METHANE ALERT AND RESPONSE SYSTEM (MARS)
CONFIRMED MITIGATION ACTION

ARGENTINA (ARG_S_036)



Through MARS, UNEP's International Methane Emissions Observatory (IMEO) turns satellite data into methane action. MARS is the only public global satellite-based system alerting governments and companies of extreme methane emissions. Using 30+ satellite instruments, combined with expert analysis and AI models, MARS detects major emission events and enables rapid response.

LAST UPDATED
1 September 2025

SOURCE ID
ARG_S_036

COUNTRY
Argentina

COORDINATES
-46.61100°, -68.04898°

SECTOR
Oil & Gas

SOURCE TYPE
Tank

TOTAL NUMBER OF PLUMES DETECTED
1

DATE OF FIRST DETECTION
7 June 2025

DATE OF REPORTED MITIGATION
9 June 2025

ESTIMATED TOTAL VOLUME OF EMISSIONS

300 tonnes

SAME CLIMATE IMPACT AS

~5,800 cars

DRIVEN FOR A YEAR

DETECTION & ACTION

THE CAUSE AND THE SOLUTION

The emissions resulted from operational failure in a separator that led gas to be diverted to a battery tank. The operator repaired the pneumatic liquid discharge instrument in the separator and restored it to normal operation, after which emissions ceased.

The image shows a plume detected by ESA's Sentinel-2C in Argentina on 7 June 2025. No further emissions have been detected at the location since 9 June 2025.



In implementing MARS, UNEP collaborates with various institutional partners, including the World Bank, International Energy Agency, the Climate and Clean Air Coalition, Universitat Politècnica de València, the Netherlands Institute for Space Research, the Committee on Earth Observation Satellites and the Copernicus Atmosphere Monitoring Service.

Based on satellite data used by MARS, it is not possible to confirm the presence of minimal methane emissions at a given location. Rather, this data can confirm the absence of emissions at levels higher than a given satellite's detection limit, which varies based on the technology, ground conditions and the weather.

UN environment programme | International Methane Emissions Observatory

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