

GHGSAT – CO2

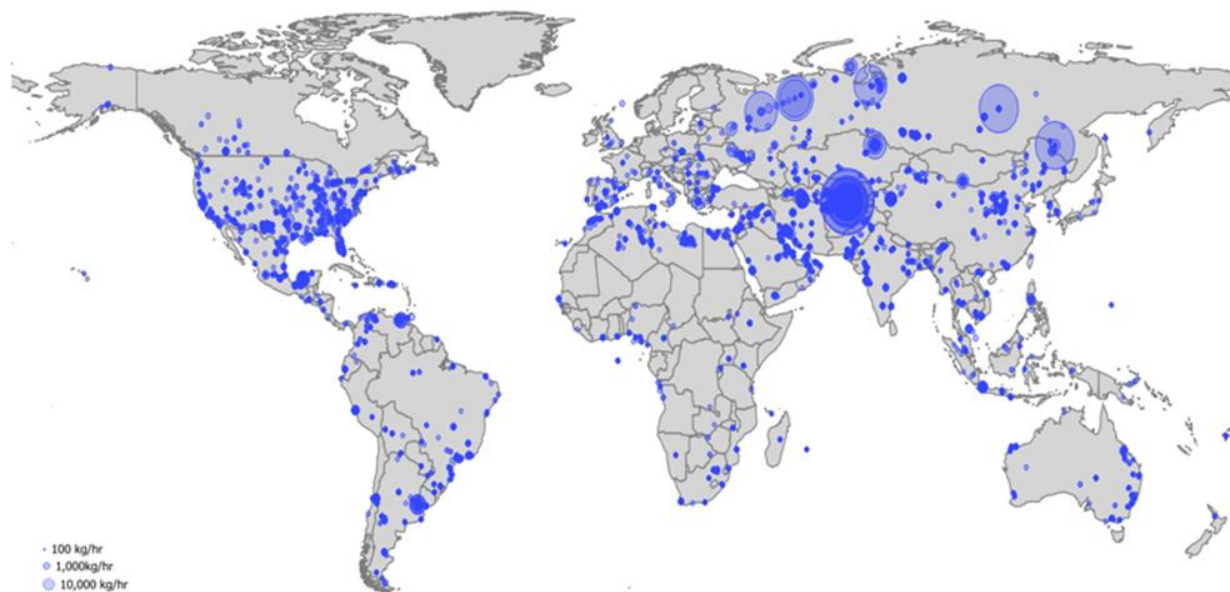
COP30 - November 2025





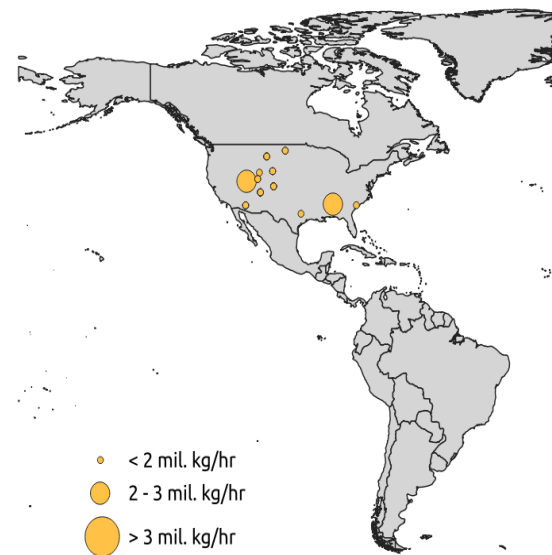
GHGSat: Facility-Level Satellite Monitoring

World Leader in Satellite Monitoring of **Methane**



In 2024, >4 Million **methane** measurements in 110 countries, detecting > 20,000 methane emissions, in full commercial operation at scale

World Leader in Satellite Monitoring of **Carbon Dioxide**

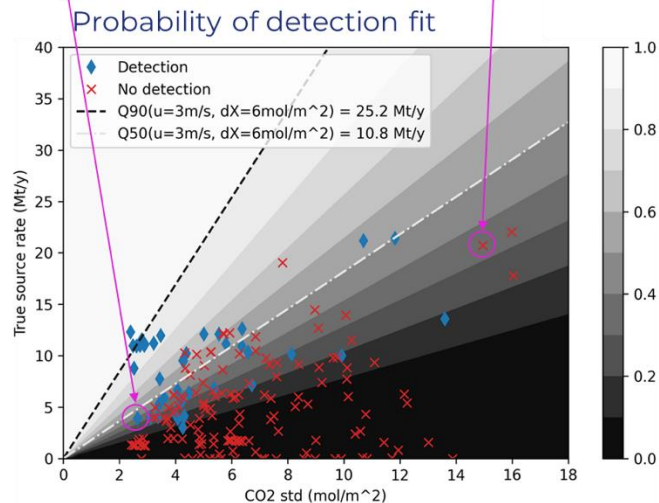
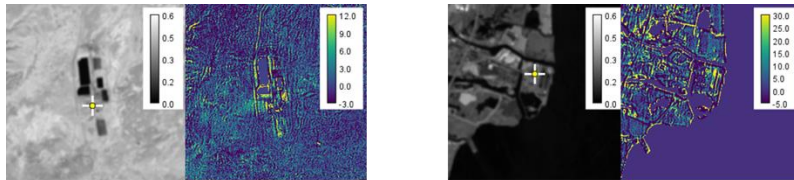


In 2024, thousands of **Carbon Dioxide** measurements primarily in North America, for validation purposes

Ongoing CO₂ Satellite Performance Validation

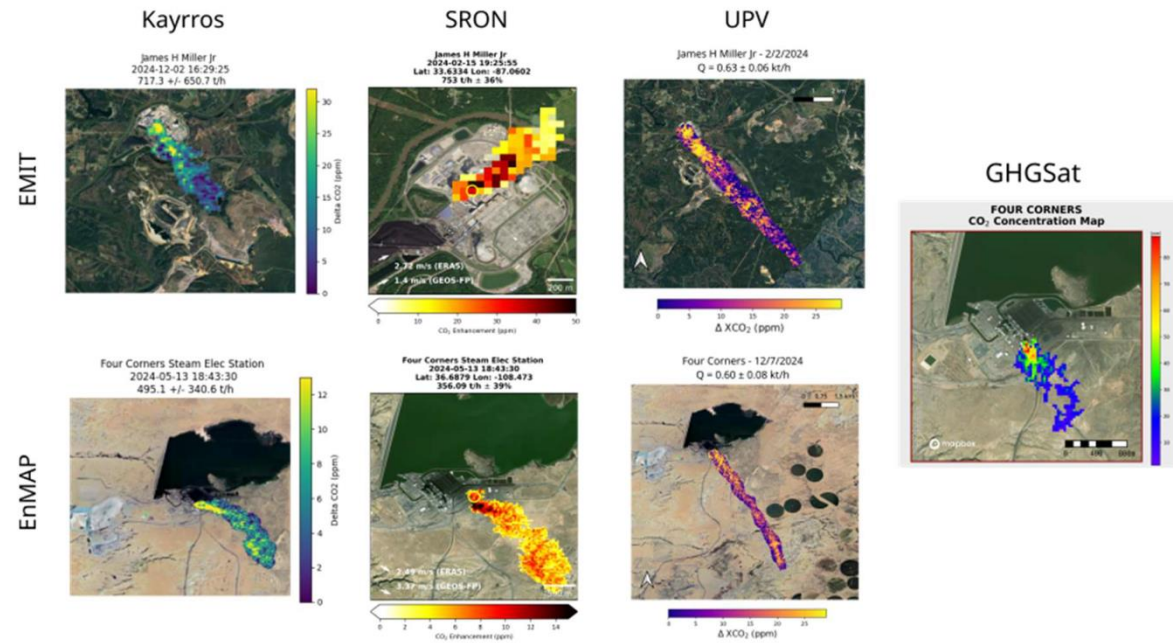
GHGSat Validation: GHGSat CO₂ satellite measurements vs Continuous Emissions Monitoring Data

- 36 Sites / 230 satellite measurements / 35 plumes – with coincident CEMS data



ESA Project: Intercomparison of high-resolution CO₂ satellites

- Intercomparison 3 satellites measuring 10 sites / 100 satellite measurements – independently processed by 3 teams



Next: Collaboration with GOSAT-GW

THANK YOU!

