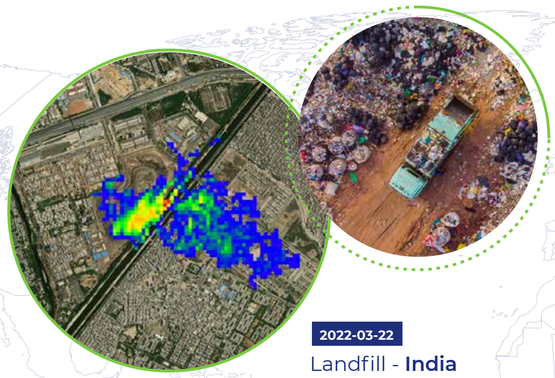
Landfill emissions remain significant

India continues to have the largest total methane emissions from landfills.





2022-03-22

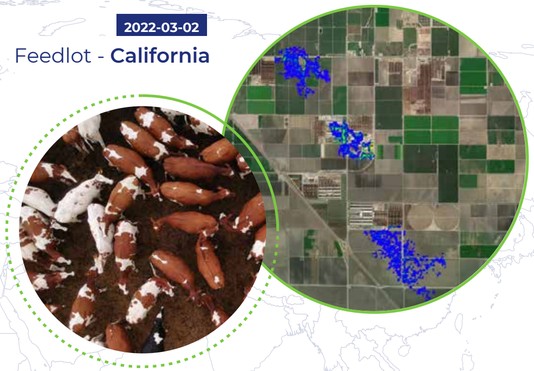
Landfill - **India**

Cow burps seen from space

Agricultural methane emissions have long been known to be important in California. Five feedlot methane emissions were recorded in a single observation early March. Enough to power 15,000 homes for a year!

This highlights the capability to monitor agricultural emissions activity using high-resolution satellites.

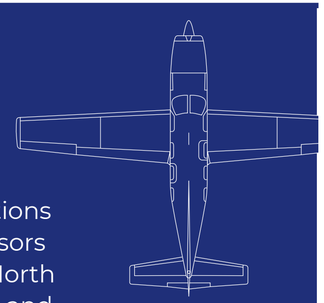
Read more here →



2022-03-02

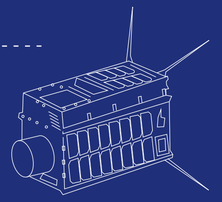
Feedlot - **California**

2 Airborne Instruments



GHGSat provides customers with more options to stay compliant, cost-effectively. Two sensors were deployed over several shale plays in North America in Q1 – with surveys set for Europe and Australia next.

3 More Satellites for Impact



Launching more satellites will provide more capacity and higher revisit frequency for comprehensive coverage. GHGSat's constellation doubles to 6 satellites in orbit this summer, and will increase to 10 by the end of 2023.

See the Data

All the data is available by subscription on SPECTRA, GHGSat's emissions data portal. Accurate data is available today to support your emission targets and mitigation strategies.

Be the first to know.

Schedule a demo with our experts. →

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