

Four Carnot Institutes launch Extra&Co to help develop the Extractive and Primary Processing Industries (IEPT)



The Carnot Institutes, technology-based growth centres

The Carnot Institutes are **public research bodies**, certified by the Ministry responsible for research after a highly selective application process. Each Carnot Institute makes a strong commitment to **develop its research activities through partnership**: i.e. the **R&D** (Research & Development) work of its laboratories in relation to innovation in companies – from SMEs to major groups. The objective of the scheme is to **increase the economic impact** of the Carnot Institutes on the companies concerned **in terms of job creation, national and international turnover** and, consequently, **competitiveness**.

Organised in a network to capitalise on **synergies** and in **permanent contact with companies**, the Carnot Institutes are proactive in needs-orientated scientific revitalisation. They offer a **wide spectrum of skills** enabling them to anticipate and to respond professionally – in all phases of the partnership – to companies' Research & Innovation needs in the majority of economic sectors.

With no fewer than **27,000 research professionals**, the Carnot Institutes carry out 55% of the R&D contracts outsourced by companies to the public research sector with only 15% of its human resources.

The Carnot Institutes are recognised for their central role **in France's industrial recovery**:

- * sustained growth in research contracts financed by companies: a 52% increase in the value of research contracts in partnership with companies between 2010 and 2014 with a specific effort in respect of SMEs,
- * their industrial partners entrust them with **1.3 M€ of research work every day**,
- * research partnerships with more than 2,000 companies every year including 900 SMEs,

- * 2,600 young PhD graduates every year, trained in the cutting-edge skills that industry needs,
- * good geographical distribution with institutes present in the regions, as near as possible to companies involved in Research & Innovation.

For more information: www.instituts-carnot.eu

“Carnot Industry” programmes

The Carnot Institutes that are heavily involved in one industry form a group **to make it easier for companies** - SMEs and Middle Market – **to access their skills and technological facilities.**

For each programme, the objectives of the Carnot Institutes’ coordinated approach are:

- * to enable companies to benefit from an easily-understandable, well-structured partnership and knowledge and technology transfer, enriched by an industry-specific R&D needs analysis,
- * to go and meet companies in order to better identify their needs relative to market expectations,
- * to accompany companies’ innovation programmes and facilitate their access to technological platforms.

This structuration into economic sectors has been carried out to better meet the needs of SME – Middle Market Companies and to increase the Carnot Institutes’ impact on companies’ innovation and competitiveness.

The Carnot Industry programmes are also supported by the “**Future Investments**” **Programme “Promotion of the Carnot Institutes”** run by the French National Research Agency.

Extra&Co, the fruit of a marriage between four Carnot Institutes

The “Carnot Industry” programme *Extra&Co*, designed to last for **six years**, is run by a **consortium of four Carnot Institutes** (ISIFoR, BRGM, ICEEL and M.I.N.E.S) covering the whole value chain of the **mineral resources (metallic and non-metallic) sector and bedrock energy resources**. It is coordinated by the ISIFoR Carnot Institute and its objective is to contribute to the development of the **extraction and primary processing industries (IEPT)**.

The objective of *Extra&Co* is to organise, propose and manage an offer of R&D-related services to accompany the growth of very small to middle-market companies in the industry’s key markets. Three major areas of innovation are targeted: exploration, extraction-exploitation and control of environmental impact.

In order to achieve this, *Extra&Co*'s roadmap is clear:

- * identify the needs and expectations of the industry's SMEs and middle-market companies,
- * draw up a strategy aiming to deploy a structured, coordinated offer,
- * develop and organise access to technological infrastructure (36 platforms have already been identified in the consortium's four Institutes),
- * develop R&D projects, including those to be carried out in collaboration with very small, small and middle market companies.

This programme also aims to **organise and build up a network** of competitiveness clusters, technical centres, professional organisations, etc. that will complete its offer of services.

In order to reach these objectives, *Extra&Co* – apart from a committee-based governance system – has a seven-person **dedicated operational team** of whom four are project officers covering the whole of France.

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