Progress, Innovate, Initiate
Implementation research is a key priority at the Université de Rennes 1; a distinctive mark which brings the five-century-old University international and business renown.

As a pioneer in knowledge, the Université de Rennes 1 is a leader in lifelong learning. This innovative role involves major responsibilities towards the general public and makes the Université de Rennes 1 a key player in the region’s socio-economic and cultural development.

The University’s ethos of high expectations, open-mindedness and innovation is reflected in prestigious courses which enable our students to successfully integrate their chosen professional sectors. We apply our expertise, both in France and internationally, to meeting societal challenges - such as the digital revolution, sustainable development, health and security – and we develop partnerships to promote exchange and encourage research implementation.

David Alis, president

29,000 STUDENTS

A UNIVERSITY WITH A GLOBAL REACH...

- 13% international students
- 125 nationalities
- +1,000 of our students spend part of their studies abroad each year
- Leading-edge scientific exchanges across the globe

...AND COMMITTED TO REGIONAL DEVELOPMENT

- 3 campuses in Rennes, 6 locations in Brittany
- In a stimulating and creative region renowned for its quality of life
- The Université de Rennes 1 is a key socio-economic leader and generates economic benefits of €388m in the region1

12,000 GRADUATES/YEAR
92% OF GRADUATES IN EMPLOYMENT1

1. Professional degree, master and PhD graduates. 36 months after graduating | OSIPE, ORESB (2016)
2. 2013 figures - Audiar | November 2016
A RESEARCH-INTENSIVE UNIVERSITY

- Mathematics
- ICT
- Material Sciences
- Life and environmental Sciences
- Humanities and Social Sciences

89% of laboratory teacher-researchers collaborate with national research laboratories

32 LABORATORIES

A RENOWNED UNIVERSITY

**TOP 150** ranking for Mathematics
**TOP 200** ranking for Chemistry (ARWU, 2015)
**TOP 100** ranking for most innovative European universities (Reuters, June 2016)

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<td>QS World University Rankings</td>
<td>THE World University Rankings</td>
<td>Best Global Universities</td>
<td>NTU Ranking</td>
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Our foundation was created in 2010 to bridge the gap between the University and businesses and encourage innovation and regional development

- **€7M** in funding
- **7** founder members, **315** partners and sponsors

STRONG TIES WITH THE SOCIO-ECONOMIC SECTOR

HUMAN RESOURCES

- **3,739** teaching and research staff
- **1,853** teacher-researchers and teachers
- **1,589** librarians, engineers, administrative staff, technicians, social and health staff
- + **297** researchers from research institutions

2016 BUDGET: €290.5M

- **RESOURCES**
  - Own revenue: 18.4%
  - State grant: 71.3%
  - Local authorities and public bodies: 10.3%

- **EXPENSES**
  - Operations: 24.7%
  - Investments: 6%
  - Payroll: 69.3%

- **ASSETS**
  - €104M allocated to training
  - €102.8M allocated to research

- **370,828m²** of constructed land:
  - **168** buildings on **147.75ha**
  - **36%** of property dedicated to teaching, **32%** to research
TRAINING

47,000 students
+ 15% in 5 years

Per subject*

Science, Engineering & Technology
ISTIC (Faculty of Computer Science and Electronics), ENSSAT (School of Applied Science and Technology), ESIR (Rennes School of Engineering), OSUR (Rennes Scientific Observatory), Faculties of Mathematics, of Life Sciences & Environment, of Science & Properties of Matter

Lannion, Rennes, Saint-Brieuc and Saint-Malo IUT (University Institute of Technology)

HUMANITIES AND SOCIAL SCIENCES
Faculties of Law & Political Science, of Economics, of Philosophy

IGR-IAE (Graduate School of Management), IPAG (Public Administration School)

HEALTH
Faculties of Medicine, of Pharmacy, of Dentistry

“Revealing the women and men who are building our future world”

29,000 STUDENTS
+ 15% IN 5 YEARS

Per subject*

Science, Engineering and Technology 33.3%

Humanities and Social Sciences 38.9%

Health 27.8%

Non-residential and Health Studies: 10.2%
DUT: 12.5%
Bachelor’s degrees: 31.6%

1st CYCLE
54.4%

2nd CYCLE
30.7%

3rd CYCLE
14.9%

*excluding off-cycle courses
1. Undergraduate technology degree
2. First joint year of health studies

Per course level*

6,642 VILLEJÉAN Health campus
387 students on off-site courses

8,756 CENTRE Law-Economics-Management campus

8,883 BEAULIEU Science and philosophy campus

RENNES 24,281
CONTINUING EDUCATION
2015 turnover: €7.5M
2,901 continuing education trainees,
980 of whom are taking short vocational training courses
101 VAE graduates (acquired experience validation)

1st certified continuing-education university service

House for Science - for teachers in Brittany: more than 700 trained teachers and more than 70 committed researchers and trainers

54 BLOCK-RELEASE COURSES

PROFESSIONAL INTEGRATION
92% of graduates in employment

8,269 internships carried out by university students
More than 500 partner businesses and 110 classes sponsored by Foundation Rennes 1 business members

54 block-release courses

Apprenticeship contract
Professionalisation contracts

1032
1106

80% of professional degree graduates occupy permanent contracts, median wage €1,454€
Average time spent looking for 1st job: 1.6 months, median wage €1,300€
64.5% are employed in the public sector, 42% work abroad, median wage €2,050€

STUDENT ENTREPRENEURSHIP

321 students on board
478 trained entrepreneurs
7 entrepreneurship courses

EIT DIGITAL MASTER SCHOOL:
European entrepreneurial education and innovation programme

IN-CUBE: student startup incubator


The Rennes Beaulieu Digital Pole is at the heart of the Campus numérique de Bretagne: a hub of digital, educational, innovative and entrepreneurial activities

Digital and educational at the forefront of innovation

3 Fablabs
3,700 online spaces
900 university education and digital trained teachers

2 GRANDE ÉCOLE DU NUMÉRIQUE certified courses
A RESEARCH-INTENSIVE UNIVERSITY

89% of laboratory teacher-researchers collaborate with major national research laboratories

CUTTING-EDGE LABORATORIES AND EQUIPMENT

32 research units
4 federal research structures
37 certified research platforms

3,000 SCIENTISTS ON CAMPUS

1,155 teacher-researchers and university researchers
180 support staff (engineers and contract researchers)
+ 554 teacher-researchers and associated institutional researchers

1,078 PhD students, 291 of whom are 1st-year thesis students
39% international PhD students
233 theses presented in 2015

35 Institut Universitaire de France members
4 CNRS (French National Center for Scientific Research) silver medals and 14 CNRS bronze medals over the past 10 years
13 ERC grantees (European Research Council scientific excellence grant) within our laboratory staff since 2007
INVESTMENTS FOR THE FUTURE

25 Université de Rennes 1 projects:
5 excellence laboratories (LABEX): mathematics, IT and communications science and technology, health and health technology
4 excellence facilities (EQUIPEX)
1 technology research institute (IRT b<>com)
1 technology transfer booster (TTO)

35.4% of the university’s budget is allocated to research: €102.8M (2016)
€23.2M contracted resources,
€4M of which are European Horizon 2020 projects

University committed to a strategic Human Resources approach for researchers, in accordance with the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers

COLLABORATIVE RESEARCH & TECHNOLOGY TRANSFER

Annual turnover: €5.8M
123 industry-collaboration agreements
193 patent families, 134 software solutions,
54 transfer contracts
4 joint university-business laboratories

FOUNDATION RENNES 1
€7M in funding
1 company and 6 research and training chairs

CONTRIBUTING TO THE INNOVATION ECOSYSTEM

5 startups created in 2015
7 Université de Rennes 1 laboratory startups won the I-Lab competition
Competitiveness centres:
IMAGES & NETWORKS (digital), VALORIAL (food innovation)
RENNES ATALANTE Technopole
Rennes-Saint-Malo FRENCH TECH
OUEST VALORIZATION TTO
IRT B<>COM, hypermedia innovation, ultra-high speed networks and e-health

OUR AREAS OF EXPERTISE

DIGITAL
ENVIRONMENT
BIOLOGY-HEALTH
MATERIAL SCIENCES
LAW-POLITICAL SCIENCES
ECONOMICS-MANAGEMENT

Isabelle Cantat, ERC Consolidator Grant
“Broadening horizons, making progress together, enhancing international visibility”

**3,191 INTERNATIONAL STUDENTS**

**INTERNATIONAL RESEARCH AND COLLABORATION**
- Joint international research unit in Japan (with Saint-Gobain)
- International Associated Laboratories (with the CNRS and Inserm - French National Institute of Health and Medical Research)

Key partners: Brazil, Canada, China, Japan, the Lebanon, Poland, Vietnam

**EUROPEAN PROGRAMME**
- 33 H2020 projects granted for our co-supervised laboratories, 17 of which receive Université de Rennes 1 sponsorship of over €10M
**STUDENT MOBILITY**

3,191 international students from 124 countries; 13% of student total

440 students studied at the Université de Rennes 1 as part of an exchange programme

**TOP 5** countries of origin: European Union, China, Vietnam, Brazil, Turkey

1,105 Université de Rennes 1 students went abroad:

- 709 for internships
- 396 for exchanges

**TOP 5** destinations: UK, Canada, Spain, Ireland, Germany

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**OUR INTERNATIONAL COURSES**

- **12** Masters available in English
  - One L3 Economics and Biology semester taught entirely in English
  - 3 double degrees, 2 of which are delivered under the aegis of the Franco-German University

- **307** students registered on off-site courses

**High-level international courses**

- **MAMASELF**: European Master in Materials Science Exploiting Large scale Facilities (Erasmus Mundus)
- **EUROPUBHEALTH**: European public Health Master (Erasmus Mundus)
- **IMABEE**: International MAster of Biodiversity Ecology and Evolution
- **EIT DIGITAL**: Master School & Doctoral training centre

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**WELCOME TO RENNES**

RENNES INTERNATIONAL MOBILITY CENTRE: a dedicated welcome and assistance team for international students and researchers (administrative and accommodation support, etc.)

The Paul Ricœur international residence in the heart of Rennes provides accommodation and catering for international researchers.
CAMPUS NUMÉRIQUE (DIGITAL CAMPUS) IS THE ONLY ONE OF ITS KIND IN EUROPE

54 classrooms and telepresence lecture halls throughout Brittany, 19 of which are on the Université de Rennes 1 campuses

2,500 free-access computers

134 computer rooms

IT and Internet National Certificate (C2i): over 50% of trained students certified during the 1st cycle

SUSTAINABLE AND COHESIVE CAMPUSES

1 Agenda 21 action plan and 1 Water-Energy master plan

28% grant students

A free-medical fee health centre

Assistance for 366 disabled students

Remarkable heritage: 7 scientific collections of over 1.3 million specimens

CAMPUS FOR LIVING

The Diapason: concert hall, exhibition venue and cafeteria which hosts 120 events per year => 26,000 spectators

51 university associations

€234,826 allocated to student initiatives (solidarity development funding for student initiatives)

46 sporting activities

35 sports facilities: athletics track, golf practice course, gymnasiums, weight-lifting facilities, climbing walls, dojos, tennis courts and sports fields, etc.

27 high-profile athletes and 14 French University Championship medals

CAMPUS FOR STUDYING

3 university libraries in Rennes and 21 local libraries => Over 1M visitors

120,000 document loans in 2015

3.5M online documents consulted

Connected study rooms open evenings and weekends

“Thriving as a student”

Remarkable heritage: 7 scientific collections of over 1.3 million specimens
RENNES, WESTERN FRANCE’S UNIVERSITY CAPITAL

8th largest French university city
Rennes welcomes 64,500 students
and two-thirds of researchers in Brittany
in 2 universities and 17 leading business schools.
It is the Université Bretagne Loire headquarters
- a university and institutional community which
develops regional scientific and academic potential
on a national and international level

Synergies which attract innovative businesses and R&D centres

BRITTANY IS COMMITTED TO RESEARCH AND INNOVATION

5th largest French region in terms of research
and development staff
1st European food industry and 5th French
industrial region
Digital: 2nd highest national ranking for employment
and 35% of French public research
2nd largest national telecommunications hub
and 5th largest French region for electronics
Cybersecurity reference pole
Health technology, French imaging and e-health
leader with unique biotechnology expertise
Ground-breaking environmental expertise:
water quality treatment and management,
waste treatment and recycling, renewable
energies, eco-bio-resources, health and
environment, Green IT

RENNES CITY: INTELLIGENT, ENTERPRISING AND CREATIVE

HIGHLY REPUTED QUALITY OF LIFE
ONLY 1.5HRS FROM PARIS
2nd preferred student city in France1
1st French city for quality of life2
Best French city for expats3
One of the top 10 best French cities in which
to live (7th) and work (3rd)

ATTRACTION CITY WHICH ENCOURAGES INNOVATION AND BUSINESS DEVELOPMENT
Best city for entrepreneurship4
A concrete network: SMEs, SMIs, mid-market
companies, startups, decision-making centres and
international brands R&D (Canon, Lactalis, Le Duff,
Mitsubishi Electric, Orange Labs, Technicolor, etc.)

A REGIONAL DIGITAL DNA
3rd largest French city for digital job creation5
2,000 ICT researchers in Brittany
French Tech approval for the Rennes/Saint-Malo region

1. L’Étudiant, September 2016
2. European Commission TNS Opinion study, 2016
3. The Local, June 2016
4. L’Express, January 2017
5. L’Express - L’Entreprise, March 2016 - Cities with populations
of 200-500,000 inhabitants
From the ducal University of Brittany to the Rennes University

1461 - Creation of the University of Brittany of which Université de Rennes 1 is the direct successor
1735 - Law Faculty transfer to Brittany parliament in Rennes
1803 - Creation of a school of medicine which became the Medicine and Pharmacy Faculty
1808 - Imperial university founded in Rennes incorporating seven regional departments
1810 - Creation of an Arts Faculty
1839 - Creation of a Science Faculty
1896 - The regional education authority’s faculties and higher-education institutions form the Rennes University

The road to independence

1984 - The Université de Rennes becomes Rennes 1, the Université de Haute Bretagne, Rennes 2
1986 - ENSSAT opening and incorporation by decree of the Rennes National School of Chemistry
1989 - Incorporation by decree of the Rennes Institute of Political Studies (Sciences-Po Rennes)
1993 - A branch of the Lannion IUT is opened in Saint-Brieuc, future Saint-Brieuc IUT
1994 - A branch of the Rennes IUT is opened in Saint-Malo, future Saint-Malo IUT

The story goes on...

2007 - The Université de Rennes 1 is a founding member of the Université Européenne de Bretagne (Research and Higher Education hub)
2010 - Greater responsibility and authority given to the university, ESIR opening and launch of the Foundation Rennes 1
2013 - Incorporation by decree of the École Normale Supérieure de Rennes to the Rennes universities
2016 - Université de Rennes 1 becomes a member of the Université Bretagne Loire (Community of universities and institutions).