

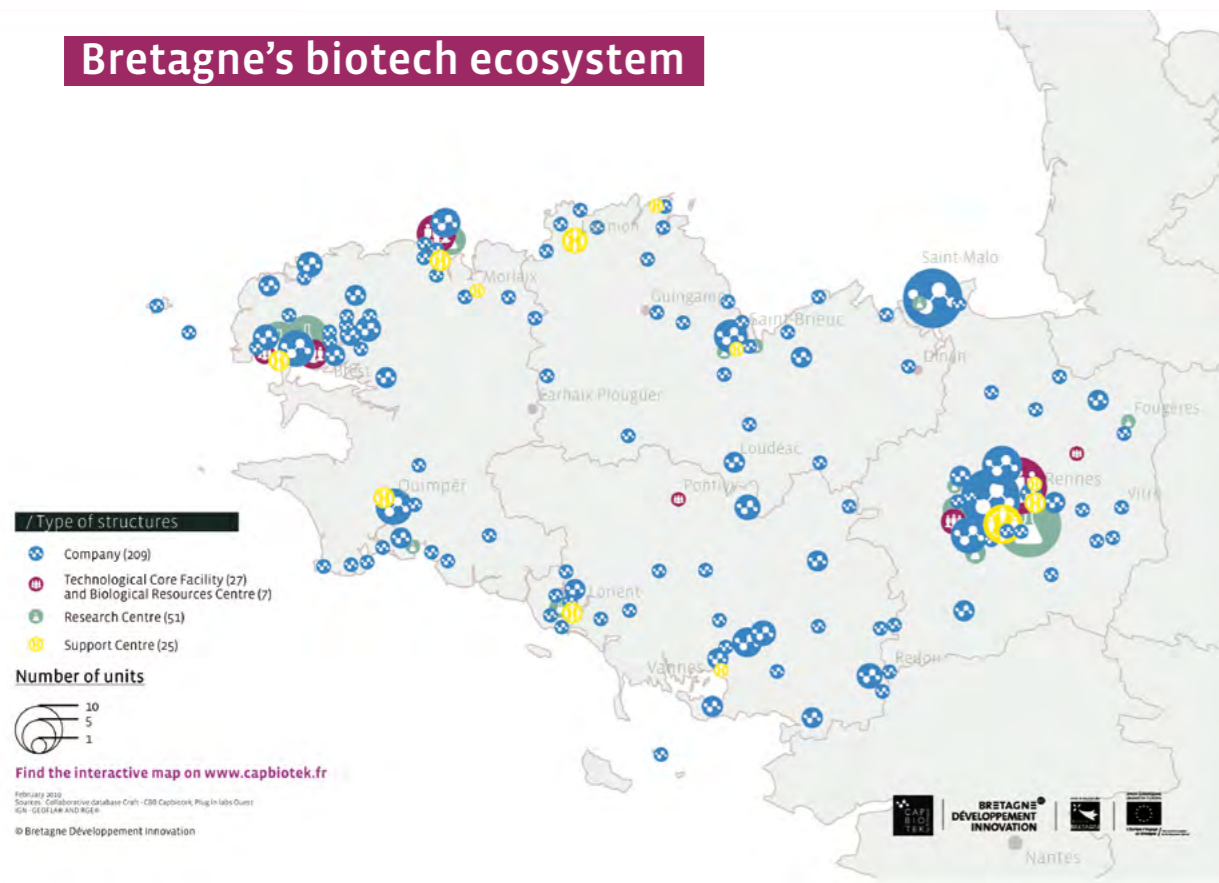


FAST-PACED ENTREPRENEURSHIP

More than 300 key players, including 210 companies

There are over 200 businesses in Bretagne operating in the biotech sector. Leaders and groups such as Yves Rocher, Roullier, Lactalis, BioMerieux, Sanofi, Diana, Goëmar work alongside pioneering SMEs and promising start-ups. This thriving ecosystem is backed by scientific research excellence with several national organisations located in the region.

Bretagne's biotech ecosystem



KEY FIGURES Biotech in Bretagne

3rd region in France for biotechnology

Leader in marine biotechnology

One of the world's first suppliers of marine ingredients for cosmetics

STRONG AND VIBRANT NETWORKING...

63 research teams

Nearly 40 technological innovation centres and core facilities including **2 regional innovation and technology transfer centres** at the heart of the regional biotech strategy:

- **Biotechnology:** CBB Capbiotek (biotech sector coordinator)
- **Health:** ID2Santé (health sector coordinator)

3 marine biology stations Concarneau, Dinard and Roscoff

50 new biotech projects supported every year by public and private funding

10 biotech-related programmes within France's *Investissements d'Avenir* funding scheme.

Innovation clusters Based or represented in the region

- **Sea:** Pôle Mer Bretagne Atlantique
- **Agrifood:** Valorial
- **ICT:** Images & Réseaux
- **Health:** Atlanpole Biotherapies
- **Plant:** Végépolys

National research organisations located in the region ANSES, CNRS, Ifremer, INRA, INSERM, Irstea...

Clusters with specific themes

- **Development of the algae sector:** the algae cluster of Brest area
- **Development of sustainable marine economy:** Campus mondial de la mer
- **Structuring Bretagne's SMEs in cosmetics:** Cosmétropole Grand Ouest
- **Photonics and optics:** Photonics Bretagne
- **Business club:** Bretagne Biosciences

Business incubators available across the region

... AND A WEALTH OF INNOVATIVE PROJECTS

BRETAGNE^{BE}

Biotechnology



BIOTECHNOLOGY BY BRETAGNE, NATURALLY

Conception: d'Innovation Bretagne.com | crédits photo: Emmanuel Pain (couverture)

* Source: BioMap 2014 - 2018



L'Europe s'engage en Bretagne



A UNIQUE BIO-REGION

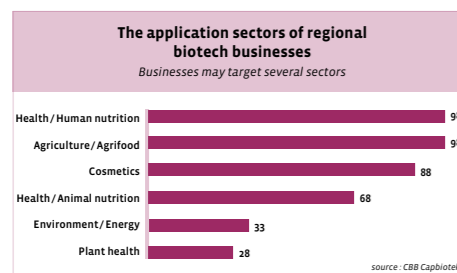
Bretagne ranks third in France* for biotechnology. As such it is now a critical player in the country. It has built up a thriving and ever-evolving economy around a traditional industry and this has been achieved by capitalising on its collective approach and its capabilities in harnessing its natural resources.

Today Bretagne enjoys a unique position in the so-called blue and green biotechnologies. Blue refers to marine resources and green refers to land-based resources. What is more, our region has a long tradition in information and communication technologies, and there is a huge potential to be gained by crossing

this sector with biotechnology. As a sector of excellence, biotechnology really is at the heart of what has been dubbed the Glaz economy, glaz being a word from the Breton language depicting a blend of blue and green so emblematic of our region's geography.

*Source BioMap 2014 - 2018

Marine and agro-biotech our sources of innovation



OUR AMBITION

Bretagne intends to join other major regions and establish itself as a mature innovation hub for marine and agro-biotech.

Application sectors

Our biological resources are being applied across four areas:

- Human, animal, plant's health and nutrition
- Cosmetics and nutraceuticals
- Agri-food industry
- Environment/ Energy



As France's leading region for agriculture and agri-food, Bretagne draws on a wealth of livestock farming and crop-growing resources as a way to deliver high-added value innovation.

AGRO-BIOTECH 117 businesses

- Innovation in molecules for cosmetics, food and health
- Plant protection
- Health and animal nutrition
- Promotion and use of biomass to produce molecules and energy



With 1800 miles of coastline, Bretagne enjoys a unique biodiversity: 800 species of algae listed, a national marine park designated by UNESCO where nature conservation and economic growth go hand in hand.

MARINE BIOTECH 87 businesses

- Production of marine molecules for health and cosmetics
- Production and processing of algae as ingredients
- Sustainable use of marine coproducts
- Use of biomass to produce energy

Tests, analysis and diagnostics : genomics, immunology, biosensors: 42 businesses

Those businesses with multiple capabilities may be positioned across several of these areas

CAPBIOTEK, MORE THAN A NETWORK, A BIOCATALYST FOR INNOVATION

CBB Capbiotek coordinates Bretagne's biotech industry. It helps innovative projects get off the ground and promotes the region's capabilities in France and abroad.

Capbiotek for biotech made in Bretagne.

A SHARED VISION

Capbiotek is managed through a network of forward-looking experts committed to growing the industry in the region.



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