

UNIVERSITÉ DE BRETAGNE OCCIDENTALE

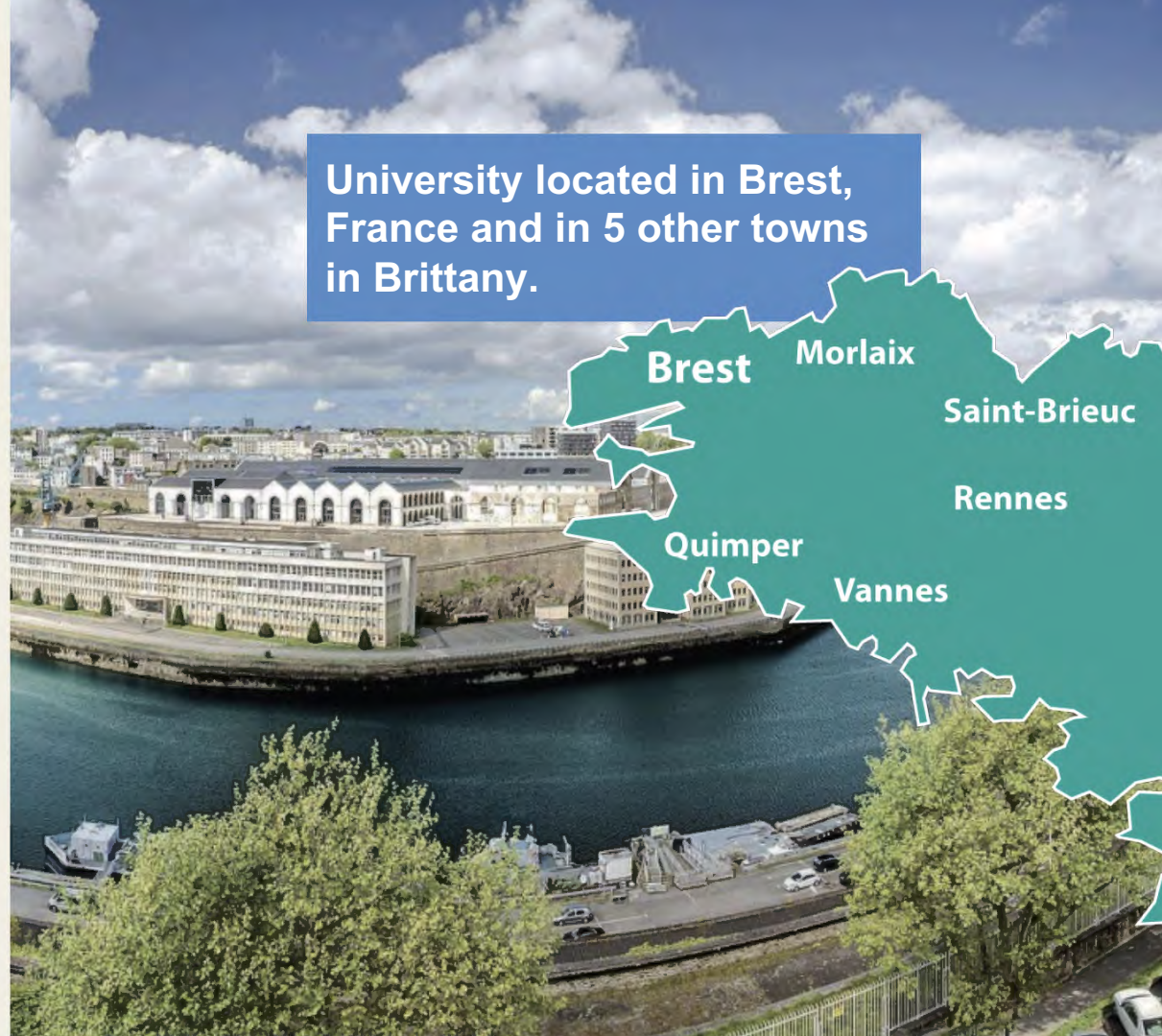
The power to broaden horizons

UNIVERSITÉ DE BRETAGNE OCCIDENTALE

It is a major player in the education and research sectors in a vibrant metropolis and an exciting environment.



University located in Brest, France and in 5 other towns in Brittany.

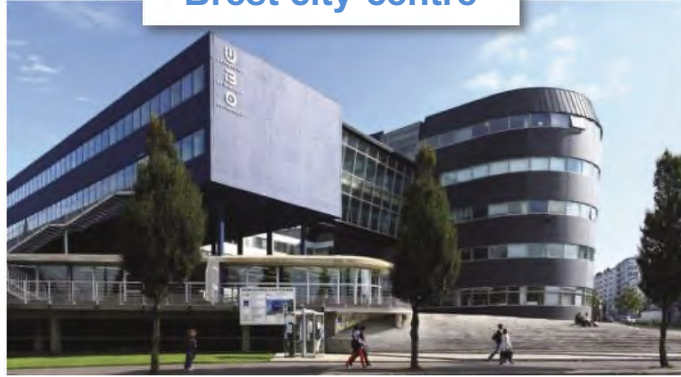


Campus Sea and City

Technopole Brest-Iroise



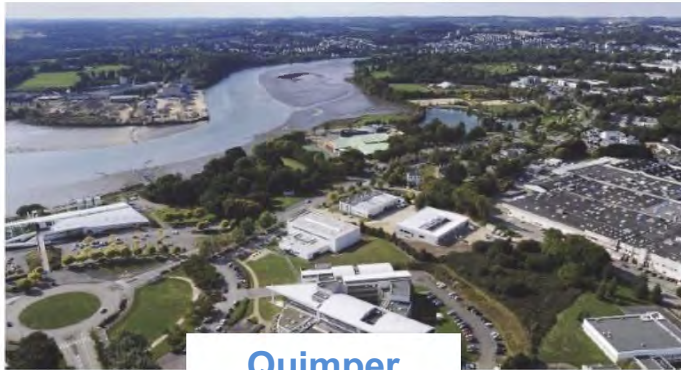
Brest city-centre



Brest-Bouguen



Quimper



Morlaix



A university with a regional scope

In
2021
50
ans

En route to
Europe!

History

- 1959 Collège Scientifique Universitaire
- 1960 Collège Littéraire Universitaire
- 1966 National School of Medicine
- 1967 Law Institute
- 1968 Brest IUT, University Institute of Technology
- 1969 IUT Quimper
- 1970 Centre Littéraire Quimpérois
- 1971 **Creation of the University of Brest**
- 1993 ESMISAB now ESIAB School of Food Engineering
- 1996 Pierre-Jakez-Hélias campus in Quimper
- 1997 IUEM European Institute for Marine Studies
- 2001 IAE Institute of Business Administration
- 2008 IUFM becomes INSPÉ
- 2018 ISBLUE Interdisciplinarity Graduate School for the blue planet
- 2019 **SEA-EU European University of the Seas**



Constantly evolving since 1971

Student Life

55

registered
student associations

46

student entrepreneurs
in 2020

133

projects funded in 2022

1200

students involved in
university life

50% of the members of the Student and Campus Life Commission (CVEC) are students



Shared initiative with the CROUS, which supports students in starting up innovative projects and contributes to campus life.

Campus Life

#SPORT #CULTURE #HEALTH

CVEC funds

5300
students

took part in sporting activities.
400 went on to University-level competitions

30
cultural projects

Artistic workshops and exhibition in the
"Salle des Abords"

9000
consultations

with general practitioners and
social welfare services

Organised sport activities

Facets of artistic and cultural expression

Social and welfare support

Medical, gynaecological and psychological consultation

Sustainable development

Increase in the number of bicycle parking spaces, installation of safe stalls and organisation of a DIY bike repair workshop.



Towards a sustainable mobility initiative

Campuses enhanced by an ambitious energy source transition initiative!



-55%
of electricity
consumption



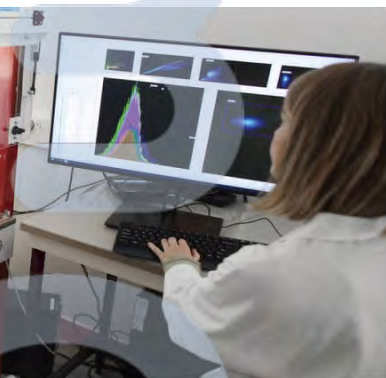
-80%
emissions of
greenhouse gases



Renovation of the IUT in Quimper,
officially opened in October 2023

Progressive renovation of the university's estate

Promoting research and technological development platforms



130

Research contracts
with companies in 2023

28

Invention declarations
registered in 2023

6

Patents
registered in 2023

8

Contracts to use intellectual
property rights per year

2

Start-ups
launched

220

Annual service contracts
(795,000 euros in 2021)

4 to 8

Projects maturation per year,
up to €8.4 million in 2022

7 to 12

Cifre Thesis Annual Convention
(800,000 euros in 2021)

2020-2023

Blue-Box University Centre for Innovation

- 8 initiatives financed to increase awareness, detect and increase the volume of high-potential innovation projects, sustainable partnerships and start-up creations
- Entrepreneurial support
- €1.2 M dedicated to resident entrepreneurial initiatives
- A committee on "Ocean Impact" to reduce the environmental impact of innovation projects

€4 M

to make the tip of Brittany the driving force in France for the creation of start-ups and the development of *Ocean tech* companies

The place to sea!



An innovation laboratory inspired by the Fab lab model. The UBO Open Factory offers a unique service within the university landscape, encouraging open and responsible innovation by training interested residents in new project development practices.

The university's Fab lab: A space for experimentation, inspiration and social interaction for the benefit of the Campus!

UBO statistics

22.380

Students

455

PhD students

1360

Teachers &
Lecturer-
researchers

990

Support staff

2022 Data - Sources : DEVE - DRH

A multidisciplinary university

Multidisciplinary research

The UBO has a multidisciplinary ecosystem, with 4 main areas of research

The Sea
Humanities and Social Sciences
Health - Agro-Environment - Materials
ICT and Mathematics

35

Research
Units



670

Lecturer-
Researchers



6 national
supervisory
bodies



Inserm
Le service pour la santé
Prévention et Santé

Ifremer

IRD Institut de Recherche
pour le Développement
FRANCE

INRAE



Data as of the first of September 2023 - Sources: DRIVE - DRH

Addressing the environmental and social challenges of tomorrow

Research
Units #1

The Sea

→ 5th

in the thematic
Shanghai ranking
for oceanography

Support and Research Team

IUEM OSU- UAR 3113
European Institute for Marine
Studies (CNRS)

Research Units

AMURE
UMR 6308 Development of
the Uses of Marine and
Coastal Resources and
Spaces (CNRS, Ifremer, IRD)

BEEP
UMR 6197 Biology and
Ecology of Deep Marine
Ecosystems (CNRS, Ifremer)

GEO OCEAN
UMR 6538 Ocean
Geosciences (CNRS, Ifremer,
UBS)

IRD
UMR 6027 Dupuy de Lôme
Research institute (CNRS,
UBS, ENSTA Bretagne, ENIB)

LBCM
EMR 6076 Laboratory of
Marine Biotechnology and
Chemistry (CNRS, UBS)

LEMAR
UMR 6539 Laboratory of
Marine Environmental
Sciences (CNRS, IRD,
Ifremer)

LETG
UMR 6554 Coastline,
Environment, Teledetection,
and Geomatics (CNRS, Univ
Nantes, UR2, UBS, Univ
Caen, Univ Angers, EPHE)

LOPS
UMR 6523 Physical and
Spatial Oceanography
Laboratory (CNRS, IRD,
Ifremer)

International Research Units

BEBEST
French-Quebec International
Research Project (IRP) of
research and technological
development in benthic
ecology (CNRS, IRD, Ifremer)

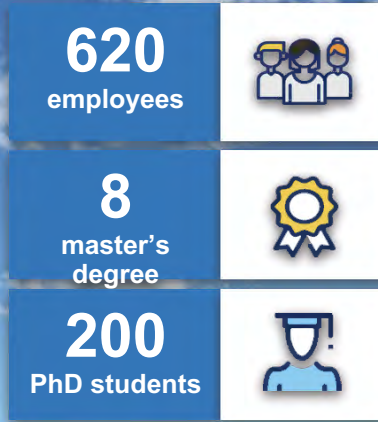
CLIMCLAM
French-Italian IRP studying
the impact of global change
on aquaculture (CNRS)

ICEMASA
LMI Center for Education,
Marine and Atmospheric
Sciences over Africa (CNRS,
IRD, Ifremer)

MICROBSEA
Sino-French IRP Laboratory
for Deep-Sea Microbiology
(CNRS, Ifremer)

IUEM

Observatory of the Sciences of the Universe (OSU)
Research centre, Marine research station



ISBLUE

UBO in-house
graduate school





Success stories in marine sciences



Innovation Medal
CNRS - 2023

Claire HELLIO

Professor - UBO LEMAR

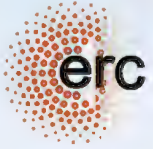


**Innovative bio-inspired solutions
and environmentally friendly,
from molecules derived marine organisms.**

ERC Starting Grant,
EARTHBLoom project - 2017

Stefan LALONDE

CNRS Research Associate - GEO-OCEAN



*2.94 billion
year old
stromatolite
sampled as
part of the
EARTHBL
OOM
project*

**Exploring the origins of photosynthesis,
3 billion years ago.**

Research
Units #2

Humanities & Social sciences



IBSHS

Brest Institute of Humanities and Social Sciences

Support and Research Units

Yves Le Gallo Library

UAR 3554 (CNRS)

MSHB

UAR 3549 Human Sciences Institute in Brittany (CNRS, UR, UR2, UBS, IMT-A, EHESP)

Research Units

CECJI

Centre for the Study of Correspondence and Diaries

CFV

Centre Francois Viète (Univ Nantes)

CRBC

Centre for Breton and Celtic Research

CREAD

Research Centre for Education, Learning and Didactics (UR2)

Geoarchitecture

Territories, Urbanisation, Biodiversity, Environment (UBS)

HCTI

Heritage and Creation in Text and Image (UBS)

LABERS

Laboratory of Study and Research in Sociology (UBS)

LAB-LEX

Law Research Laboratory (UBS)

LEGO

Economics and Management Laboratory of Western Brittany (UBS, ITM-A)

LP3C

Psychology Laboratory: Cognition, Behavior, Communication (UBS, UR2)



Success stories in Humanities and Social sciences



ERC Consolidator Grant,
Ospapik project - 2023
Géraldine LE ROUX
Senior Lecturer - UBO CRBC



**Ocean and Space Pollution,
Artistic Practices
and Indigenous Knowledges**

H2020 Marie Sklodowska-Curie,
Digitens - 2019-2022
Kimberley PAGE JONES
Senior Lecturer - UBO HCTI



**Digital encyclopedia
of British Society
in the Eighteenth Century**

Research Units #3

Health / Agro-Environment Materials

IBSAM Brest Institute of Health - Agro-Environment - Materials

Research Units

CEMCA UMR 6521 Molecular Chemistry, Electrochemistry and Analytical Chemistry Laboratory (CNRS)

GETBO UMR 1304 Thrombosis Study Group of Western Brittany (INSERM)

GGB UMR 1078 Genetics, Functional Genomics and Biotechnologies (INSERM, EFS)

LATIM UMR 1101 Laboratory Medical Information Processing (INSERM, IMT-A)

LBAI UMR 1227 B Lymphocytes and Autoimmunity (INSERM)

LUBEM USC 1504 Microbial Biodiversity and Ecology University Laboratory (INRAE)

CIC 1412 Brest Clinical Investigation Centre (Brest University Hospital, INSERM)

GEIHP Host-Pathogen Interaction Study Group (Univ Angers)

LIEN Laboratory for Epithelial-Neural Interaction

OPTIMAG Optics and Magnetism Laboratory

ORPHY Optimisation of PHYsiological Regulations

SPURBO Primary care, Public Health and Cancer Registry of Brittany

Research
Units #3

Health Agro- Environment Materials

IBSAM

Brest Institute of Health - Agro-Environment -
Materials

Research Units

CEMCA

UMR 6521 Molecular Chemistry,
Electrochemistry and Analytical Chemistry
Laboratory (CNRS)

GETBO

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OPTIMAG

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ORPHY

Optimisation of PHYsiological Regulations

SPURBO

Primary Care, Public Health and
Cancer Registry of Brittany

Success stories in Health - Agro-Environment - Materials



**GOLD GenOmics variability
in Health & Disease - 2021**
Emmanuelle GENIN
Research Director - INSERM GGB

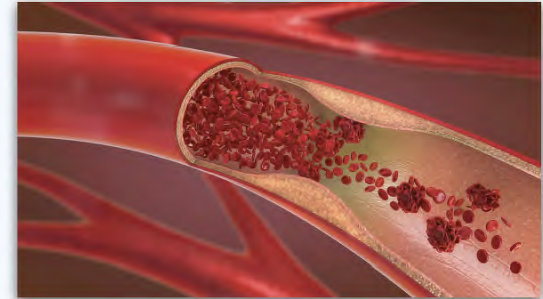
Inserm
Le science pour la santé
From science to health



**Understanding how genes play a role
in the emergence and spread of diseases**



**Call for proposals,
the EU-funded MORPHEUS
project - 2023**
Francis COUTURAUD
PU-PH UBO GETBO



**Improving prognosis of Pulmonary Embolism
and Deep Vein Thrombosis**

Research Units #4

ICT and Mathematics

IBNM Brest Institute of Numerical Analysis and Mathematics

Research Units

LAB-STICC UMR 6285

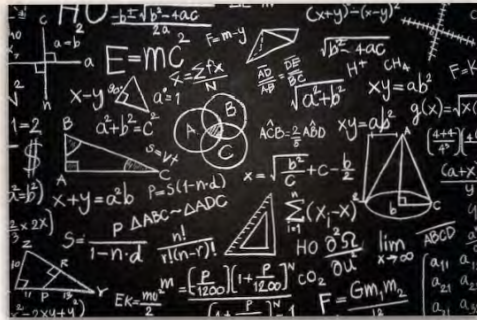
Laboratory in Information Sciences and Technology, Communication and Knowledge (CNRS, IMT-A, ENSTA Bretagne, ENIB, UBS)

LMBA UMR 6205 Laboratoire de Mathématiques de Bretagne Atlantique (CNRS, UBS)

Success stories in ICT and Mathematics



PEPR Maths Vives - 2023
Co-leader Vincent Calvez
CNRS Research Director LMBA



The development of mathematical theories, models and tools for a better understanding and grasp of the major issues of the 21st century.



Transversal UAV Program
(Radar, Sensor, Cyber)
Cédric Quendo and Jean-Philippe Babau
Professors - UBO LABSTICC



THALES

Joint laboratories
LATERAL: Thalès
CORMORANT: Naval Group

NAVAL
GROUP

Europe & International



HR EXCELLENCE IN RESEARCH

UBO's implementation of the European Human Resources Strategy for Researchers in the European Union*.

108
Nationalities



2550
Students
incoming



1000
Students
outgoing



400
Mobility
agreements



100
International
conventions



2022/2023 Academic Year Data - Sources: DEVE - DPI
*HRS4R - Human Resources Strategy For Researchers



123,000
Students

University of Western Brittany (France)

University of Algarve (Portugal)

University of Cadiz (Spain)

University of Naples (Italy)

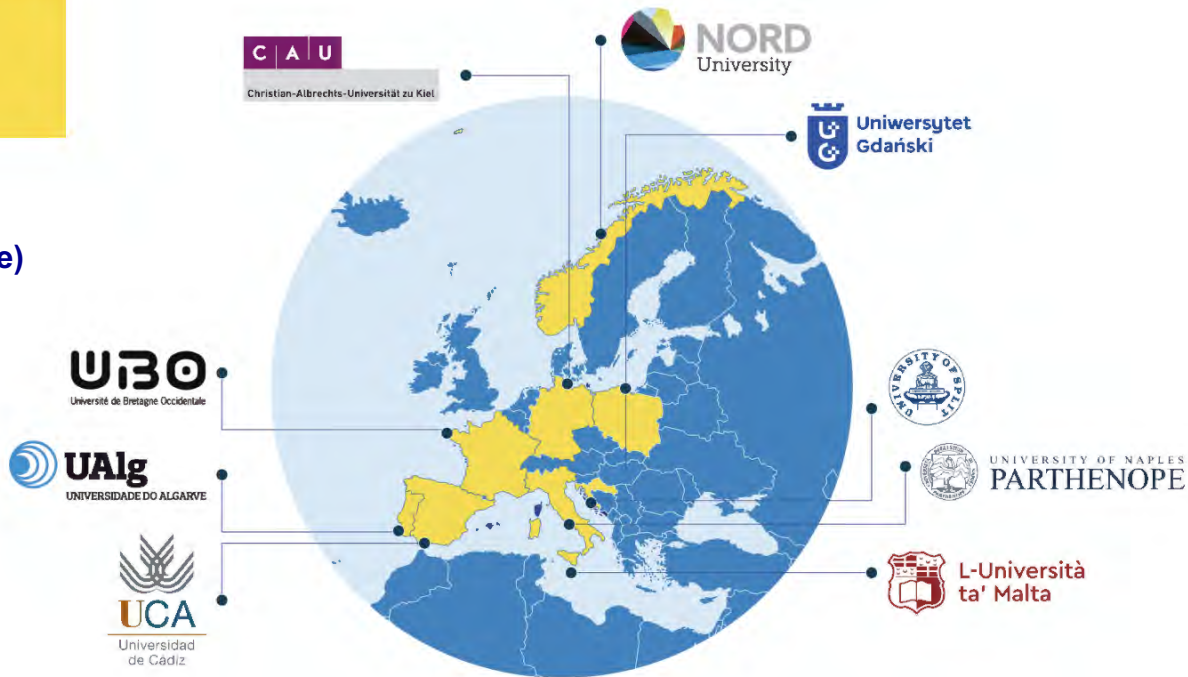
University of Malta (Malta)

University of Split (Croatia)

University of Gdansk (Poland)

University of Kiel (Germany)

University of the North (Norway)



Mobility - European citizenship - Sustainable development.

Times Higher Education 2024:



800+ international

15th French universities

Thematic ranking for **oceanography**:



SHANGHAI
RANKING

5th international

2nd French

Our Courses

A wide range of degrees can be found at

formations.univ-brest.fr



85 Master's degrees

70 Bachelor's degrees

16 Vocational bachelor's degree

54 University Degrees in Health Sciences

14 two-year Technology degrees (DUT)

24 MEEF Master's degrees

4 Advanced Training in Medical Sciences Diplomas

2 Engineering degrees

1 DEUST (Scientific and Technical University Diploma)

Finistère: economic and social impacts

UBO > 2,483 employees

2740
new jobs
generated

€143.5 M

Student centred expenditure

€94.4 M

Human Resources expenditure

€24 M

UBO expenditure (OpEx)

€10 M

UBO expenditure (Inv)

Total expenditure

€271.9 M

7,366

Diplomas awarded

DUT > 857
Bachelor's Degrees > 2,451
Vocational Bachelor's Degrees > 706
Master's Degrees > 1230 + 434 (MEEF)
Doctorates > 100

1,405 on-the-job training students (OJT's)
5865 CE interns
76 V.A.E

Revenues

€12.6 M

Training programs in English

Full semester in English at the BACHELOR Level

- Bachelor's degree in Economy and Management
- Vocational bachelor's degree for careers in international trade

Full program at the MASTER'S level

- Master's degree in Marine Biotechnologies
- Master's degree IMBRSea (International Master in Marine Biological Resources)
- Master's degree in Marine Physics
- Master's degree in Celtic Studies
- Master's degree TILE (Texts, Images and Foreign Literature)
- Master's degree in Computer Science: Interactive, Autonomous and Intelligent Systems





6

faculties

Law, Economics, Management and Economics and Social
Administration (AES)
Humanities and Social Sciences
Medicine and Health Sciences
Dentistry
Sport and Education Sciences
Science & Technology

7

institutes

INSPE

Higher National Teacher Training and Education Institute of
Brittany

IAE

Brest Business Administration Institute

IPAG

Training Institute for Civil Service Careers

IUT, Brest-Morlaix

University Institute of Technology, Brest-Morlaix

IUT Quimper

University Institute of Technology, Quimper

IUEM

European Institute for Marine Studies

EURIA

Euro-Institute for Actuarial Studies

3

Medical Schools

**SPEECH AND
LANGUAGE
THERAPY
SCHOOL**

136 students

**MIDWIFERY
SCHOOL in
partnership with
Brest University
Hospital**

95 students

**PHYSIOTHERAPY
TRAINING INSTITUTE in
partnership with Brest
University Hospital**

30 students



An aerial photograph of a coastal town and harbor. The town is built on a peninsula, with a large bridge crossing the water. The harbor is filled with numerous boats and yachts. The water is a deep blue, and the sky is bright with scattered clouds. The overall scene is a mix of urban development and natural beauty.

UBO

Université de Bretagne Occidentale