

Maisons-Alfort, 16 November 2012

Press release

National Research Programme on Environmental and Occupational Health: 31 projects selected, 5.8 million euros made available for the 2012 call for proposals

Every year in the context of the National Research Programme on Environmental and Occupational Health, ANSES launches a call for research projects. This year, 31 projects were selected. They will be supported by a total of 5.8 million euros raised through funding by the Ministries of Ecology and Labour, the ITMO Cancer institute of the Alliance for life sciences and health (AVIESAN), the Agency for the environment and energy control (ADEME), and the French national agency for water and aquatic environments (ONEMA) within the framework of the Ecophyto plan coordinated by the Ministry of Agriculture.

In addition to its other missions, ANSES is in charge of coordinating and supporting research. This includes running the National Research Programme for Environmental and Occupational Health (PNR EST), an essential resource for acquiring the knowledge necessary to assist the authorities and for conducting health risk assessment at the Agency. A call for research projects (APR) is launched every year within this context.

The cooperation initiative organised along with ANSES's partners in the framework of the PNR-EST research programme has made it possible to provide a group portal for the environmental health and occupational health research communities, and to promote synergies and complementarities between the various research topics and projects. In this context, of the 208 proposals received by ANSES, 31 projects have been selected based on evaluations provided by a scientific committee: 19 projects will be financed by funds entrusted to ANSES by the Ministry of the Environment (€1.2M), the Ministry of Labour (€850k) and through the tax on radiofrequency transmitters (€1.7M). Seven projects will be supported by AVIESAN's ITMO Cancer institute (€1.2M), three by ADEME (600 k€), and two projects have been selected with the prospect of funding by ONEMA, thanks to credits obtained through the tax on non-point source pollution in support of the Ecophyto plan (250 k€). Several partners will also contribute to financing a project within the European ERA-NET / ERA-ENVHEALTH schemes.

With this call, ANSES and its partners pursue their ongoing support of research communities in environmental and occupational health begun several years ago, and present the objectives, in the form of research topics, of the national environmental health and occupational health plans (Plan National Santé Environnement, Plan Santé Travail, Plan Cancer, Plan Ecophyto, etc.).

Thus, among the projects funded, seven involve the study of emerging risks such as nanoparticles and radiofrequency waves; seven projects are dedicated to chemical agents, with a concentration on endocrine disruptors; eleven are related to the occupational health theme and examine issues such as the health impact of work organisation, exposure to agents such as noise, chemical agents and radiofrequency waves; and lastly, sociological and economic issues have given special emphasis, with nine projects in the human and social sciences.

ANSES, committed to showcasing these studies, organises two sessions a year during its *Scientific Conferences* cycle dedicated to National Environmental and Occupational Health Programme feedback, at which time the research teams can present their work to the public. The next *Scientific Conferences* session will be held in April 2013.

To find out more about our work, and the work of our partners:

www.anses.fr

www.substitution-cmr.fr

www.observatoire-pesticides.gouv.fr

www.sante-environnement-travail.fr

Annexes:

- list of selected projects
- list of members of the research programme's scientific committee

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National Research Programme for Environmental and Occupational Health

List of projects selected for funding in the framework of the 2012 call for proposals

Acronym	Title	Scientific Coordinator	Funding Entity
ACTe	Analysis and Characterisation of Exposure of very young children to LTE wireless communication systems	Mr. Joe Wiart	ANSES
AlloFatTox	Innovative analysis of the kinetics and dynamics of Persistent Organic Pollutants by adipose tissue graft	Mr. Robert Barouki	ITMO Cancer
BPASubstitutifs	Analysis of the safety of bisphenol A replacement substances for foetal human testes	Mr. René Habert	ITMO Cancer
CHEMIX	Joint effects of anti-androgen chemical mixtures in humans	Mr. Bernard Jégou	ITMO Cancer
CHOPPI	Chronic obstructive pulmonary disease and its socio-professional impact (CHOPPI)	Mr. Pascal Andujar	ANSES
EPICAP	Role of environmental, professional and genetic factors in prostate cancer	Mme Florence Menegaux	ITMO Cancer
ERPAI	Respiratory epithelium and indoor air pollutants: Impact of long-term repeated exposure to mixtures of indoor air pollutants on reconstituted human respiratory tract epithelium	Mme Sophie Achard	ANSES
EvalChlore	Study of the emission of chlorination by-products in indoor swimming pool atmospheres – methodology for measuring and analysis of the influence of operating parameters in a reference swimming pool	Mr. Philippe Humeau	ANSES
EXPO@LYON	Exposure to electromagnetic fields by library and media-library professionals	Mme Amélie Massardier-Pilonchery	ANSES
Impactance	Changes in antimicrobial resistance in soil: Impact of field amendment by antibiotics on resistance mechanism diversity, gene copy number, dissemination potential and soil microbial community structure	Mr. Pascal Simonet	ANSES
INFLAREF	Effect of GSM electromagnetic field exposure on cerebral vulnerability models: development and inflammation	Mlle Sophie Villégier Anne-	ANSES
MARFEM	Molecular and cellular analysis of the effects of radiofrequency waves on the cell membrane	Mr. Lluís M Mir	ANSES
MEPAS	Prediction method of the sound ambience in open plan offices	Mme Isabelle Schmich	ANSES
mobirisques	Nanorisk mobility	Mr. Patrick Chaskiel	ITMO Cancer
Myri-aide	Using Myriophyllum as a bioindicator of water quality in agricultural areas	Mme Elisabeth Gross	ONEMA Plan Ecophyto
NANO-DATA	Data collection on abrasion of nanomaterials	Mr. Christophe Bressot	ANSES
NONYLER36	Validation of ERalpha36 as a predictive marker of <i>in vivo</i> and <i>in vitro</i> nonylphenol sensitivity	Mlle Helene Dumond	ITMO Cancer
Nophtamen	Effects of single and multiple exposure to nonylphenols and phthalates in adulthood on male neuroendocrine and behavioral responses	Mme Sakina Mhaouty-Kodja	ANSES

OMCell	Millimeter waves and nerve cells	Mr. Yves Le Dréan	ANSES
PARTAG-REPRE-TR	Contribution of ergonomics to shared representations by doctors and prevention specialists in the post-chronic disease return to work process	Mme Audrey Petit	ANSES
PERSIST-ENV	Hospital effluents and their implication in the environmental persistence of pharmaceutical products and pathogenic microorganisms	Mr. Jérôme Labanowski	ANSES
PLURIPREV	Conditions for collective work by stakeholders in professional risk prevention: the challenges of pluridisciplinary and sustainable prevention	Mme Sandrine Caroly	ITMO Cancer
POTOX	Identification of an indicator of the oxidative potential of particulate matter	Mme Armelle Baeza	ADEME
PrémaBQuA	Preterm delivery and environmental multi-exposure: noise and air pollution in urban areas	Mr. Frédéric Mauny	ADEME
QSAR-LAV	Identification of new active substances in vector control by QSAR modelling	Mr. James Devillers	ANSES
REPRO	Reproductive health and work: reprotoxic risk prevention in women	Mlle Emilie Legrand	ANSES
RFExpo-ELFE	Radiofrequency exposure of children in the French ELFE cohort	Mme Ghislaine Bouvier	ANSES
SCORISK-PRO	Computation of a score for assessing physical and organizational occupational risks	Mr. Jean-François Hamel	ANSES
SESAP	Role of socio-economic status in air pollution exposure in three European cohorts: EGEA, SAPALDIA and ECRHS	Mme Benedicte Jacquemin	ANSES
SocioAgriPest	Pesticides and health of agricultural workers: between visibility and invisibility	Mme Nathalie Jas	ONEMA Plan Ecophyto
UFP PARIS INMA	Impact of exposure to ultrafine particles on lung function and respiratory symptoms in school-age children: a study in the PARIS and INMA cohorts	Mme Isabelle Momas	ADEME

The final funding decision for these projects depends on the success of the agreement-signing procedures specific to each financing body.

Additional list (alphabetical order)

ARPEIGE	Professional respiratory allergies and gene-environment interactions	Mr. Christophe Paris	ANSES
DYNVIB	Pathogenic Vibrio dynamics for humans in water and shellfish (Charente straits and Mediterranean lagoons) and a modelling approach as a risk management aid	Mme Dominique Hervio-Heath	ANSES
NeuroTox	Genome analysis of flame retardant neurotoxicity	Mr. Frédéric Flamant	ANSES

Some of these projects are likely to receive funding, notably if the internal funding procedures of the corresponding funding entities are unsuccessful or if unused funds for the projects on the main list become available. This list is not presented in order of preference.

National Research Programme on Environmental and Occupational Health (PNR-EST)

2012

Research programme scientific committee

Evaluation of projects submitted to the PNR-EST

Co-chairpersons

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