

# Methane Emission Monitoring With Satellite Data

Iraq / Asia

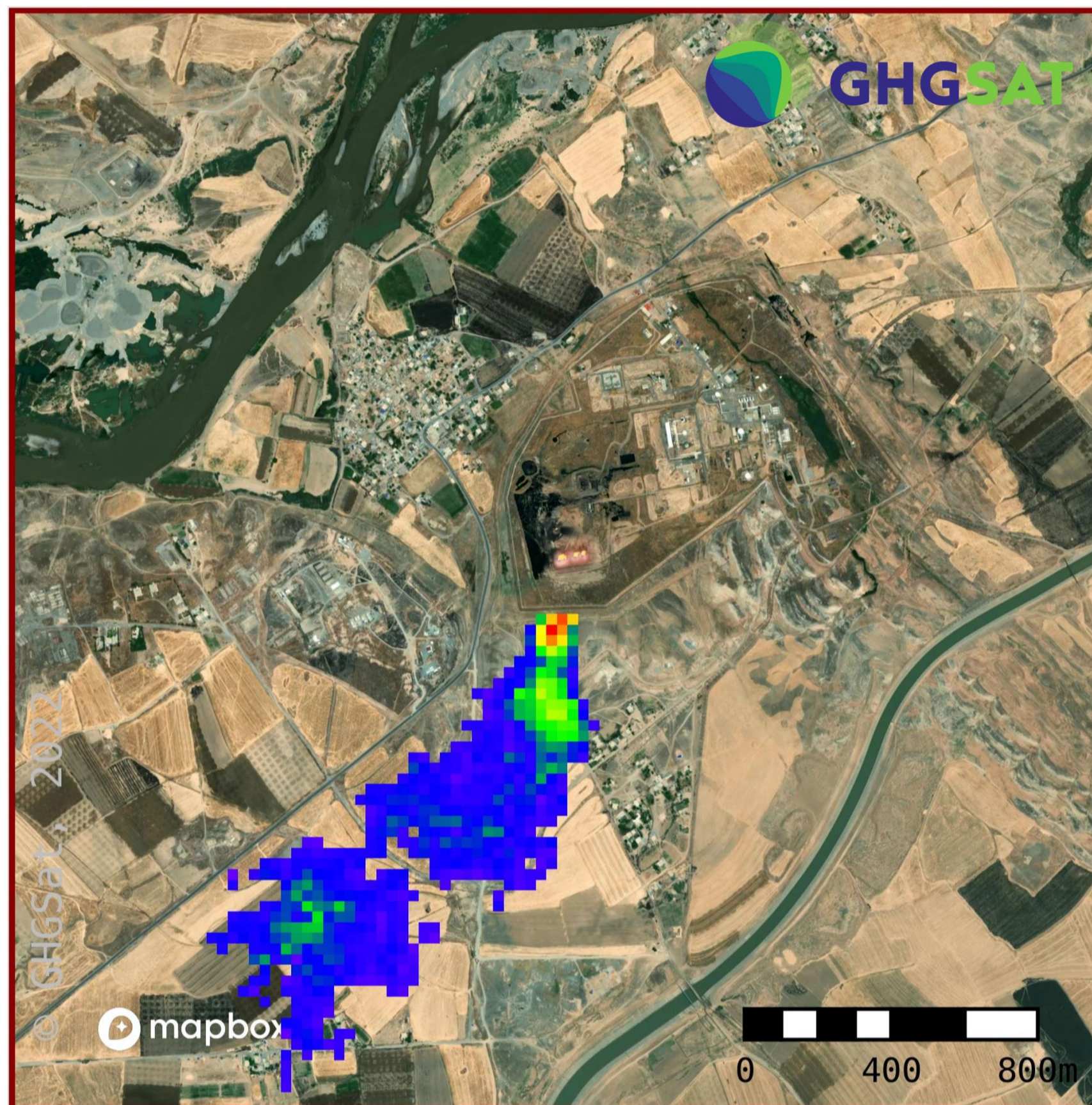


## PROJECT DESCRIPTION

GHGSat participated in a monitoring campaign to conduct more than 175 high-resolution satellite observations over 6 large oilfields in Iraq during a 9-month period from late 2021 into 2022.

The Oil and Gas Climate Initiative (OGCI) initiated this program to help oil & gas companies reduce methane emissions from their operations. The campaign successfully demonstrated the enormous potential that satellite technology offers, alongside direct engagement and knowledge sharing with local operators, to make significant and cost-effective methane emissions reductions.

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## RESULTS ACHIEVED

- Over 80% of observations identified and quantified emission rates, with gas flaring, direct venting, and maintenance events the primary sources.
- The average emissions rate at the areas of interest neared 1,500 kilograms methane/hour, equivalent to the hourly energy use of 43,000 US homes.
- Cooperation across stakeholders yielded mitigation equivalent to greater than 150,000 cars on the road for a full year, if left unchecked for the same period.
- Based on successful results, the Satellite Monitoring Campaign has been expanded to 26 sites in Iraq, Kazakhstan, Algeria, and Egypt.

## PARTNERS INVOLVED IN PROJECT

- GHGSat
- Oil and Gas Climate Initiative (OGCI)
- Carbon Limits

**CARBON LIMITS**

