

For a quieter environment



A non-profit association

- Created in 2004 by the Île-de-France regional council
- A **balanced governance**, which gathers a **hundred members** representing the various stakeholders concerned by noise: **local authorities, French State, economic actors and associations.**

A major objective

To contribute to improving the sound environment in Île-de-France.

Observation contexts

- Urban areas with multiple noise exposure
- Proximity of land transport infrastructures
- Overflowed areas
- Neighborhood of industrial activities or major construction sites
- Recreational and lively districts
- Quiet areas.

Missions of general interest

- To **observe** the noise in the environment
- To **improve the knowledge** about noise and its impacts
- To **support** public policies
- To **raise awareness** about the sound environment preservation, the risks associated with noise exposure and to promote best practices.

An expertise recognised in France and abroad

- **Numerous collaborations and partnerships**
- **Several awards**
 - . 3 « **Décibels d'Or*** » awards for Bruitparif's technological innovations (2016, 2019 et 2024)
 - . « **Best Life Environment project**** » award for the *Harmonica project* (2015)
 - . Bruitparif named in the **Guinness World Records** (2022) for the world's largest urban noise monitoring network.



A commercial subsidiary

Offering to international markets the innovations developed by Bruitparif

- Expert noise measurement sensors
- Noise radars for educational or law enforcement purposes
- Solutions to help managing environmental noise.

viginoiz

Société par actions simplifiées, Capital : 200 000 €

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* Awarded by the French National Noise Council

** Awarded by the European Commission under the LIFE program

Observing

Characterizing the noise environment and monitoring trends

MEASUREMENT

The « RUMEUR » monitoring network

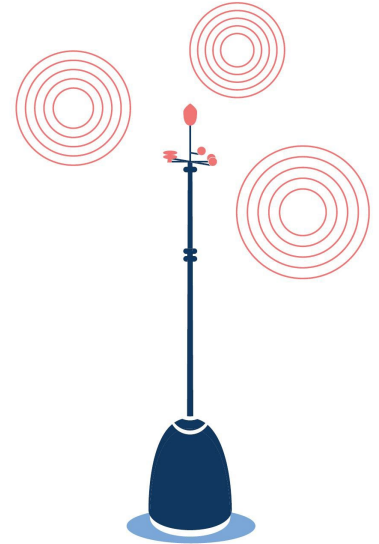
- The world's **largest urban noise monitoring network**
- Around **200 permanent** noise measurement **stations**
- Numerous **short-term measurement campaigns**
- An **internet platform providing data in real time**
- **Statistics and indicators** to monitor trends.

Thematic observatories

Direct and contextualized access to data on a specific issue

- Air traffic (survol.bruitparif.fr)
- Rail traffic (reseau.sncf.bruitparif.fr)
- Recreational and lively districts (monquartier.bruitparif.fr)
- Construction sites (for example: chantiers.sgp.bruitparif.fr)
- Urban planning operations (for example: alleesdeneuilly.bruitparif.fr).

rumeur.bruitparif.fr

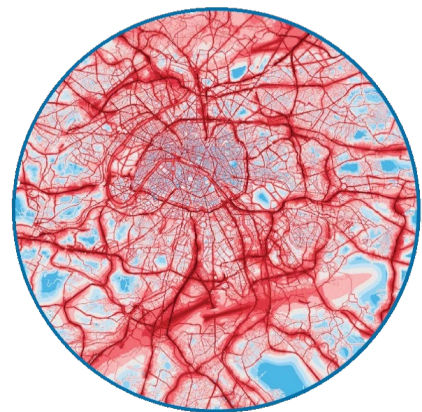


MODELLING

Producing the strategic noise maps

- Compliance with the **European Directive 2002/49/CE**
- For **14 agglomerations** with more than 100,000 inhabitants
- A territory covering more than **3,000 km²** and counting more than **10.5 millions inhabitants**
- An **internet platform providing** all maps and population exposure statistics at local level.

carto.bruitparif.fr



Pilot projects

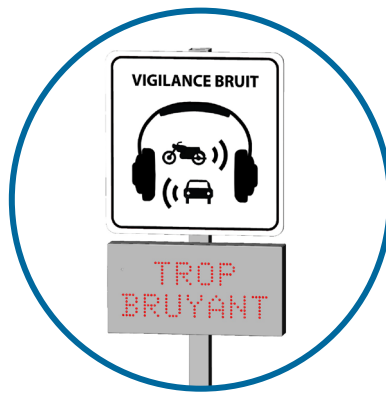
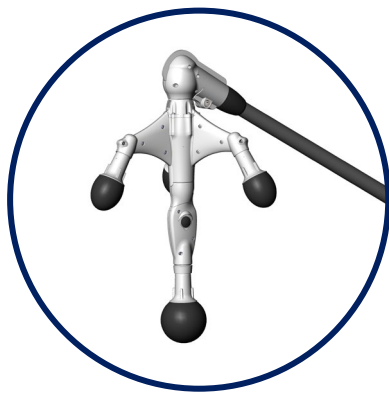
- **First maps of the health impacts of transport noise**
- **Noise mapping of night-time recreational activities in lively areas**
A pilot experiment carried out with the Municipality of Paris (Central districts)
- **Representation of co-exposure to air and noise pollutions**
A collaborative development with Airparif, the air quality observatory for the Ile-de-France region
- **Real-time dynamic mapping of road noise**
A first application on the Paris ring-road, in collaboration with the Municipality of Paris.

SURVEYS



Surveys of residents and users

Carried out periodically, they enable to **take into account perceptions** of situations experienced in order to better target monitoring and actions to be taken.



INNOVATING IN MEASUREMENT TECHNOLOGIES

Bruitparif innovates to improve its measurement methods and develop noise management tools

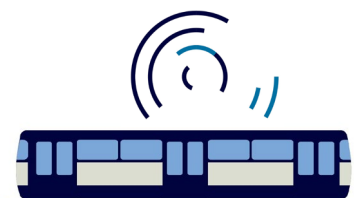
- The « **Medusa** » sensor makes it possible to “ see ” noise and its origin. This patented device determines the sound level, but above all the main direction of noise sources
- The **educational noise radar** is designed to provide simple, operational information to drivers whose vehicles emit excessive noise, similar to what already exists with speed radars
- The « **Hydra** » noise radar is designed to control and fine excessively noisy vehicles. It is currently being tested in France and several other European countries.

Improving knowledge

Enhancing understanding on noise and its health and socio-economic effects

Participation to applied research projects

- Development and experiment of **new indicators**
 - . The **Harmonica index**, a noise index easy to understand by the general public, developed as part of the LIFE Harmonica project
 - . Co-construction, with residents, of an air traffic noise indicator (**noise point counter**), as part of the **COGEN'AIR** study, led by Bruitparif and supported by ANSES*
- Study on the **social cost of noise**
- Contribution to works on **territorial inequalities in environmental health**
- Participation to **scientific studies on noise and health**
 - . **DEBATS** program (health effects of aircraft noise), coordinated by Gustave Eiffel University (UMRESSTE)**
 - . **BROUHAHA** project (exposure to transport noise and risk of cardio-metabolic diseases), coordinated by INSERM**
 - . **SOMNIBRUIT** study (noise impacts on the sleep of people living in the Île-de-France region), coordinated by Bruitparif and supported by the Health Data Hub* & the Green Data for Health*
 - . **GENIFER** study (improve knowledge of instantaneous noise annoyance railway), coordinated by Bruitparif and supported by ANSES*.



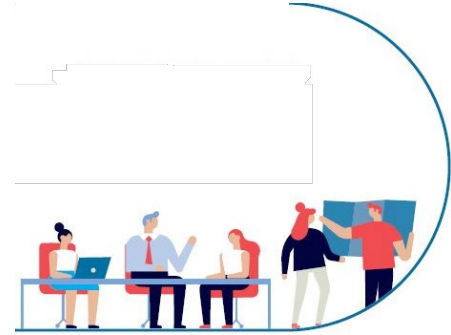
* French health and/or environmental agencies

** French Research institutes

Acting for public policies that integrate noise management

Implementing the European Environmental Noise Directive

- **Prioritization** of territorial noise issues:
acoustic diagnosis, identification of quiet areas...
- Supporting public authorities in drawing up their **action plans**
(PPBE for « *Plans de Prévention du bruit dans l'environnement* »)
- **Monitoring and promoting** actions taken to combat noise
- **An internet platform** to provide access to all published action plans
in the Île-de-France region.



Contributing to consider noise in public policies

- Participation to the **French National Noise Council*** and working groups on regulatory evolutions
- Promotion of noise management in **urban planning and public health policies**
- **Information and training** for elected members and public services on noise management actions
- Evaluation and promotion of **noise abatement solutions**
LIFE *Harmonica*, *Quadmap* et *Cool & Low Noise Asphalt* projects...



Raising awareness

Providing information on environmental noise issues and encouraging best practices

A website for everyone

« **Le Francilophone** », a reference magazine

Public interventions

