

TOWARDS A SPACE-POWERED ECONOMY

Company Pitches Kayrros Methane Watch



Senior Data Scientist, Kayrros



→ THE EUROPEAN SPACE AGENCY



Humanity needs to run the methane sprint to win the CO2 marathon

80x more potent than CO2. 30% of global warming is due to methane

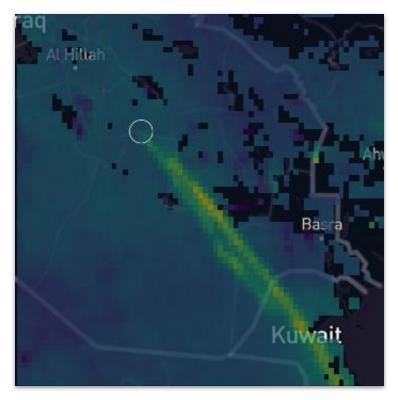
A need of global data over the energy supply chain



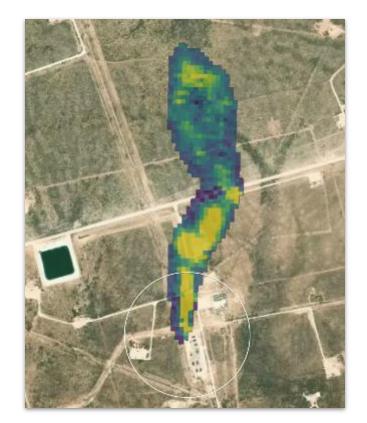
Global map of super-emitters from Kayrros Methane Watch

Kayrros leverages EO and AI for methane monitoring and it is game-changing

Sentinel-5P TROPOMI

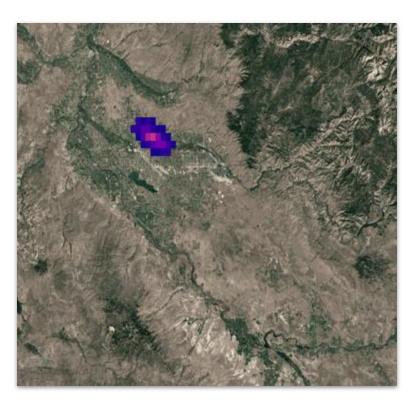


Source: Kayrros SAS, processed L2 images from Sentinel-5P satellite Sentinel-2 Sentinel-3 SLSTR



Geostationary satellites

KAYRROS

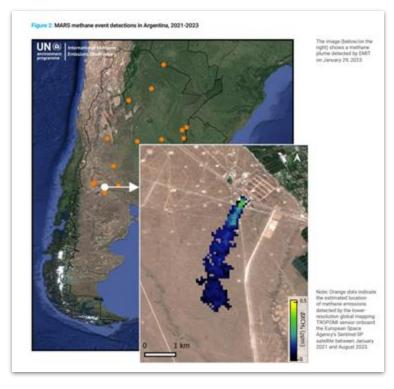


Source: Kayrros SAS, processed L1C images from ESA Sentinel-2 satellite Source: Kayrros SAS, processed L1B images from NASA/NOAA GOES-16 satellite

Kayrros measurements enables stakeholders to take informed decisions and achieve their mission



Alert operators in real time



United Nations Environment Programme (2023). An Eye on Methane



Improve country inventories



Anwar et al. 2024 Using Satellite Technology to Measure Greenhouse Gas Emissions in Arabian Gulf Countries.

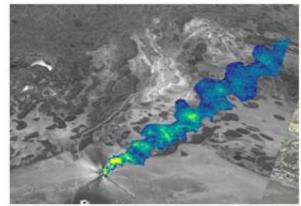
Bloomberg

KAYRROS

Raise public awareness

Scientists Say They've Detected a Huge Methane Leak in Kazakhstan

Satellite imagery suggests large-scale release of the potent greenhouse gas, though the company developing the well claims it is mainly hot vapor.



A methane plaume in eastern Kazakhstan observed by satellite on July 23. Source: Kayrros SAS. Data generated by Kayrros under a license from ASI Original PRISMA Product - © Italian Space Agency (ASI) - (2023)

By <u>Aaron Clark</u> and <u>Nariman Gizitdinov</u> August 3, 2023 at 12:36 PM GMT+2 Updated on August 4, 2023 at 12:30 PM GMT+2

Aaron Clark and Nariman Gizitdinov August 2023, Scientist say they've detected a huge methane leak in Kazakhstan