

The science park of Food-Processing and Environment

Biotechnologies

Plant improvement

Dairy technologies

Nutrition

Breeding systems

Water quality



R&D laboratories, start-ups,
service companies...

*Make sure
you're where
the future lies*



A Land of Success

With production of 1.5 billion litres of milk, Ille-et-Vilaine is France's **premier milk-producing area**. It is also France's **leading département** for the production of veal and the **4th largest** for pork production. The food industry, the département's **2nd largest industrial sector** (12,000 employees, **135 companies** with more than 20 staff) plays a major part in the area's economic development. Three of the sectors are particularly dynamic - meat (Grand Saloir St Nicolas, Charcuteries de Brocéliande, Traiteur de Paris etc.), dairy products (Lactalis, Entremont, Triballat, Laiterie de St Malo etc.) and bread & cakes (Panavi, Le Duff, Bryalis etc.).

This dynamism has created ideal conditions for a **cluster of companies offering innovative technological services and products for the food industry**. They include biotech R&D (Nutrinov), ultrafast diagnostic tools (Genesystems), industrial microbiology equipment (AES Laboratoire) and the assessment of health food products (Proclaim). In Saint-Malo, **marine resources** are maximised and processed using biotechnology (Laboratoire Goëmar, Phytomer...). This is an important sector with applications in agricultural engineering, food and cosmetics.



Marine biotechnology laboratory of Goëmar - Saint-Malo

Inra, a key figure in the research sector

The Inra research centre in Rennes has 24 research units undertaking experimental research and providing support and back-up for the research sector. It employs 1,000 people specialising in 3 main areas:

- Quality of food products:** concerned at every level from production to processing, the research looks at product quality in terms of health, sensorial aspects, technology and functional properties.
- Biology of organisms for use in agriculture:** integrative biology of organisms of particular interest for agriculture, ranging from the analysis of genomes to a population's

capacity for evolution (transcriptome, proteome etc.) and the development of innovative biotechnologies (reproductive biotechnologies, traceability, genetic engineering).

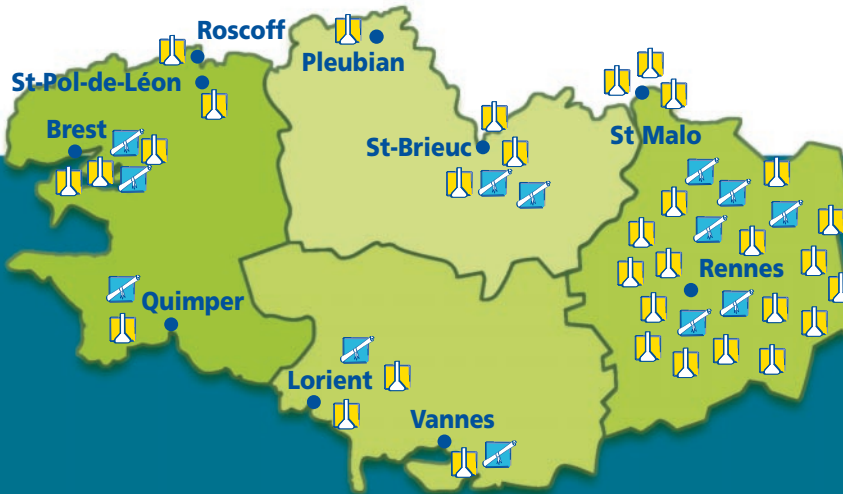
- Durability of agricultural production systems and the quality of ecosystems:** control and maximisation of input and waste (animal nutrition, treatment of waste from the food & farming sector etc.), measurement of the impact of production systems on environments and ecosystems, help with decision-making and design of new production systems.

● Cutting-edge research and superlative higher education

In Brittany, agriculture, the food industry and their effect on with the environment provide a vast opportunity for development. Research and the transfer of knowledge in areas relating to agriculture or animal and plant production, product processing, food safety, genomics and biotechnologies have given rise to a large number

of courses and research teams.

In Rennes (58,000 students), the research and higher education establishments for agricultural engineering and courses relating to the food industry constitute a particularly dynamic network which gathers more than **4,000 students** and **820 researchers and lecturer-researchers**.



University Campus



Research and higher education establishments

Université de Rennes 1
(life sciences and environment)

Université de Bretagne Occidentale
(agronomy and health)

Université de Bretagne Sud

Agrocampus (food industry and agricultural engineering)

Vie-Agro-Santé Centre (Ph.D's in life sciences, agronomy and health)

Esmisab (food safety)

Ispaisa (animal production and food industry)

Ispa (animal production)

ENSCR (chemistry)

ENSP (environment and health)

EME (environment)



Research and technology transfer centres

● Agricultural and environment research

Inra
Functional genetics, agronomy and health research Institute
Ouest-génopole
CNRS
Caren
Cemagref
BRGM
Ifremer
Ceva
Pôle Agronomique Ouest

● Dairy technologies

Cerel
Bionov
ITFF

● Research and experimentation for the quality of the meat

Institut de l'élevage (breeding)
ITP (pork)
Itavi (poultry)
CTPA
Afssa (animal health)
ANMV (veterinary medicinal)

● Littoral environment research

National museum of natural history
Laboratory of geomorphology and littoral environment
Ifremer

● Food industry research

ID Mer
Adria
Cetaa
Isamor
Archimex
Critt Santé Bretagne
CBB Développement
BBV
Organisation bretonne de sélection

Testimonies



"Agrocampus draws its strength from the synergy between higher education and research in the agricultural engineering and food sectors, and its opening onto the industrial world."

Grégoire Thomas,
Director, Agrocampus Rennes



"From our base in Rennes, we are developing our business on the international scene."

Alain Le Roch,
CEO, AES Laboratoire



"Bionov is the result of cooperation between industrialists and researchers with a view to purchasing and sharing the use of R&D equipment"

Jean-François Falcetta,
Managing Director, Bionov
(food-processing pilot scheme)



"From initial idea to final realisation, the support given to our project by the Rennes Atalante business incubator enabled us to move forward more quickly."

Fabrice Béraud,
CEO, Idra Environnement

A Few References

- Rennes, France's 2nd largest centre for courses in agricultural engineering and relating to the food industry.
- Brittany, France's leading region for the production of milk.
- Brittany, France's leading food processing region.
- Brittany - Pays de la Loire: a national genetic engineering centre specialising in "Sea-Agriculture-Health".
- Rennes hosts Space, an international exhibition that is the 2nd largest annual meeting-place for professionals working in the agricultural sector (106,000 visitors and 1,300 exhibitors).
- CFIA, national exhibition for suppliers of the food industry (17,000 visitors and 800 exhibitors).

Rennes Atalante, a science park that provides services and back-up for technology businesses

Rennes Atalante, the science park set up in 1984 by the District Council (Rennes Métropole), aims to contribute to economic development through technological innovation.

To achieve its objective, an association was set up and sites developed to cater for innovative companies, four in the Rennes area and one in Saint-Malo, close to university campuses.

The Rennes Atalante Association brings together all those involved in innovation: high-tech companies, higher education establishments, research institutes, sources of innovation funding, technology transfer agencies and local and regional authorities.



Maison de la technopole
15 rue du Chêne Germain • 35510 Cesson Sévigné • France
Tel. +33 (0)2 99 12 73 73 • Fax +33 (0)2 99 12 73 74
technopole@rennes-atalante.fr • www.rennes-atalante.com
Science park of Rennes - Saint-Malo
Member of International Association of Science Parks



The Rennes Atalante Association

will help you to become part of the Park's networks of companies and players in the research sector (invitations to conferences, contacts with partners, listing in the Park's directory and website etc.).



The science park is represented at international exhibitions.



Its main objectives

To promote the science park in France and in other countries

To develop synergies between Education, Research, Industry and Finance

To provide premises for companies

To provide assistance for technology company start-ups



Numerous meetings are organised to establish contacts between people in the Park network.



Premises, land and business incubators are available for technology companies.



Project leaders are assisted each step of the way when setting up businesses.