

OUR SPECIFICITY

Airparif is responsible for monitoring air quality and providing regulatory information for the greater Paris region. From designing a monitoring network, developing emission inventories, implementing modelling and forecasting tools, conducting impact studies, to designing communication strategies and raising public awareness, Airparif is involved in all aspects of air quality management. Airparif works with their international partners on a peer-to-peer basis.

Airparif independently supports local and national authorities responsible for air quality monitoring, with a focus on sharing expertise, technical and scientific cooperation, and enhancing local teams' capabilities for lasting improvement.

OUR PURPOSE

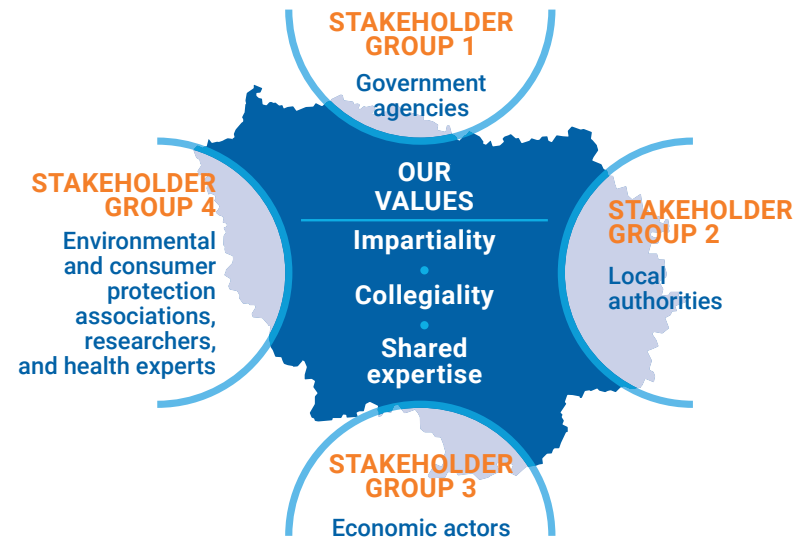
“ **ACTING FOR CLEAN AIR IN A MORE SUSTAINABLE WORLD** ”

In line with Airparif's commitment to corporate social responsibility, the association's overarching goal is to align its mission, expertise, and network of partners with the context of the current global triple crisis: climate change, biodiversity loss, and pollution. This involves Airparif making local contributions to address the challenges of ecological and sustainable transformations by integrating climate, health, and energy-related aspects. Airparif champions initiatives aimed at enhancing air quality while proactively addressing new pollution challenges and technological advancements. Airparif actively engages in exploratory research on emerging pollutants (ultrafine particles, black carbon, pesticides, etc.) and implements innovative projects (evaluation of monitoring and pollution control techniques, support for behavioural changes). These efforts are conducted through its open innovation laboratory, AIRLAB, using the most advanced technologies available while considering local constraints.

WHO ARE WE?

Founded in 1979, Airparif is the independent air quality observatory for the greater Paris region. The non-profit organisation, accredited by the French Ministry of the Environment, is responsible for monitoring, alerting, and reporting on air quality, as well as contributing to improved awareness through an integrated air-climate-energy-health approach. Airparif also supports local authorities, businesses, and civil society, while informing and encouraging changes in individual behaviour. Airparif's expertise makes it a leading reference in the Paris region and internationally.

Airparif's General Assembly comprises a balanced representation of the various stakeholders concerned by air quality in the greater Paris region:



OUR MISSIONS

- MONITOR**
the air breathed by residents of the greater Paris region using a robust and reliable monitoring system
- UNDERSTAND**
air pollution and its impacts, by actively participating in the advancement of knowledge
- SUPPORT**
stakeholders (citizens, decision-makers, etc.) through public information, awareness campaigns, and the evaluation of actions
- INNOVATE**
by facilitating the emergence of new solutions aimed at improving air quality

Airparif is a member of Atmo-France, the federation that unites its counterparts across 18 regions in mainland and overseas France.

Airparif is a non-profit association, governed by the French Law on Associations
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French version



Airparif

English version
UK Flag



“ **Independent expertise on air quality** ”

AT AIRPARIF



30+ million
DATA POINTS PRODUCED PER HOUR



40+
YEARS OF EXPERTISE



140+
MEMBER AFFILIATES



80+
EMPLOYEES



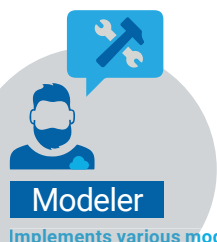
70+
MONITORING STATIONS IN THE GREATER PARIS REGION

60+ POLLUTANTS MONITORED (regulatory and emerging)



OUR EXPERTISE

Thanks to the diversity of Airparif's skills and its operational role in the greater Paris region, Airparif is able to manage the entire process of air quality data production and utilisation. This includes calibrating analysers, maintaining monitoring stations, designing monitoring networks, developing emission inventories, modelling, and forecasting, as well as informing and raising awareness among the general public, media and decision-makers. Airparif's various areas of expertise are complementary and interdependent.



Modeler

Implements various modelling tools as needed (mapping pollution levels, testing air quality improvement scenarios, forecasting, etc.).



Scientific mediator

Informs and raises awareness about air quality issues among various audiences by making the data and knowledge produced by other Airparif experts accessible.



Metrologist

Masters the maintenance and calibration of monitoring devices, oversees the daily operation and maintenance of the monitoring network, and ensures data quality.



Forecaster

Predicts daily air quality, alerts the public and authorities during pollution episodes, and provides decision-makers with the necessary information for emergency measures.



Inventory specialist

Conducts spatial inventories of emissions of atmospheric pollutants, greenhouse gases, and energy consumption by sector.



Project coordinator

Assists decision-makers in developing and implementing air quality improvement actions (a priori and a posteriori impact studies, prospective scenarios).



Data scientist

Collects, organises, and utilises data from the monitoring network.

OUR INTERNATIONAL PROJECTS AND COOPERATION AGREEMENTS

Airparif's expertise is recognised far beyond the borders of the greater Paris region, and its international influence has continued to expand since its establishment: hosting foreign delegations, providing training and capacity-building to foreign counterparts, contributing to international conferences and summits and participating in technical assistance projects.

KOSOVO

European Commission

TAIEX expertise mission

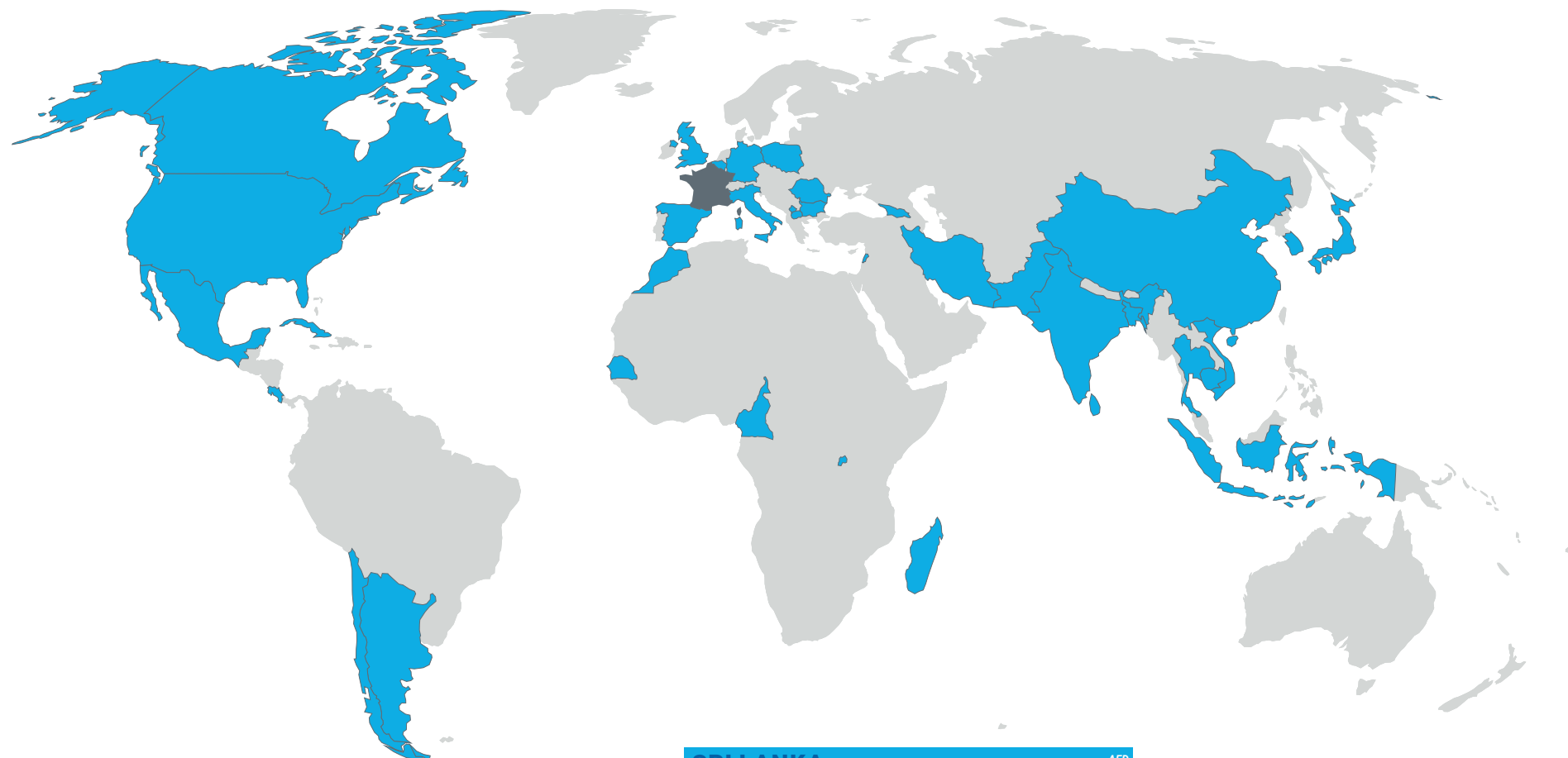
- > Audit of the monitoring network of the Hydrometeorological Institute of Pristina.
- > Recommendations for aligning the monitoring system with the European regulatory framework (Directive 2008/50/EC on ambient air quality and cleaner air for Europe).
- > Training sessions: analyser calibration and maintenance, data processing, modelling, forecasting, national and European reporting.

THAILAND

Clean Air Fund, Bloomberg Philanthropies, AFD, ADEME

Microsensors Challenge

- > Evaluation of microsensors under real conditions of use.
- > Simultaneous monitoring campaigns in Paris and Bangkok.
- > Impact study on the performance of microsensors under different meteorological conditions, including heat and humidity.



SRI LANKA

AFD

Technical assistance to the Ministry of Environment

- > Audit of the monitoring network and support for its expansion.
- > Support for the development of an emissions inventory for the Colombo metropolitan area.
- > Assistance in the elaboration of a communications and awareness strategy on air quality.

SENEGAL

AFD

Technical assistance to the Air Quality Management Center

- > Fact-finding missions on air quality monitoring and management issues.
- > Design of an action plan (monitoring, modelling and emissions inventory, communications and governance).

VIETNAM

Île-de-France Region, AFD

FICOL

- > Impact assessment of traffic restriction measures around Hoan Kiem Lake in Hanoi on air quality.
- > Assistance to local authorities in managing a monitoring campaign.
- > Preparation of a document to raise awareness among the general public and decision-makers about air quality

These projects are carried out in partnership with the Île-de-France region, the network of French embassies abroad, the Agence Française de Développement (AFD) Group, the French Agency for Ecological Transition (ADEME), the European Commission, Bloomberg Philanthropies, and the Clean Air Fund.