



Rijksdienst voor Ondernemend
Nederland

***A brief mapping of Innovation in France in 2018 ...
An engine of revolution***

>> *Duurzaam, Agrarisch, Innovatief
en Internationaal ondernemen*



French touch, French Tech, French Fab ... How does France boost its revolution towards digitalization?

The erosion of the French industry since the year 2000, has resulted in a fall in the spontaneous level of R&D.

The observation of asymmetrical relations between large groups and SMEs, as well as the weak links between SMEs and the world of public research (universities, “Grandes Ecoles” or public research organizations), was bound to change.

More generally, the lack of cooperation between public laboratories and companies, had to evolve.

The first phase of the evolution was characterized by the launching of the “Pôles de compétitivité” in 2005. A pole of competitiveness is a gathering of large, medium, small companies, research laboratories, training institutes, universities, located on a specific identified territory, according to know-hows, sometimes dating back to former century.

The goal of competitiveness clusters is to build on synergies and innovative collaborative projects both in France and abroad.

A map of Competitiveness clusters is available at: www.competitivite.gouv.fr/en

An online directory is available at: <http://competitivite.gouv.fr/identify-a-cluster-907.html>

Over the last fifteen years, the financial support for innovation by the public authorities has doubled in constant euros. The choice to devote more and more resources to this policy was maintained over the course of the political alternations.

In 2016, the total amount of aids reached ten billion euros.

However, on the one hand, this was a substantial amount dedicated to support innovation by various public actors and on the other hand, a support for innovation that was characterized by too many instruments and an instability of the devices. (62 in 2016)

The tax incentives as the Research Tax Credit (RTC) also called “Credit Impôt Recherche (CIR), reached around 5.5 billion euros in 2016.

This situation has resulted in a great reorganization, and finally, two major players, are now conducting the programs of innovation.

The Secrétariat général pour l'investissement (SGPI) which manages the Future Investment Programs -PIA <http://www.gouvernement.fr/secretariat-general-pour-l-investissement-sgpi>

And the **Bank Public d'Investissement – BpiFrance**, the French public bank that supports and finances the effort of business innovation. <http://www.bpifrance.fr>

To summarize, the French ecosystem of innovation is therefore strongly based on this particular concept, organized to ensure interaction between the professional organizations, the enterprises, (start-ups and big

groups), the universities, clusters, public Authorities, private stakeholders, investors, R&D Institutes, laboratories, academics, and Medias... in other words ... “The French Touch”

Created in France in 2006, **the Carnot system** currently corresponds to the labeling of 34 institutes, that are organized as a network. These institutes obtained the Carnot label thanks to their ability to develop both technology transfer to companies and research partnerships with other research organizations and companies, including in the framework of European programs.

Some of the most famous ones are:

- Le CEA LETI (Grenoble), <http://www.leti-cea.fr/>
- L' ONERA (Palaiseau), <https://www.onera.fr/>
- l'INRIA, <https://www.inria.fr>
- TELECOM et SOCIETE NUMERIQUE, <http://www.instituts-carnot.eu/fr/institut-carnot/telecom-societe-numerique>
- M.I.N.E.S., <https://www.carnot-mines.eu>

The French TECH



Launched in 2013, the French Tech brand refers to the innovative public policy and to the start-ups ecosystem. Entrepreneurs in the first place, but also investors, engineers, designers, developers, large groups, associations, media, public operators, research institutes ... all of them being committed to the growth of start-ups and to their international influence.

<http://www.lafrenchtech.com>

In the Auvergne Rhône-Alpes region - www.lyonfrenchtech.com,
<http://www.lafrenchtech.com/metropole/french-tech-alps>

This ecosystem is highly supported by,

Bpifrance, <http://www.bpifrance.fr>

Caisse des dépôts, <http://www.caissedesdepots.fr>

DGE, <https://www.entreprises.gouv.fr>

Ministry of economy, <https://www.economie.gouv.fr>

Business France, www.businessfrance.fr for the international development.

The French FAB



The “New Industrial France” or NFI in French- “Nouvelle France Industrielle” was launched in April 2015 to succeed the reindustrialization of France.

<https://www.economie.gouv.fr/nouvelle-france-industrielle/accueil>

In October 2017, the “French Fab” brand was launched to represent the French ecosystem of industry in France and abroad.

Whatever the size of the companies, from medium size companies to international groups, all of them focus on local expertise, factories, and engineering offices and are open to great evolutions based on digital, new technologies or green economy.

All of them have a long-term project and are involved either in manufacturing or providing services, to build the Industry of the future “à la Française” .

<https://www.lafrenchfab.fr/#Partenaires> will provide you with the list of the French FAB partners.

More detailed information @ <https://www.lafrenchfab.fr>



FRANCEISAI is empowered by “France digitale”. <http://www.francedigitale.org/>

This French association brings together entrepreneurs and digital investors to promote the digital economy. They believe Artificial Intelligence (AI) will accelerate the disruptions in almost every industry.

<https://franceisai.com>

FRANCEISAI Supports and promotes the French Artificial Intelligence ecosystem, both locally and internationally, while building bridges with the other AI hubs.

The initiative has 4 key objectives:

- Build a dynamic landscape of the AI ecosystem, with the input of the community
- Organize the annual “France is AI” conference to celebrate the ecosystem as well as exchange on the latest research, applications or debate the societal implications
- Support local initiatives with any financing and network (By the ecosystem, For the ecosystem)
- Build bridges with the other AI hubs (US, Canada, UK, Switzerland and China)

FRANCEISAI gathers several communities:

STARTUPS

More than 250 French startups leveraging AI in a variety of applications: <http://franceisai.com/startups>

RESEARCH

Both public and private AI Research is very active: <http://franceisai.com/research>

EDUCATION

An education with a long tradition in mathematics, critical for the AI learning: <http://franceisai.com/education>

COMMUNITY

A vibrant community of AI passionate people and an ecosystem supporting entrepreneurship around AI.

For example: Agoranov, <http://www.agoranov.com/> Agoranov fosters the creation of innovative startups

Telecom ParisTech, <https://www.telecom-paristech.fr/> School for telecom engineers.

Would you need more detailed information or introduction in the Rhône-Alpes region,

*Please contact **NBSO LYON** - <http://www.rvo.nl/nbso>*

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