

BRETAGNE ^{BE}

Health



BRETAGNE

**A REGION COMMITTED TO
OUR FUTURE HEALTH**



ECONOMIC DEVELOPMENT



EDUCATION AND TRAINING



RESEARCH



EXPERIMENTATION



INNOVATION



CLINICAL SECTOR



SOCIETY



REGION

Our ambition

Become a leading region in Europe in addressing the healthcare challenges of tomorrow: prevention, prediction, patient empowerment.

Thanks to the strengths and innovation of our region's healthcare sector, Bretagne ranks among France's leading regions for its scientific and clinical expertise, and also as a great place to do business.

With committed stakeholders the sector enjoys a high level of **R&D** investment, and its research in **healthcare technologies** (imaging and eHealth) is recognised throughout France. As a leading region for R&D into **molecular and active agents**, Bretagne is going from strength to strength in **biotechnologies** and **health nutrition** – it even has healthcare subsidiaries within its agrifood businesses, and not many regions can claim that. Furthermore, our region is highly skilled in **liver pathologies, cardiology, neurology and orthopaedics**.

Patients and healthcare professionals are at the heart of the sector's innovation

Today healthcare should be patient-centred and delivered by multidisciplinary medical teams co-operating together. **Translational research**, « from research lab to hospital bedside, » has been the focus of many pivotal projects across the region.



Diagnostic and therapeutic technology

A forward-looking and innovation-driven sector devoted to the medicine of tomorrow, drawing on acknowledged regional expertise.

- ✓ Over 80 companies*
- ✓ Cutting-edge academic research
- ✓ A centre for clinical investigation and technological innovation (diagnostic and therapeutic devices)
- ✓ Medical imaging platforms
- ✓ A hospital-university federation to develop pioneering health technologies (TECH SAN)
- ✓ “Livings labs” for co-creating and exploring new ideas with users
- ✓ The innovation clusters “Images et Réseaux” and “Atlanpole Biotherapies”

- ◆ *Diagnostic and interventional medical imaging*
- ◆ *Medical devices*
- ◆ *Computer-assisted medicine/surgery*

ADDRESSING THE HEALTHCARE CHALLENGES OF THE FUTURE BRETAGNE'S STRENGTH

E-health

The region, 2nd in France for digital technology R&D, has a long and proven track record which has led to a dense network of digital companies working to develop ehealth technologies.

- ✓ Over 50 companies*
- ✓ Expertise in health data analysis (Smart data)
- ✓ The innovation cluster “Images et Réseaux”
- ✓ The b>>com Technology Research Institute specialising in digital technology including connected health and augmented healthcare

- ◆ *Telemedicine*
- ◆ *Connected health devices*
- ◆ *Big data*
- ◆ *Assisted living*

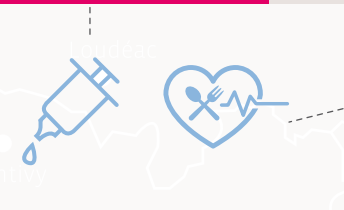
Biotech/pharma new therapeutic approaches

- ◆ Development of therapeutic molecules
- ◆ Innovative Preclinical and clinical services
- ◆ Manufacture and distribution of pharmaceuticals

Bretagne is France's 3rd ranking region for biotechnology** – our region has specialist skills and knowledge in genetics, bio-markers, and the exploitation of marine biomolecules.

- ✓ Around 60 companies*
- ✓ Contract Research Organizations including Europe's leading early stage clinical research centre in Europe
- ✓ 2 clinical investigation centres
- ✓ 3 biological resource centres
- ✓ A network of core facilities for life sciences
- ✓ A hospital-university federation for cancer care (CAMIn)
- ✓ Structured research on multifactorial disorders in conjunction with Inserm (TramWest)
- ✓ The Capbiotek network
- ✓ The innovation cluster Pôle Mer Bretagne Atlantique for the exploitation of marine resources
- ✓ The innovation cluster Atlanpole Biotherapies

KEY CHALLENGES AHEAD: RISKS AND CAPABILITIES



Prevention / health nutrition

As France's leading agrifood region, Bretagne has quickly taken centre-stage in the development of active ingredients and nutritional foods for health purposes.

- ✓ Over 60 companies*
- ✓ Subsidiaries from the food industry specialising in health nutrition
- ✓ Structured research and clinical research in food, metabolism and prevention of pathologies (NAMS).
- ✓ A research institute in health, environment and work (IRSET)
- ✓ An innovation cluster specialising in food (Valorial)

- ◆ Prevention: development of active ingredients for health, foodstuff for particular nutritional uses and dietary supplements
- ◆ Environment: health – prevention of toxicological risks

A REGIONAL HUB TO HELP YOU INNOVATE IN HEALTHCARE

Bretagne's health sector is brought together and led by ID2Santé, a technological innovation centre that is on hand to support innovators specialising in health. We are with you from the concept to the validated product or service.

At ID2Santé, we bring together technologies, users and markets as a way to encourage innovation. We also liaise across regional, national and international networks.

ARE YOU LOOKING TO INNOVATE OR EXPERIMENT IN BRETAGNE?

At ID2Santé we have the expertise to get **your project up and running**. Our resources include information about **current standards and regulations**, and **links to potential partners and funding**. We are also on hand if you need your venture to receive official backing from an innovation cluster.

Key facts

- ✓ Around **60 business projects** backed every year
- ✓ Over **150 consultations** given to entrepreneurs
- ✓ Over **40 technology transfer and innovation projects** with academic research
- ✓ **5 core policy** drives for the region (combining healthcare delivery, research and the economy)
- ✓ **Involvement in 3 innovation clusters and regional representative of the Atlanpole Biotherapies cluster**
- ✓ **A partner in European projects** for the benefit of regional healthcare stakeholders

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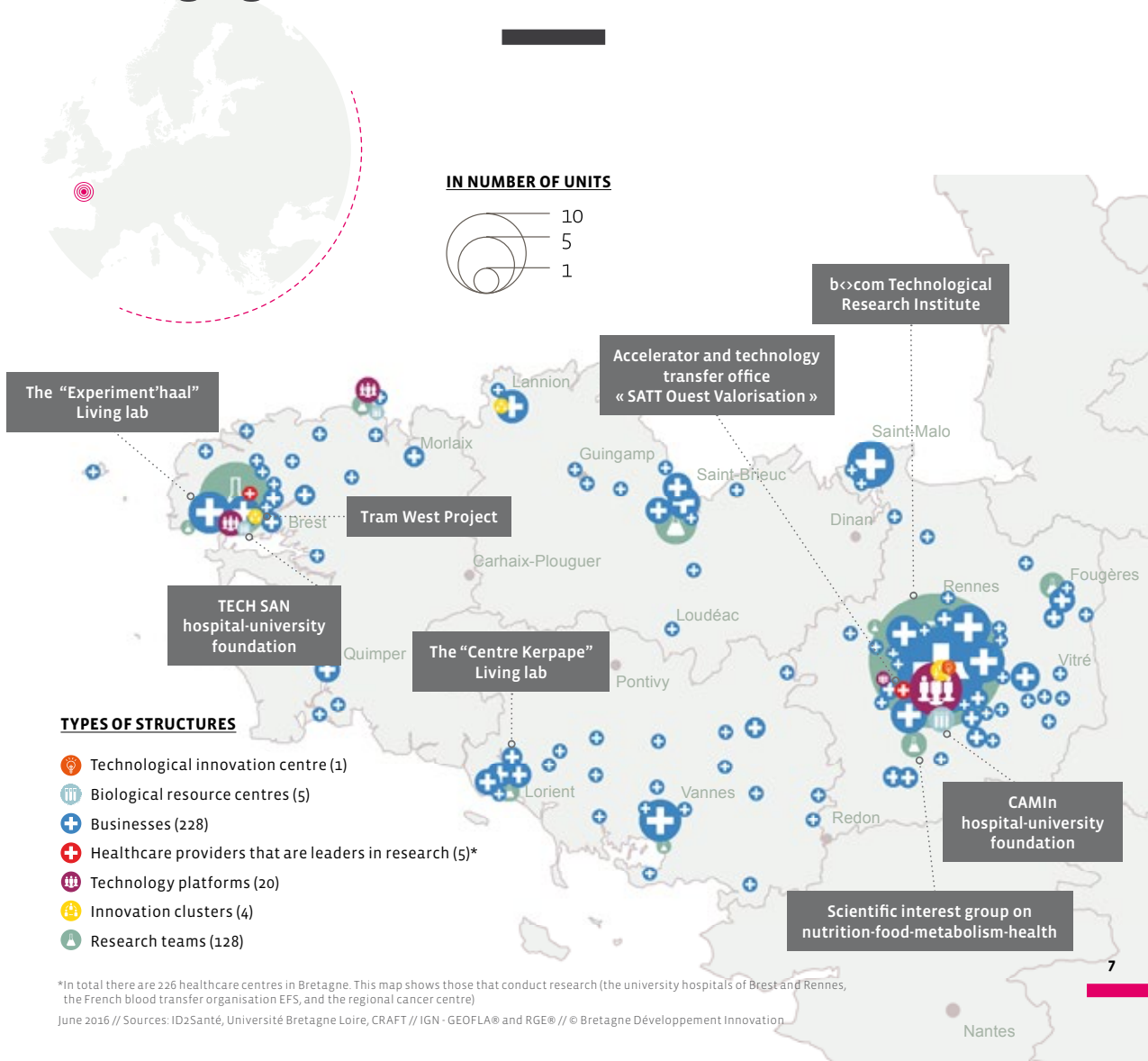




OVER 500 KEY PLAYERS

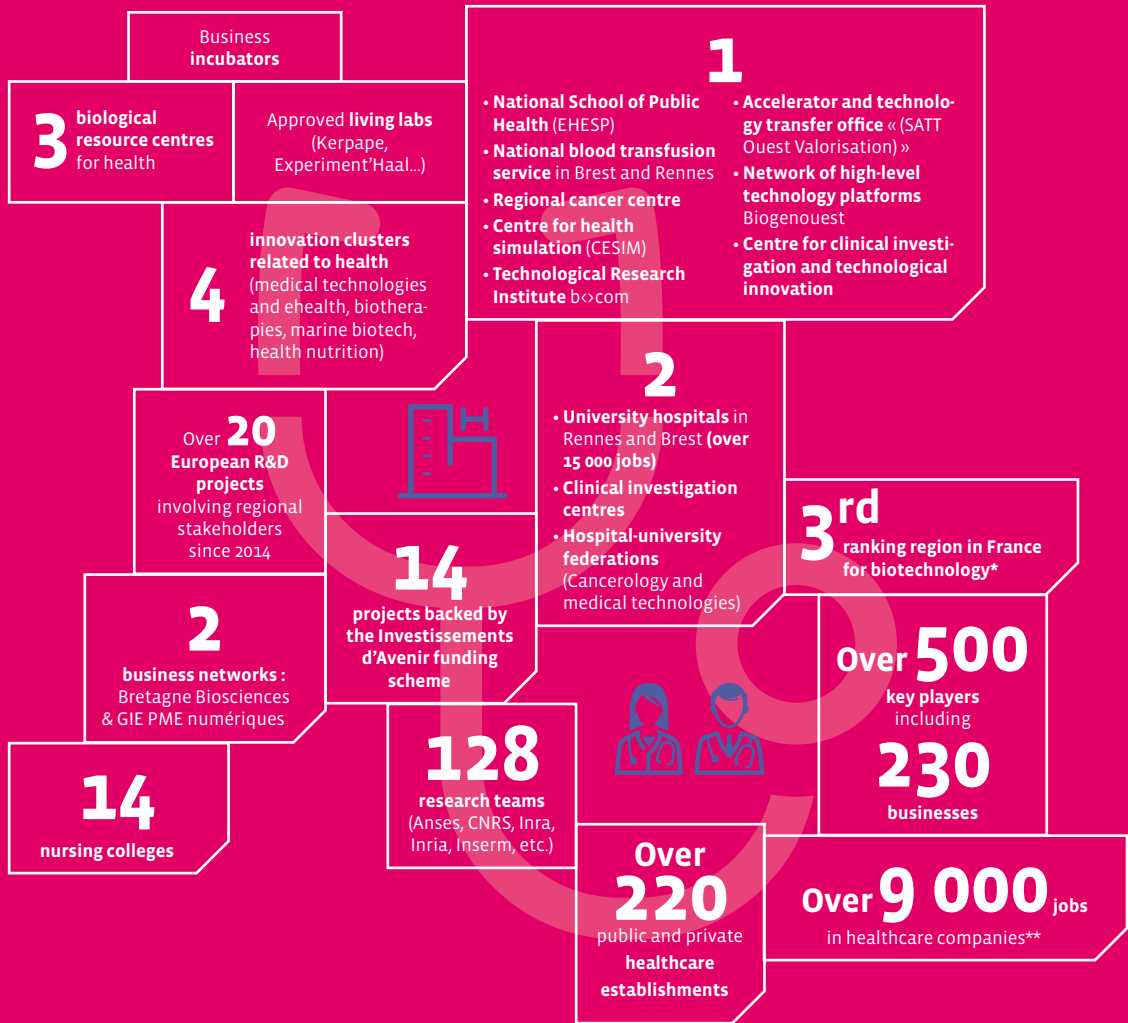
including **OVER 230 BUSINESSES**

engaged in tomorrow's healthcare



*In total there are 226 healthcare centres in Bretagne. This map shows those that conduct research (the university hospitals of Brest and Rennes, the French blood transfer organisation EFS, and the regional cancer centre)

HEALTH IN BRETAGNE



* Source BioMap 2015 Biotech Finances // ** CRAFT Data July 2015

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avec le soutien de
**RÉGION
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L'Europe s'engage
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