

## European Space Agency and CNES endorse expansion of Kayrros methane detection technology with new €2.4 million contract

*New funding from ESA Space Solutions – with support from the Centre National d'Études Spatiales – extends geographical coverage, adds data sources and boosts field operations.*

Paris, 31 March 2021 — Kayrros, the leading advanced data analytics company focused on satellite imagery and alternative data for more-timely decision making, announced today that it has received a contract of €2.4 million from the European Space Agency (ESA), an initiative supported by the Centre National d'Études Spatiales (CNES). Kayrros and ESA began their collaboration in early 2020 on the basis of Kayrros' use of Sentinel-5P data, after working closely with CNES on the project since 2019. This contract will supplement Kayrros' own fundraising to invest in the company's breakthrough Methane Watch technology, bringing the total investment to €5 million.

Methane is the second-largest driver of global warming after carbon dioxide and Kayrros Methane Watch is the first commercially available geospatial technology to detect, measure and attribute methane leaks to their sources worldwide. The technology:

- Combines data from different ESA Sentinel satellite sensors within the Copernicus constellation.
- Allows energy stakeholders and industry asset owners to take action on methane emissions using near-real time measurements and rapid processing on the world-leading Kayrros global asset observation platform.
- Has already revealed dramatic increases in large methane leaks around the world and exposed significantly different regional trends likely due to activity changes, operational practices and infrastructure issues.

The contract provided by ESA is for a targeted collaboration between Kayrros and ESA's Space Solutions' Business Applications program. The collaboration will allow Kayrros to leverage more of the Copernicus satellite constellation, in addition to expanding the existing technical and geographical limits to methane tracking and significantly increasing the number of energy and industrial assets tracked. The new investment will also drive R&D efforts to make more precise measurements with greater granularity and the integration of new types of sensors, such as mobile ground detectors.

Arnaud Runge, ESA Technical Officer for the Methane Watch project, said of the contract, "*This project illustrates perfectly ESA's willingness to boost green commercialization, which ESA has defined as one of its top priorities for 2025.*"

"*We're honored to receive this support from ESA, which again acts as an endorsement of the important role of methane detection technology in the fight against climate change,*" Kayrros CEO Antoine Rostand said. "*Kayrros Methane Watch will continue to provide the data that's essential to ensuring the world can reach the Paris Agreement goals and we would like to thank all the partners who have helped to make this technology possible, notably our research partner CNES, who played an integral role in its development.*"

Eliminating methane emissions is the "low hanging fruit" in achieving the Paris Agreement goals and ESA's support of this technology will play an integral role in helping ensure that these goals are met.

In addition to the expertise and support of ESA, the scientific foundation of Methane Watch technology is backed by the expertise from Kayrros' scientific partnerships with the Centre National d'Études Spatiales, Centre Borelli at the Université Paris-Saclay and the Laboratoire des Sciences du Climat et de l'Environnement.

### **About Kayrros**

Kayrros is the leading global asset observation platform built on fundamental science, strong R&D, and leading technology. Harnessing satellite imagery and multiple sources of unconventional data with machine learning, natural language processing, and advanced mathematics, Kayrros monitors and measures energy and natural resource activity worldwide. With access to data on more than 200,000 industry assets, Kayrros customers track individual or multiple assets in configurable proprietary or collaborative workflows to analyze industrial and environmental performance for maximum insight and optimal operational and financial decisions. For more information, visit [www.kayrros.com](http://www.kayrros.com).

### **About ESA Space Solutions**

ESA Space Solutions is the go-to-place for great business ideas involving space in all areas of society and economy. Our mission is to support entrepreneurs in Europe in the development of business using satellite applications and space technology to improve everyday life. Our program is designed to provide multiple entry points such as ESA Business Incubation Centres (ESA BICs), ESA Technology Broker Network, and ESA Business Applications program. Funding typically ranges from 50KEuro to 2MEuro and supports everything from space technology transfer, early-stage incubation programs, Feasibility Studies to large-scale Demonstration Projects.

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