

# 2013 ANNUAL REPORT

A year of action



Observatoire du bruit





## Six types of members represented in Bruitparif and 99 members

- Representatives from government services  
and public establishments  
6 Members
- Regional bodies of Île-de-France  
6 Members
- Representatives from other territorial  
authorities and local public establishments  
55 Members
- Representatives of other economic sectors  
8 Members
- Representatives of professional bodies  
10 Members
- Representatives from approved environmental  
and consumer protection associations  
and qualified persons  
14 Members



*Observation and evaluation of environmental noise in Île-de-France, support for stakeholders, providing information and raising awareness...*

*Thanks to the support of all its members and a reinforced partnership with the Île-de-France regional council, Bruitparif was able to continue its public interest mission in 2013 in accordance with the principles of independence, reliability and transparency that are dear to us and which ensure our credibility.*

**2013** was a year of strategic planning for Bruitparif, with many initiatives also carried out.

*There are still several questions that remain outstanding regarding our future. Which governing authority, in what framework, and with what funding? It is not insignificant that there are difficulties resolving questions pertaining to the framework for the performance of our missions at national level. Noise is a complex issue and Bruitparif is a unique observatory, which we would like to expand.*

*On a daily basis, in order to meet the ever-stronger demand from inhabitants of Île-de-France for reliable information about environmental noise, last year Bruitparif increased noise observation through the regional noise mapping project, the installation of new measurement terminals, the development of monitoring practices, the preparation of studies, and finally, the publication of analyses.*

*Over 110 local authorities from around the Paris region have benefited from the support system we have set up to help them prepare their environmental noise action plans as required by European directive 2002/EC/49.*

*2013 was also a year with a European feel. Our involvement in European projects and our presence at numerous conferences and scientific seminars have earned us international recognition for our know-how.*

*A centre of expertise and technical innovation, I am proud to see that Bruitparif federates more and more regional stakeholders that are keen to take the noise issue into consideration in their public policies. Thanks to reinforced governance and more dynamic associational activity, it has been possible to adopt a three-year strategic plan. This plan sets the outlook and challenges for the development of our organisation and defines its priorities.*

*So it is with great satisfaction that I invite you to discover more about our work over the last year, carried out by a committed team, which is striving every day to make Bruitparif vital for the Île-de-France region!*



**Julie Nouvion**  
Chairperson of Bruitparif



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## REGIONAL GOVERNMENT: A KEY PARTNER

Nearly ten years after its creation, Bruitparif's role in supporting public policy and the inhabitants of Île-de-France has been strengthened by its reinforced ties with the region.

### Regional charter of organisations

Bruitparif's adoption of this charter concerning organisations involved in public policy is a result of its implementation of **three decisive criteria**: contribution to regional policy against noise nuisances, the region's firm commitment to the governance of Bruitparif, and the predominance of local government in its funding.

### Renewal of the triennial agreement

Prepared during the second half of the year and approved in January of 2014, **this new Agreement covers objectives and resources** for the 2014-2016 period, and its content and orientation define the relationship between the Île-de-France region and Bruitparif. Founded on the key elements of Bruitparif's strategic plan, it consolidates the association's public interest mission.

### 2013-2016 strategic plan

Unanimously approved by its members at the AGM on 14 May, this plan sets the development outlook for the association as well as the support it will be able to rely on for the next three years.

The plan is based on **10 priority actions** concerning its three missions: noise observation and evaluation, support for public policies, information and raising awareness.

### Cité régionale de l'Environnement

Designed by the Île-de-France regional council as a centre for all regional organisations devoted to environmental protection - in particular energy, waste management, and biodiversity - Bruitparif will be **the designated expert** for all issues related to noise nuisances upon the opening of the «Cité» at the end of 2014. The premises are currently being built in the town of Pantin.

11 new members  
joined the association  
in 2013

#### Representatives of other regional authorities:

- Agglomeration community of Plaine Centrale du Val-de-Marne (94)  
3 communes
- Agglomeration community of Val d'Orge (91)  
10 communes
- Agglomeration community of Plateau de Saclay (91)  
11 communes
- Agglomeration community of Lacs de l'Essonne (91)  
2 communes
- Six towns:
  - Carrières-sous-Poissy (78)
  - Limours-en-Hurepoix (91)
  - Neuilly-sur-Seine (92)
  - Valenton (94)
  - Villeneuve-Saint-Georges (91)
  - Villers-Adam (95)

#### Representatives of associations and qualified persons:

- Association OYE 349 (94)



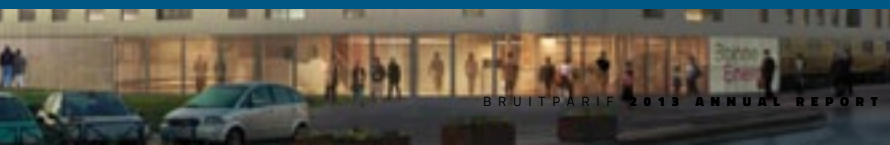
Statutory  
meetings  
by the  
numbers

**4**  
MEETINGS  
OF THE BUREAU

**3**  
BOARD  
MEETINGS

**1**  
AGM

**1**  
SEMINAR FOR  
THE ASSOCIATION'S  
MEMBERS



## PREPARING ENVIRONMENTAL NOISE ACTION PLANS

Initiated by European directive 2002/EC/49 pertaining to the management and evaluation of environmental noise, the environmental noise action plans are the responsibility either of EPCIs (Établissements Publics de Coopération Intercommunale - public establishments for intercommunal cooperation), or communes, or the bodies that manage transportation infrastructures.

HELP FOR  
**113**  
COMPETENT  
AUTHORITIES

**10**  
TRAINING  
SESSIONS

**53%**  
OF ENVIRONMENTAL  
NOISE ACTION  
PLANS COMPLETED  
OR IN PROGRESS  
CONCERNING 71% OF  
THE PARIS REGION  
AND 82% OF  
ITS POPULATION.

The Paris urban area comes under the scope of this directive. In light of the delays in preparing these plans, the French authorities received a formal notice from Europe in mid-2013.

In order to help with the preparation of these plans, Bruitparif reinforced its support system with the development of a **series of practical tools**, including:

- a **methodological guide** for producing regional acoustic evaluations, taking into account exposure to multiple noise sources and the identification of quiet areas;
- **help writing specifications**;
- a **template for writing** a plan, with various methodological tools;
- an **on-line expert tool** giving access to in-depth analyses of regional noise maps;
- **summaries and technical sheets** for noise abatement solutions;
- the **organisation of training sessions for local authorities** on how to prepare their plan.

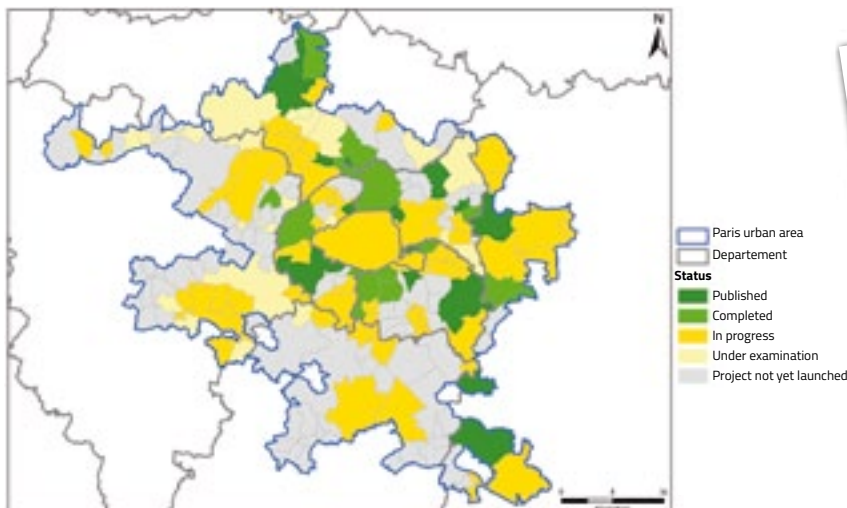
Bruitparif was also involved in several working groups and departmental follow-up committees (more than 30 meetings). By the end of 2013, 23 environmental noise action plans had been approved and published, 6 had been submitted for approval, and 78 were still being written.

### Cross-cutting initiatives

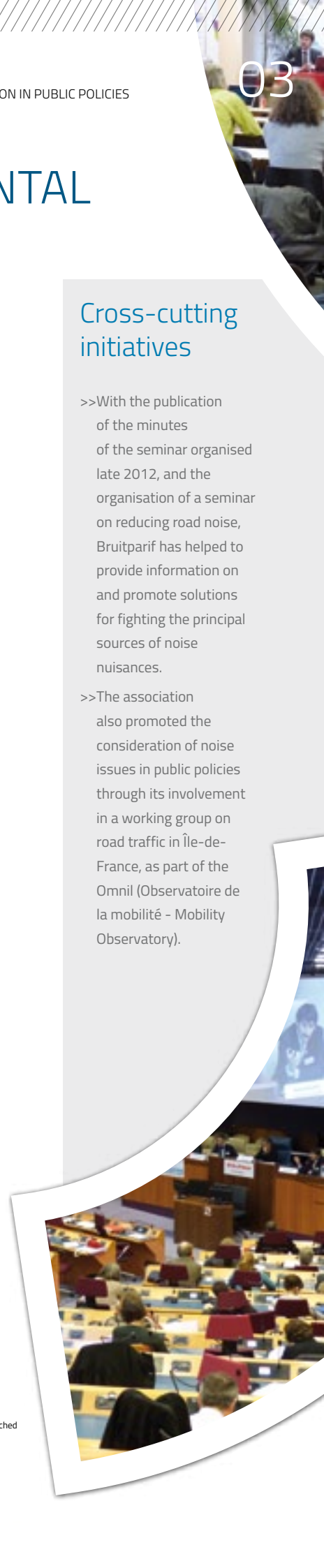
>>With the publication of the minutes of the seminar organised late 2012, and the organisation of a seminar on reducing road noise, Bruitparif has helped to provide information on and promote solutions for fighting the principal sources of noise nuisances.

>>The association also promoted the consideration of noise issues in public policies through its involvement in a working group on road traffic in Île-de-France, as part of the Omnif (Observatoire de la mobilité - Mobility Observatory).

Status of environmental noise action plans - December 2013



Sources: Local authorities - IAU IdF - Bruitparif



As part of its noise observation mission, Bruitparif is pursuing its work on producing a review of environmental noise in Île-de-France, in order to orient and facilitate the implementation of initiatives to fight noise nuisances.

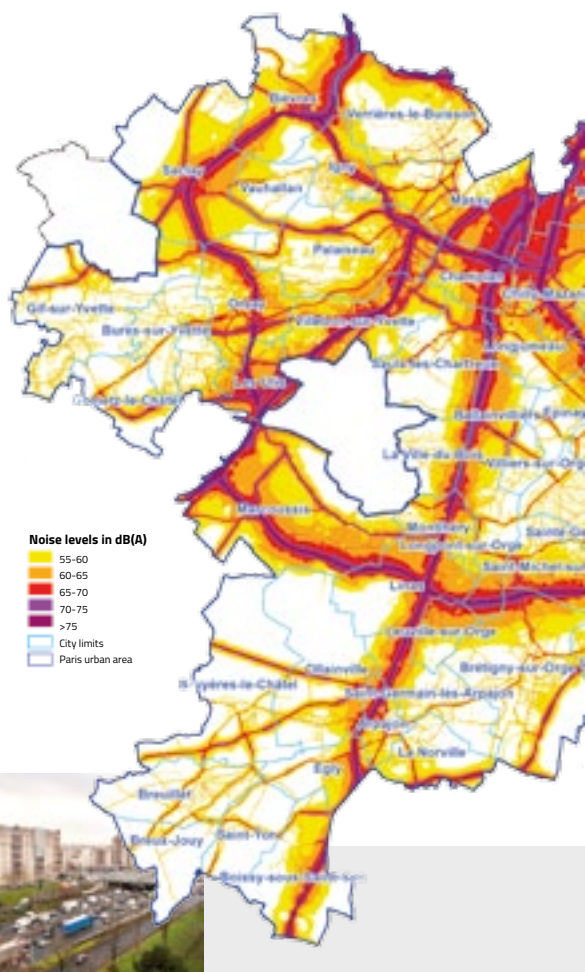
## REGIONAL NOISE MAPPING

**24 %**  
OF ÎLE-DE-FRANCE IS  
ALREADY MAPPED

**31 %**  
OF THE POPULATION  
IS COVERED

In order to be more effective, public policies against noise pollution must be based on **master data**. Hence the necessity to provide authorities with a shared tool that can act as a guiding line for their decisions. That is the objective of the regional noise mapping project that Bruitparif is preparing in partnership with government services, CEREMA, and various transportation infrastructure managers. This project comes under the scope of the European directive, whose application it aims to facilitate.

For road noise, the noise mapping of Essonne (see map opposite) was completed in 2013. The mapping of Val-de-Marne is in progress. The observatory's work will continue in the years to come, with the aim of mapping the entire Île-de-France region by 2017.



### Noise measurement surveys

Bruitparif carried out several one-off noise measurement surveys, in different contexts, in 2013:

- 6 sites surveyed around the Vélizy-Villacoublay airfield,
- around 30 surveys carried at the homes of residents living around Paris-Charles de Gaulle airport, as part of the DEBATS study (see p.6),
- 5 sectors exposed to multiple noise sources.



# THE NOISE MEASUREMENT NETWORK

The network has been extended thanks to the installation of **4 new permanent terminals** in 2013. The network now features 38 terminals spread over the region, which transmit their data on a second-by-second basis.

## New measurement devices for 2013:

- Terminals for measuring aircraft noise in the towns of **Vélizy-Villacoublay** (78) and **Pierrefitte-sur-Seine** (93) (replacing a site that had to be closed).

- Measurement device along **the Paris ring road** (Porte Maillot).
- Terminals devoted to an environmental noise evaluation in **Champigny-sur-Marne** along roads where a special bus lane is being installed for the Trans-Val-de-Marne line.

New potential sites have been found and evaluated, for the installation of new terminals in 2014 and 2015.

34  
+4  
38

MEASUREMENT  
TERMINALS

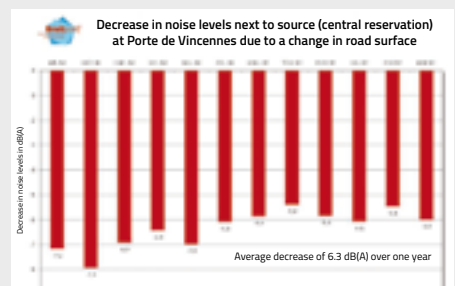


## Data exploitation

The treatment and analysis of data collected allowed the observatory to produce reports for the authorities and associations concerned.

The following reports were published in 2013:

- Review of measurements carried out near the Saint-Cyr-L'école airfield.
- Impact of raising approach altitudes for Paris-Charles de Gaulle airport.
- Analysis of environmental noise around Lognes-Émerainville airfield.
- Review of the acoustic effectiveness of new road surfaces on the Paris ring road.
- Changes to noise from the former RN1 in Pierrefitte-sur-Seine.



## PROJECTS R&D

Involved in numerous research programmes, in 2013 Bruitparif extended its work on improving knowledge of the impact of noise on health and the environment.

### SURVOL

Targeting airport hubs in the Paris region, this programme, set up by the regional Prefect and supported by the Regional Health Agency of Île-de-France, aims to cross-reference three types of data: exposure to atmospheric pollution, noise nuisances, and the socio-economic characteristics of the local population. As part of this programme, Bruitparif developed a cutting edge **Geographical Information System** for simultaneously analysing environmental data and indicators of social deprivation. This analysis highlighted areas that suffer on several levels. A final report, completing the initial review published in 2013, will be published follow the ongoing consultations.



### DEBATS

The aim of the DEBATS programme, launched by the Ministry of Health and ACNUSA, and coordinated by IFSTTAR, is to measure the effects of exposure to aircraft noise on the health of populations. Bruitparif is contributing to this scientific study, in particular on **the impact of noise nuisances on sleep**, which implies noise measurements in the homes of residents living around Paris-Charles de Gaulle airport. In the final quarter of 2013, around 30 people were monitored using noise measurement devices, an actimeter, and a heart rate monitor. The survey is due to continue in 2014.



### Cart-ASUR

Scheduled from 2013 to 2016, this programme, coordinated by Cergy-Pontoise University's LM RTE lab with the help of Bruitparif, should result **in noise maps based on the perception of inhabitants** and intended for both professionals and the general public. Based on a choice of indicators and a mapping prototype, work on interfacing will be carried out to evaluate, adapt and approve this mapping principle.

### CIRO

Now a part of Bruitparif, CIRO (Cellule d'Information Régionale sur les Ondes électromagnétiques - Regional Information Cell on electromagnetic waves) carries out a **specific mission for the association**. Faced with the increasing number of tools and applications using these technologies in an area as densely populated as Île-de-France, it was necessary to reinforce the system for monitoring exposure. Suggested by Bruitparif as early as 2011, this simple organisation created in 2013 will provide a wide range of information as of 2014, acting as a go-between for local authorities, monitoring bodies, and the public. The increasing workload of CIRO will be a function of how public partners and stakeholders in the policy adhere to it.





# EUROPEAN PROJECTS

In answering the European Union's call for projects co-financed by the LIFE + Environment programme, Bruitparif has reaffirmed its desire to provide innovative solutions and to network with European partners.

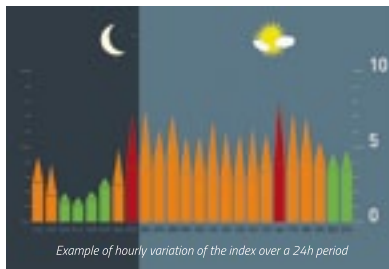
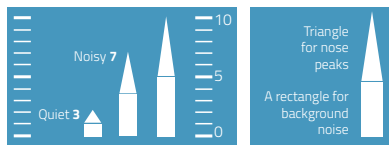


## LIFE HARMONICA

Preparing new tools to better inform the public about environmental noise and to help the authorities make the right decisions to fight noise; those were the objectives of Bruitparif and its partner Acoucité as part of the Life Harmonica project.



- **The Harmonica Index** is innovative in several ways. First of all, it takes into account the two major components that make up environmental noise: background noise and the noise events that emerge from this background noise. The public was also involved in its creation, in order to understand the comprehensibility of the parameters and to take into account individual perception. And finally, it has an easy-to-understand graphical representation, on a scale of 0 to 10, showing the contribution of background noise and noise peaks. Calculated on an hourly basis, it shows variations in noise over the course of a day and/or night. Designed in 2012 and 2013, the Harmonica index will be tested in the field in 2014, before being rolled out to other European towns.

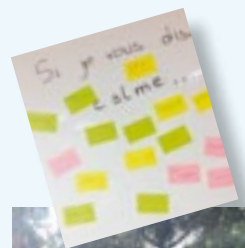


- The **portal [www.noiseineu.eu](http://www.noiseineu.eu)** developed by Bruitparif allows us to publish the results of the index from noise measurement devices installed around Île-de-France and in the Greater Lyons area. It also features a description of the initiatives implemented by European towns to reduce noise nuisances and evaluated using the index. It is an important advance in order to facilitate the dissemination of concrete solutions and evaluate their relevance with a view to transferability.



## LIFE QUADMAP QUADMAP

>> This project, carried out in partnership with public organisations and local authorities in the Netherlands, Spain, and Italy, focuses on quiet zones in urban areas. The objective is to reduce the locals' exposure to transportation noise thanks to the optimised management of these areas. As much a challenge as an opportunity for local authorities, these areas must be exploited and developed in order to provide pleasant areas of refuge from noise nuisances. In 2013, Bruitparif worked on the methodology for evaluating and transferring the solutions tested on the pilot sites of Rotterdam, Florence, and Bilbao.



Florence:  
Creation of quiet areas in schools

# Finances & Human Resources

REVENUE UP  
**+7,9 %**

OPERATING COSTS DOWN  
**-3,8 %**

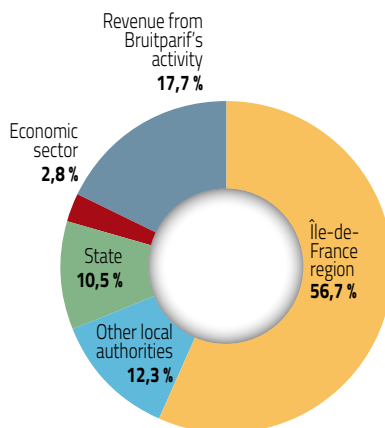
Bruitparif's revenue is up 7.9 % for the 2013 accounting year, at €2.1 M compared to €1.9 M in 2012. The bottom line is stable.

## OPERATIONS

### Income

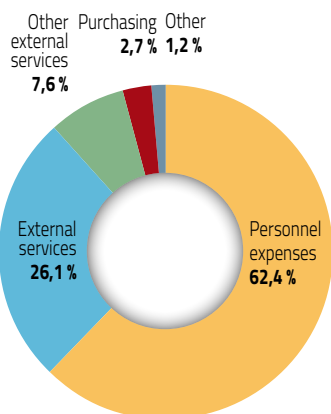
Operating income (excluding adjustments for amortization) amounted to €1,674,610, which is down 7.9 % (-€144,379) compared to 2012.

It is also lower than the provisional budget (-5.3 %).



### Expenses

Operating expenses (excluding amortization offset by the share of subsidies transferred to the income statement) amount to €1,673,844 and fell by 3.8 % compared to 2012.



## The team in 2013

- >> Bruitparif had 14 employees as at 31 December 2013.
- >> The team is broken down into 12 people on indefinite-term contracts and 2 people on fixed-term contracts. 13 work full time and 1 works part time (50 %). The team is made up of 8 men and 6 women. The average age is 39.6 years.





## Third party interventions and events

- **Involvement with national authorities**
  - Conseil National du Bruit (national noise council)
  - Club parlementaire Son et Société (noise and society parliamentary club)
- **Participation in international events**
  - AIA DAGA conference: 18-21 March - Merano, Italy
  - Internoise: 15-18 September - Innsbruck, Austria
  - EchoPolis - Journée du Son (noise day): 29 September - 3 October - Athens, Greece
  - «Soundscape» Conference and Eurocities' WGN meeting: 26-29 November - Bilbao, Spain
  - Involvement in 3 European project meetings: Quadmap, Hush, Nadia
- **Involvement in third party events in Île-de-France**
  - Journée du sommeil (sleep day): 22 March - Paris, Clamart (92)
  - Seminar on environmental problems caused by air traffic: 12 October - Meeting of the Regional Council of Île-de-France
  - Various contributions to environmental consultation committees on the subject of airfields and public meetings
- **Actions to prevent risks and raise awareness about the prevention of hearing loss**
  - Involvement in French national hearing day: 13-14 March
  - Raising awareness of the risk of hearing loss at the Marche des Fiertés: 29 June
  - Raising awareness and evaluation of the noise impact of the Solidays festival: 28-30 June



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