

French national institute for industrial environment and risks (Ineris)

The public expert
for controlling industrial
and environmental risks

INERIS

*controlling risks
for sustainable development*



INERIS, IN A NUTSHELL...

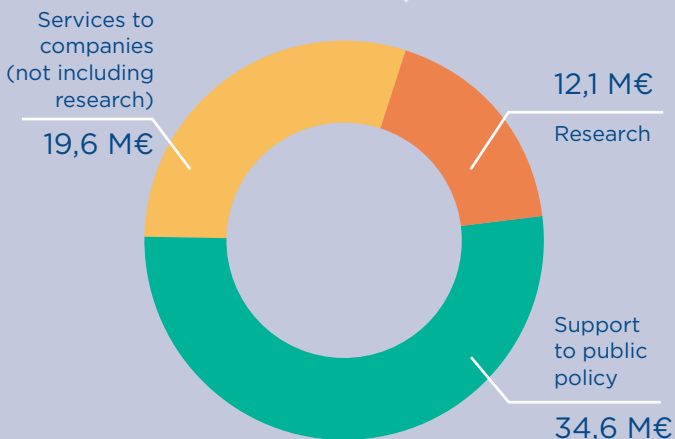
EVALUATE, PREVENT, CONTROL

Our research activities supporting public policy and our services supporting businesses contribute to the evaluation and prevention of the risks that economic activities present to the environment, health and safety of people and goods.

We continue to develop our scientific and technical competences in the areas of accidental risks, chronic risks, and ground and underground risks.

The Institute accompanies innovation by taking into account upstream the risks linked to new products, new technologies or processes.

Operating revenue in 2016



Expertise available
in emergency situations

Our 24-hour a day operational services such as the Emergency situations support unit (CASU), Prév'air (forecasting pollution at a national scale) and Cenaris (National Monitoring Centre for Ground and Underground risks) illustrate the very operational nature of the Institute's expertise.

AN EXPERT ON RISKS, WHICH COMES FROM KNOW-HOW IN THE FIELDS OF MINES, ENERGY AND CHEMISTRY

Ineris, a public establishment of an industrial and commercial nature under the tutelage of the Ministry of the Environment, was created in 1990. The result of a restructuration of the Centre of Studies and Research of Collieries of France (Cerchar) and the Institute of Applied Chemical Research (Ircha), the Institute capitalises upon nearly 70 years of expertise and know-how.

Some figures

Approximately **600** employees

A primary site of **40 hectares** located in Verneuil-en-Halatte in the Oise (France)

30,000 m² of laboratories and testing centres

4 regional locations:

Nancy, Aix-en-Provence, Bourges and Lyon

2 subsidiaries: Ineris Training and Ineris Development

Often unique testing methods

- ▶ Emission test bed
- ▶ Explosion/ dispersion platform
- ▶ Geotechnical underground platform
- ▶ Mesocosms
- ▶ Fire platform
- ▶ S-Nano platform
- ▶ Battery safety platform
- ▶ Ardevie, trial platform for "waste behaviour"

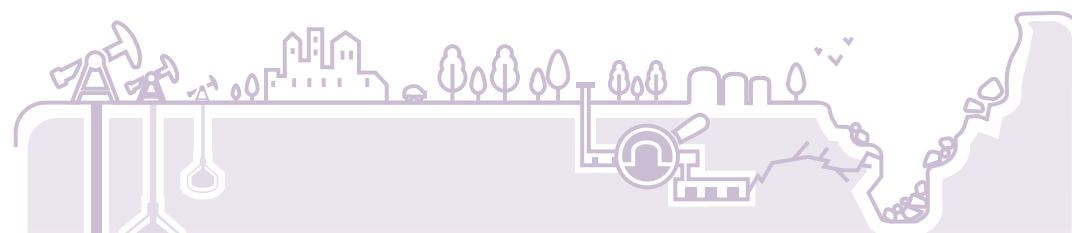


ACTIVITY FIELDS



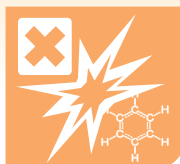
CHRONIC RISKS

- Measurement and forecasting of air quality
- Pollution of aquatic environments
- Toxicity of chemical substances for man and ecosystems
- Population exposure
- Costs and effectiveness of pollution prevention
- Electromagnetic fields
- Circular economy and waste
- Polluted sites and ground
- Nanometric substances



GROUND/UNDERGROUND RISKS

- Mines, after-mines and extractive industries
- Dissolution cavities, rocky fronts and gradients
- Geotechnical works, dams and geostructures
- Underground storage, reservoirs and deep foraging



ACCIDENTAL RISKS

- Industrial safety
- Transport of dangerous materials
- Safety of substances and chemical processes
- Safety equipment
- Fire, explosion, toxic dispersion
- Malevolence
- Nanosecurity
- New energies



CERTIFICATION

- Explosive atmospheres
- Ecotechnologies
- Operational safety
- Nanotechnologies
- Pyrotechnics



STRONG PARTNERSHIPS

- The central laboratory of air quality monitoring (LCSQA) is a group of scientific interest coordinated by Ineris with the national laboratory of metrology and testing (LNE) and IMT Lille Douai. It provides technical support to the Ministry of the Environment and to approved air quality monitoring associations (AASQA).
- AQUAREF is the reference laboratory for water quality metrology. It is coordinated by Ineris with BRGM, IFREMER, IRSTEA and LNE.
- GEODERIS is a group of public interest created with BRGM and dedicated to expertise in the field of risks related to former mines.
- UMR PERITOX: joint research unit “Perinatality and toxic risks” between the University of Picardie Jules Verne and Ineris.
- UMR SEBIO: joint research unit “Environmental stress and biomonitoring of aquatic environments” between the Universities of Reims Champagne-Ardenne, the Havre and Ineris.
- Ineris is an associate member of national research alliances ANCRE, AVIESAN et ALLENVI.
- FRB: Ineris is a founding member of the Foundation for research on biodiversity.
- International partners: RIVM, HSL, BAM, etc.



GOVERNANCE

Ineris's governance is made up of:

- A **board of directors**, made up of a non-executive president, eight representatives of the State, eight members who are qualified or represent competences or concerned economic activities and eight staff representatives;
- A **scientific board**, which examines the Institute's orientations and scientific activity and analyses their results;
- **Three specialised commissions** which give their opinion on the programmes, monitor their performance and results, and evaluate the teams;
- The research and expertise **orientation commission**, which gathers the Institute's stakeholders.

ETHICS

An independent committee monitors the application of ethics framing the independence of Ineris's opinions. It reports directly to the board of directors.

STANDARDS AND ACCREDITATIONS

Ineris is ISO 9001 certified. Several laboratories are Cofrac accredited (trials, sampling, interlaboratory comparisons, industrial product certification) and one laboratory is GLP-compliant (bioassays).

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