Every day, IRSN advances its expertise in nuclear and radiological risks by means of research and experience feedback. Research accounts for more than 39.1% of IRSN’s budget. It relies on the quality of the women and men working at IRSN, the many different disciplines they cover and their skills, reinforced by a knowledge management and training system that enables IRSN to capitalise on and transmit its knowledge internally. IRSN’s openness, in France and abroad, also plays a key role in strengthening scientific knowledge.

IS AT THE HEART OF IRSN’S ACTION

IRSN is thus a driving force in European research platforms and in many international programs. To develop its expertise in the long term and ensure it focuses on areas that deliver the most progress, IRSN has developed a 10-year scientific and technical knowledge framework, following wide consultation with its research-governing bodies, research policy committees and scientific council.

The quality of IRSN’s assessments relies on the competence of its experts, proven assessment methods and constant improvement of its knowledge of the risks, achieved mainly through its research. In-depth assessments are conducted by IRSN using a method based on scientific and technical knowledge, combined with skills, work of experts with experiments and simulations (experience feedback analysis, report analysis, modeling, experimentation, etc.). IRSN’s approach to assessment is based on critical analysis and a comparative and collective scientific and technical reflection and assessment construction process, which is multidisciplinary and includes dialogue with society and stakeholders. It is strictly governed by code of ethics, which also regulates conflicts of interest, and relies on a certified quality management system.

IRSN ASSESSES NUCLEAR AND RADIOLOGICAL RISKS IN COMPLETE INDEPENDENCE

IRSN handles all scientific and technical risks related to nuclear and radiological risks by facilitating safety-related activities (industrial, medical, or research), whether in terms of prevention in normal situations or impact mitigation in accident situations, making recommendations for action. Its expert assessment and research activities cover: the safety and security of nuclear reactors, plants, laboratories, transport and waste; protection of facilities and persons in acute or chronically due to medical exposure; environmental monitoring; protection of facilities and means of transport handling radioactive and fraud materials from malicious acts.

IRSN is also responsible for keeping the public informed about ionising radiation and its effects, and for developing and promoting a better knowledge and a safety culture. For this reason, IRSN offers numerous training courses for professionals.

IRSN’S ACTION TO PROTECT THE PUBLIC AND THE ENVIRONMENT IS BROAD IN ITS SCOPE

IRSN is a contributor to national policy on health, nuclear safety, the environment and emergency response, and plays a major role in international dialogue, particularly through the involvement of its experts in international bodies responsible for nuclear governance. The 2015 Act on energy transition and its implementing decree consolidated IRSN’s major role in the national safety and radiation protection system.

The Act underscores the importance of scientific and technical knowledge in managing risks, and reinforces the independence of safety and radiation protection research and expertise, as well as transparency and public information on nuclear and radiological risks, in particular with the publication of the notices issued by IRSN to the public authorities.

IRSN IS A MAJOR PUBLIC PLAYER IN FRANCE AND WORLDWIDE

IRSN modernizes its facilities for analysing and controlling nuclear waste. The Viktoria Loop (a facility located in the Saclay-Palaiseau area) has been chosen to be the site for the EURATOM Integrated Research Project. IRSN, a partner of the US Department of Energy, participates in the EURATOM-DTRA project, which is developing a surveillance system to show that the spent fuel from nuclear reactors is kept safe. IRSN is a contributor to national policy on health, nuclear safety, the environment and emergency response, and plays a major role in international dialogue, particularly through the involvement of its experts in international bodies responsible for nuclear governance.

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The Project has the financial support of the National Agency for Research (ANR) 6.12.CT02, the French Ministry of Armed Forces and The European Commission, through the 7th Framework Programme (FP7) and the Horizon 2020 Programme. IRSN is a partner of the US Department of Energy, the EURATOM-DTRA Project and the European Metronadon Network of Excellence and follows its recommendations.
Every day, IRSN advances its expertise in nuclear and radiological risks by means of research and experience feedback. Research accounts for more than 39.1 % of IRSN’s budget. It relies on the quality of the women and men working at IRSN, the many different disciplines they cover and their skills, reinforced by a knowledge management and training system that enables IRSN to capture on and transmit its knowledge internally. IRSN’s openness, in France and abroad, also plays a key role in enriching scientific knowledge.

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To develop its expertise in the long term and ensure it focuses on areas that deliver the most progress, IRSN has developed a 10-year scientific strategy, following wide consultation with its research governing bodies, research policy committee and scientific council.

To assess its progress and monitor its performance, IRSN has developed a large number of tools for feedback. Research accounts for 62% of IRSN’s expenditure in 2018.

In 2018, IRSN submitted 409 technical notices to the OECD-NEA, 10% more than in 2017. IRSN is thus a major contributor to the international dialogue, particularly on the environment and emergency management.

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IRSN handles all scientific and technical issues related to nuclear and radiological risks. The expertise of the facility is grouped in different disciplines they cover and focuses on scientific partnerships and men working at IRSN, the many different disciplines they cover and their skills, reinforced by a knowledge management and training system that enables IRSN to capitalise and transmit its knowledge internally. IRSN’s openness, in France and abroad, also plays a key role in enriching scientific knowledge.
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**BUDGET BREAKDOWN**

- **Total funding**
  - €277 M (2016-2017)
  - €274 M (2017-2018)

**Other funds**

- €37.72 M French funds
- €4.72 M foreign funds
- 6% investment
- 94% capitation

**Operating and investment expenditure**

- €18.83 M

**Key Facts 2018**

- Best oral presentation, Regroupement Françoprochinois pour la Recherche en Santé et l’Environnement (R2S) Congress, Marseille, France
- Young Professional Award and Young Professional Public Award, Association of Radiobiology (AAB) Congress, The Hague Netherlands, Radioextra

**AWARDS**

- Jeannine Véron Prize 2018, Association Française d’Études et de Recherches sur les Aérosols (AFERA), 31st French Aerosols congress (AFERA 2018), Geoffrey Pellerin
- Best poster prize, by young researchers, European International Radiation Protection Association (IRPA) Congress, The Hague Netherlands, Radioextra

**HUMAN RESOURCES**

- Workforce
  - 69 permanent employees (2016-2017)
  - 22 new employees on fixed-term contracts

- Site
  - 49 employees recruited on secondment
  - 76 new employees on fixed-term contracts

- Average age
  - 44.8 years for men
  - 54.9 years for women

- Site
  - 1,132 employees in France (47 in 2017)
  - 1,322 employees in Northern France (81 in 2017)
  - 1,317 employees in Southeast France (280 m, including €11 m in 2017)
  - 1,636 employees in Northern France (43,109 in 2017)

- Site
  - 44.8 years for men
  - 46.8 years for women

**애스리스**