



université  
de **BORDEAUX**

## Multidisciplinary

### International outlook

Law, Political Science,  
Economics, Management

Science and Technology

**Doctoral studies**

U25

**Campus life**

Partnerships & networks

**Bordeaux**

EU labels of excellence

Internationalization @home

## Research-intensive

Health Sciences

Human Sciences

**Talents**

Promotion

Vine and Wine Sciences

Laboratories

Welcome services

**Clusters of excellence**

# Content

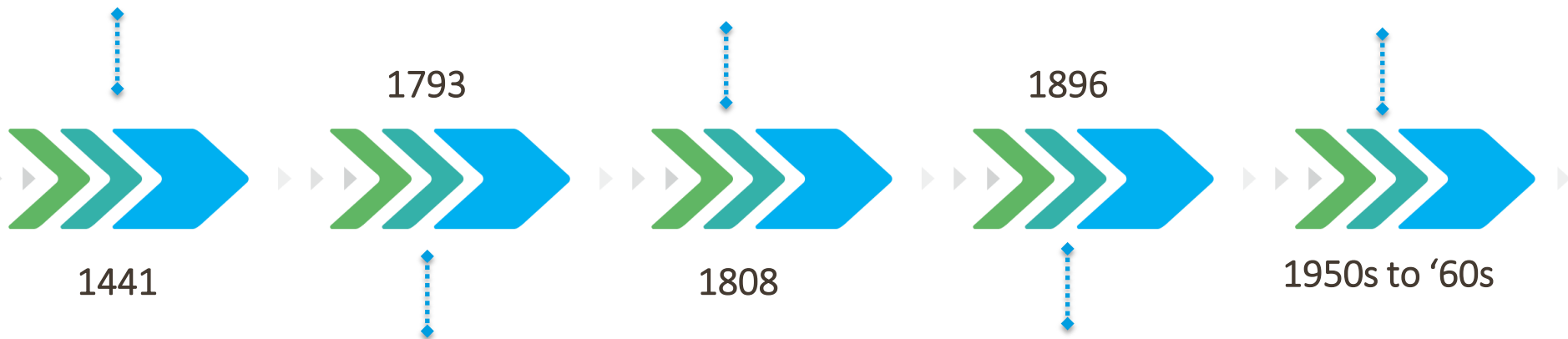
- › History
- › Strategy & governing body
- › Facts & figures
- › Education & research
- › International outlook
- › Campus of excellence
- › Campus life
- › Bordeaux and the region of Aquitaine

# History: looking back...

The University of Bordeaux is created by Pope Eugene IV with four main faculties - arts, medicine, law and theology.

Napoléon Bonaparte reorganizes the University of Bordeaux into three faculties: theology, arts and science.

The number of students registered progresses from 8,000 to 25,000.



All the universities in France, including the University of Bordeaux, are abolished by the French revolutionaries.

French universities are organized into four faculties: law, arts, science and medicine.

# History: looking back...



The University of Bordeaux is subdivided into three separate universities: Bordeaux 1 (law, economy, science), Bordeaux 2 (life, social, health sciences), Bordeaux 3 Michel de Montaigne (arts, human sciences).

Together the four Universities of Bordeaux create a consortium, the first “pôle universitaire”.



1995

2007



1968

1996



University Bordeaux 1 becomes two separate universities.  
Bordeaux 1: science & technology,  
Bordeaux IV Montesquieu: law,  
social & political science, economy  
& management.

The research and higher education pole of the University of Bordeaux is created.



# History: looking back...

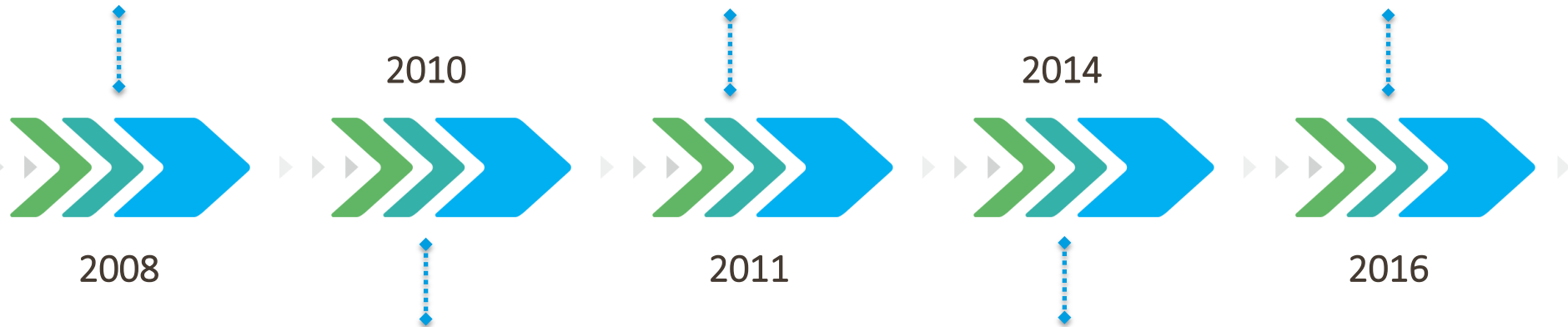


“Operation Campus”:  
538 M€ building  
renovation project.



“Initiative of Excellence”:  
endowment of 700 M€  
within the “Investments  
for the Future” program.

UBx is one of the first  
universities in France to  
obtain confirmation of  
the IdEx program.



2008

2010

2011

2014

2016

Bordeaux 1, Bordeaux 2 and  
Bordeaux 4 launch the  
process of creating a single  
and unique institution.

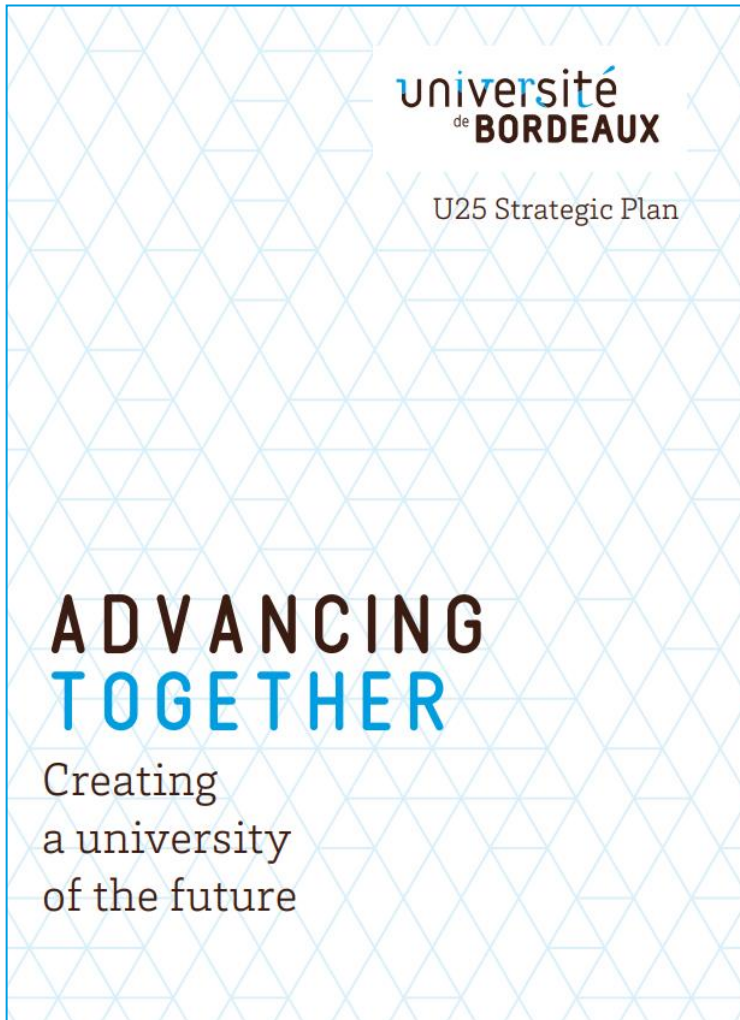
1st January 2014: 573  
years after its founding  
date, the University of  
Bordeaux is re-established.

université  
de BORDEAUX



# Strategy & Governing body

# U25 strategic plan



**Vision:** to be a **global leader** in higher education, research and knowledge transfer



**Mission:** by collaborating with **partners of all levels:** local, national and international.



# U25 strategic plan



**Themes:** focusing on actions that are to:

- › develop a **university of repute**,
- › transform the **academic experience** of our students,
- › drive exceptional **research, innovation and creativity**,
- › ensure **institutional efficiency**.

**Priorities:** guided by the core issues which are:



# Governing body: president and vice-presidents

## President

Manuel Tunon de Lara

### Vice-president Institutional affairs

Antoine de Daruvar

Vice-president  
Human resources  
Dean Lewis

Vice-president  
University heritage  
Serge Dulucq

Vice-president  
Continuous improvement  
Yves Ducq

Vice-president  
Digital  
Guy Melançon

Officer  
Quality of  
work life  
Nicole  
Rascle

Officer  
Handicap  
Éric Dugas

Officer  
Parity,  
equality,  
diversity,  
Marion  
Paoletti

### Vice-president Education, campus and civic life

Sandrine Rui

Vice-president  
Academic counselling, high school  
relations and career guidance  
Isabelle Rondot

Vice-president  
Lifelong learning  
Cécile Bébéar

Vice-president  
Student and campus life  
Anne-Marie Tournepeche

Vice-president  
Students  
Fanny Camps

### Vice-president Research

Philippe Moretto

Vice-president  
Innovation and  
industrial relations  
Éric Papon

Vice-president  
Strategy and development  
Hélène Jacquet

Vice-president  
Societal issues  
Sébastien-Yves Laurent

Officer  
Research  
structuring  
Julie Dechanet-  
Merville

Officer  
Research  
platforms  
Marc Bonneu

### Vice-president External relations

Stéphanie Debette

Vice-president  
Partnerships and territorial policy  
Olivier Pujolar

Vice-president  
International networks  
Laurent Servant

Vice-president  
Internationalization  
Joanne Pagèze



# Facts & figures

# Facts & figures



## Our students

- › + 56,000 students
- › 40%: Undergraduate
- › 23%: Postgraduate
- › 32%: Health degrees
- › 5%: Other degrees



3<sup>rd</sup> French university  
(based on n° students)



## Our staff

- › 5,900 staff members:  
3,200 academic and research staff  
and 800 research staff (external)

# Facts & figures



## Education

- › 150 Bachelor (incl. vocational) programs
- › 250 Master programs
- › 55 national diplomas in health



National diploma in *wine* science



Partnerships with national research institutes



## Research

- › 70 research laboratories
- › Graduate Research School with several Graduate Research Programs and 8 doctoral schools
- › 2,000 PhD students



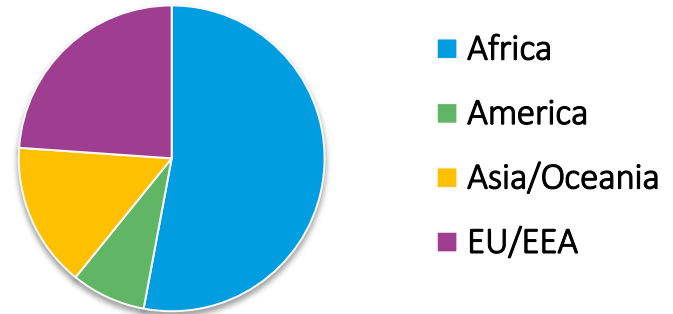
# Facts & figures: international



## Education

- › 7,200 international students
- › 60 international study programs at all levels  
incl. 18 EU-labeled programs
- › 700 partner universities in 80 countries
- › **Leading** university in France for Erasmus Mundus Program
- › 2,000 students each year with exchange mobility (incoming/outgoing)
- › Dedicated exchange programs with over 60 countries worldwide

*France boasts N°1 (non-English speaking) destination for international students. (2018)*



*International students 2017/2018*



# Facts & figures: international



## Research

- › 22 international research laboratories and  
3 cross-border joint laboratories as well as  
2 international joint research unit  
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- › 130 EU collaborative projects (H2020, KIC, etc.)  
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- 25 ERC grants (Bordeaux campus site)  
-----
- 30 Marie Curie grants (IF, ITN, RISE)  
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- › 900 international researchers / year  
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# Facts & figures: some of our international rankings



**Shanghai General Ranking 2019: 201-300**  
*(within the top 14 of French universities)*

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## Times Higher Education

Young University Ranking 2019: **87**

Europe Teaching Ranking 2019: **126 -150**

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**CWTS Leiden** Ranking 2018: **171**  
*(190 in 2017)*

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## Reuters' ranking 2019

Europe's Top 100 Innovative Universities: **24**  
*(30 in 2018)*

World's Top 100 Innovative Universities: **80**







# Education & research

# Education: four colleges

## SCIENCE & TECHNOLOGY

- › 9,600 students
- › 660 academic staff
- › 7 faculties
- › 73 degrees delivered

*Biology, chemistry, physics, engineering science, computer science, math, environment, geology, oceanography*

*P. Lecroart*

## HEALTH SCIENCES

- › 18,500 students
- › 350 academic staff
- › 4 faculties, 3 institutes
- › 108 degrees delivered

*Medicine, dentistry, pharmacy, public health, life science (dedicated to health-related issues), paramedical training*

*J. L. Pellegrin*

## LAW, ECONOMICS, POLITICAL SCIENCE, MANAGEMENT

- › 15,000 students
- › 430 academic staff
- › 2 faculties, 2 institutes
- › 155 degrees delivered

*S. Maveyraud*

## HUMAN SCIENCES

- › 4,300 students
- › 150 academic staff
- › 5 faculties
- › 65 degrees delivered

*Sociology, psychology, social anthropology, ethnology, educational science, sports*

*V. Postal Le Dorse*

# Education: three institutes

## SCHOOL OF EDUCATION

- › 2,300 students
- › 180 academic staff
- › 5 sites

*Mérignac, Bordeaux-Caudéran, Périgueux, Mont de Marsan, Agen et Pau*

*J. Mikulovik*

## UNIVERSITY INSTITUTE OF TECHNOLOGY

- › 4,300 students
- › 16 specialties
- › 4 sites

*Agen, Bordeaux Bastide, Gradignan, Périgueux*

*F. Bos*

## INSTITUTE OF VINE & WINE SCIENCE

- › 400 students
- › 250 researchers
- › 1 technology transfer unit

*A. Blanchard*



# Research: organization

## RESEARCH DEPARTMENTS

11 research departments:

- › Social sciences of contemporary changes (*E. Macé, M. Coris*)
- › Behavior, organizations and policy evaluation (*O. Bargain, J. Cusin*)
- › Law and social transformations (*O. Décima, A. Pariente*)
- › Bordeaux Neurocampus (*N. Sans*)
- › Biological and medical sciences (*A.P. Gadeau*)
- › Public health (*R. Thiébaud, C. Tzourio*)
- › Health sciences and technologies (*G. Guichard*)
- › Environmental sciences (*J. Joubes, M. Baudrimont*)
- › Engineering and digital sciences (*H. Bertin*)
- › Material and light sciences (*J.B. Verlhac, F. Hannachi*)
- › Archeological sciences (*B. Maureille, W. Banks*)



# Research: organization

## GRADUATE RESEARCH SCHOOL

8 doctoral schools:

- › Law
- › Economic sciences, management and demographics
- › Mathematics and computer science, Science and environment
- › Physics and engineering
- › Health and life sciences
- › Chemical sciences
- › Society, politics and public health



3 Graduate Research Programs

- › Digital Public Health (*R. Thiébaud*)
- › Light Sciences and Technologies (*B. Lounis*)
- › Bordeaux Neurocampus (*C. Mulle*)

*R. Marthan*



# International outlook

# Internationalization that focuses on...



...three strategic axes:

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## 1. Internationalization @home

- › Develop **inclusive, high-quality, international** education for all
- › Provide efficient and reliable **welcome services** for our international students

## 2. International & European partnerships

- › Develop and structure our international education and research activities, based on solid, active collaborations with partner universities

## 3. International promotion

- › Boost the **visibility of our university** throughout the world via efficient communication channels, participation in international networks, staff ambassadors, etc.

# 1. Internationalization @home



## International education

### Propose international study options right from the start

- › Courses taught in a foreign language, cooperation with partner universities, student mobility, double degrees, etc.
- › Internationalization of the curriculum

### Attract international students on degree mobility

- › Study programs at Master level, taught 100% in English, awarded EU labels of excellence.

#### → Reach these objectives thanks to:

- Support (linguistic / pedagogical, financial, project management) for teachers
- Support (administrative, financial) for student mobility



*“International challenge” training program for teachers*

- › 28 international **Master** programs (5 Erasmus Mundus)
- › Over **30 double degrees**
- › Nearly **400** courses in **English**



# 1. Internationalization @home



## International research

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### Boost the attractiveness of Bordeaux

- › **Attract, develop and retain** talented researchers
- › Encourage researchers to participate in **international (& European) programs** (H2020)
- › Organize / structure our **international research partnerships** via formal networks (LIA, UMI)
- › Enhance the **reputation of Bordeaux** as an ideal host city for scientific events

### → Reach these objectives thanks to:

- “Talent” programs with multiple hosting opportunities
- **Welcome services** for international researchers
- **Administrative support** for international project development / management
- Support for the organization of major **scientific events**



*“International talents” programs*

### International Associated Laboratories

- › 20 LIA (Canada, China, India, Italy, Japan, Mexico, Russia, etc.)
- › 1 Joint Research Unit (UMI) with India

## 2. International & European partnerships



### Complementary approach

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**Bottom-up:** identify education / research projects within the academic community

**Top-down:** identify strategic partners / priority regions at an institutional level

→ Reach these objectives thanks to:

- “Bordeaux International Support” program: funding and guidance to boost collaborations (call for proposals)
- Global alliances, liaison offices, joint calls for proposals, mobility grants, visiting scholar program, etc.



#### Erasmus+ International Credit Mobility

- › 270K€ from the EC to support incoming/outgoing mobility with 3 targeted countries (Brazil, China, Serbia - 2018 / 2020)

## 2. International & European partnerships



### International partnerships

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#### *Strategic partners*

- › Université Laval, University of Waterloo, McGill University, University of California (LA), University of Cincinnati, University of Tsukuba, Kyoto University, National Taiwan University, Universidad del Pais Vasco.



#### *Priority regions*

- › Australia, Brazil, California, Canada, China, India, Japan, Spanish Basque Country, Taiwan



### European partnerships

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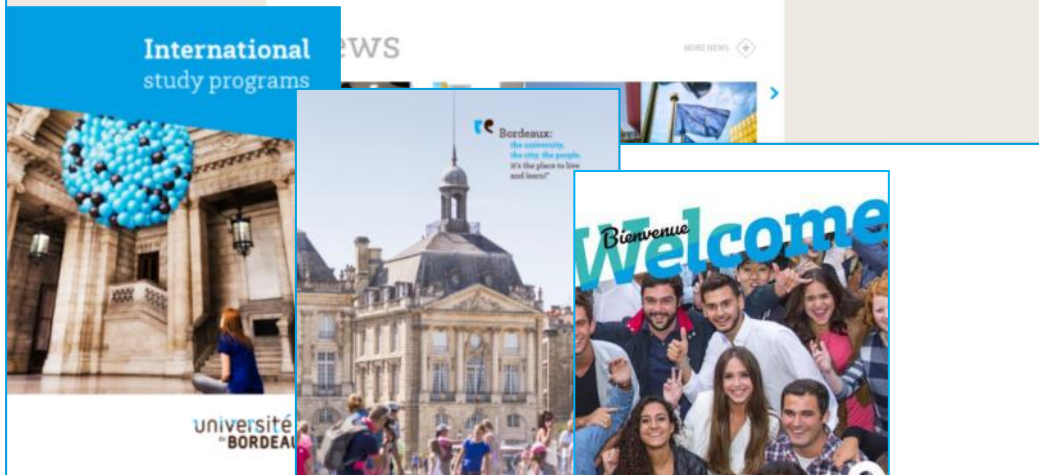
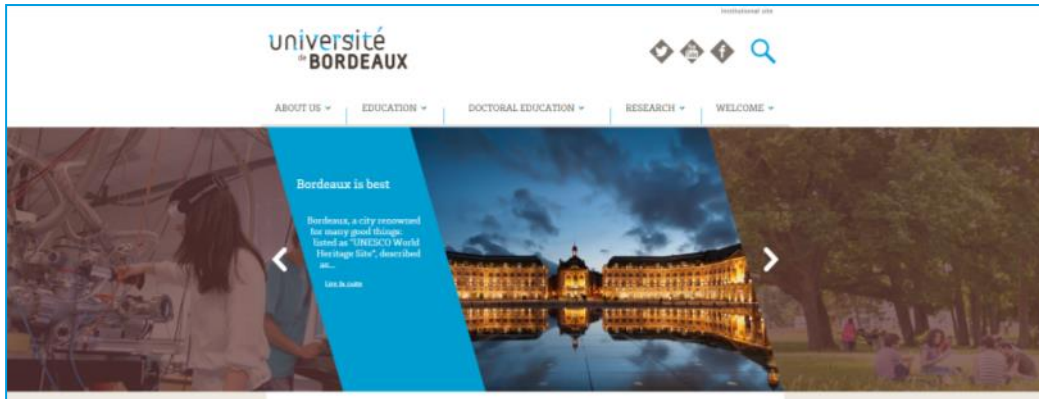
- › **300** partner European universities within the Erasmus+ program
- › **18** EU-labeled programs of excellence
- › Leading university in France for the **Erasmus Mundus program**

#### Erasmus+ Mobility

- › 400 incoming and 400 outgoing students per year

# 3. International promotion

Tools: *digital, print*



Networks:



Events: *conferences, sessions*





**Campus of  
excellence**

# Campus of Excellence



## “Investments for the Future”

*Promoting the development of knowledge and innovation within France*



## University of Bordeaux Initiative of Excellence

**2010**

*French government launches the “Investments for the Future” program*

**2014**

*Following the merger, launch of the University of Bordeaux that leads a Campus of Excellence policy with IdEx*

**2016**

*Confirmation of the University of Bordeaux IdEx program with an endowment of 700M€*

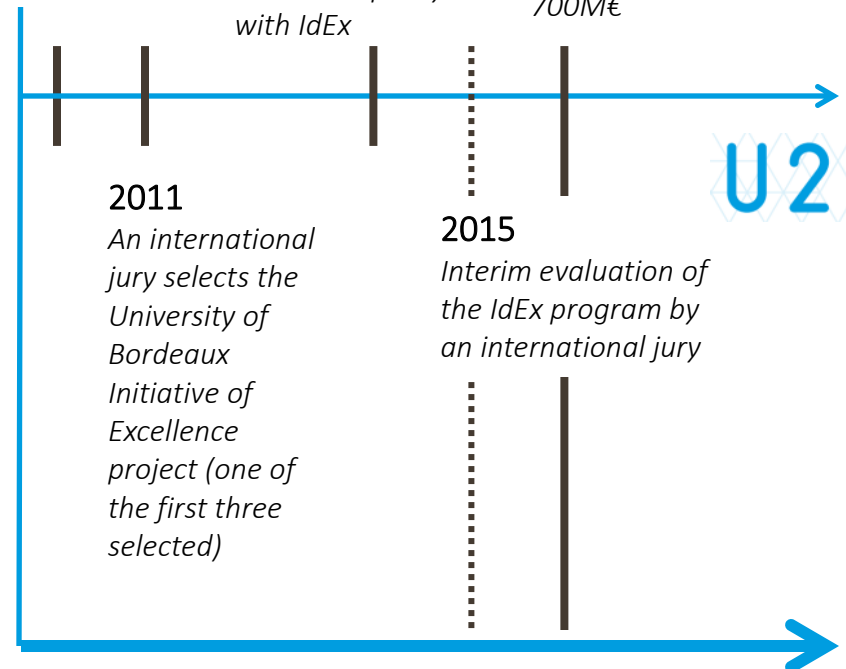
**2011**

*An international jury selects the University of Bordeaux Initiative of Excellence project (one of the first three selected)*

**2015**

*Interim evaluation of the IdEx program by an international jury*

**U25**



# Programs of excellence



Research  
challenges

Talent culture

International  
outreach

Innovative  
programs

Student  
empowerment

Socio-  
economic  
connections

# Clusters of excellence



**Archeology**  
*180 researchers*

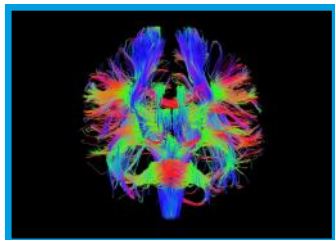


**Cardiology**  
*150 researchers*



**Laser and optics**  
*120 researchers*

**Medical imaging**  
*240 researchers*



**Environment & Climate**  
*300 researchers*



**Health and society**

**Neuroscience**  
*400 researchers*



**Advanced materials**  
*100 researchers*



**Digital certification**  
*220 researchers*





# Initiative of Excellence: our partners



## PARTNER RESEARCH BODIES



## PARTNER UNIVERSITY & SCHOOLS



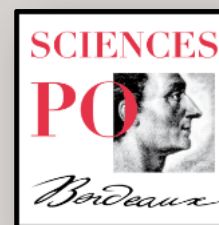
President  
Hélène VELASCO-GRACIET



General Director  
Marc PHALIPPOU



General Director  
Yves DELOYE



General Director  
Olivier LAVIALLE





# Campus life

# Campus sites

## THE REGION OF BORDEAUX

- 7 sites within the agglomeration:
- › Campus Talence - Pessac - Gradignan
  - › Bordeaux centre (Victoire + Pey-Berland)
  - › Bordeaux Bastide
  - › Bordeaux Carreire
  - › Mérignac
  - › Villenave d'Omon
  - › Floirac

## LE BARP

- › Laser & Plasma Institute (ILP)

## ARCACHON

- › Marine Station
- › Regular welcome sessions for off-site training programs (theoretical or supervised) for students of Human Sciences.

## MONT-DE-MARSAN

- › ESPE (Institute of Education) Aquitaine

## DAX

- › Balneology Institute

## BAYONNE

- › Professional University Institute (IUP) Sport, Management and Company Management (branch of STAPS Training Unit - Sciences & Techniques of Physical & Sport Activities)

## PAU

- › ESPE (Institute of Education) Aquitaine

## PÉRIGUEUX

- › Institute of Technology (IUT: marketing techniques, social careers, bio-engineering, chemical engineering)
- › Legal & Economic Studies Department of Périgueux (DEJEP)
- › ESPE (Institute of Education) Aquitaine

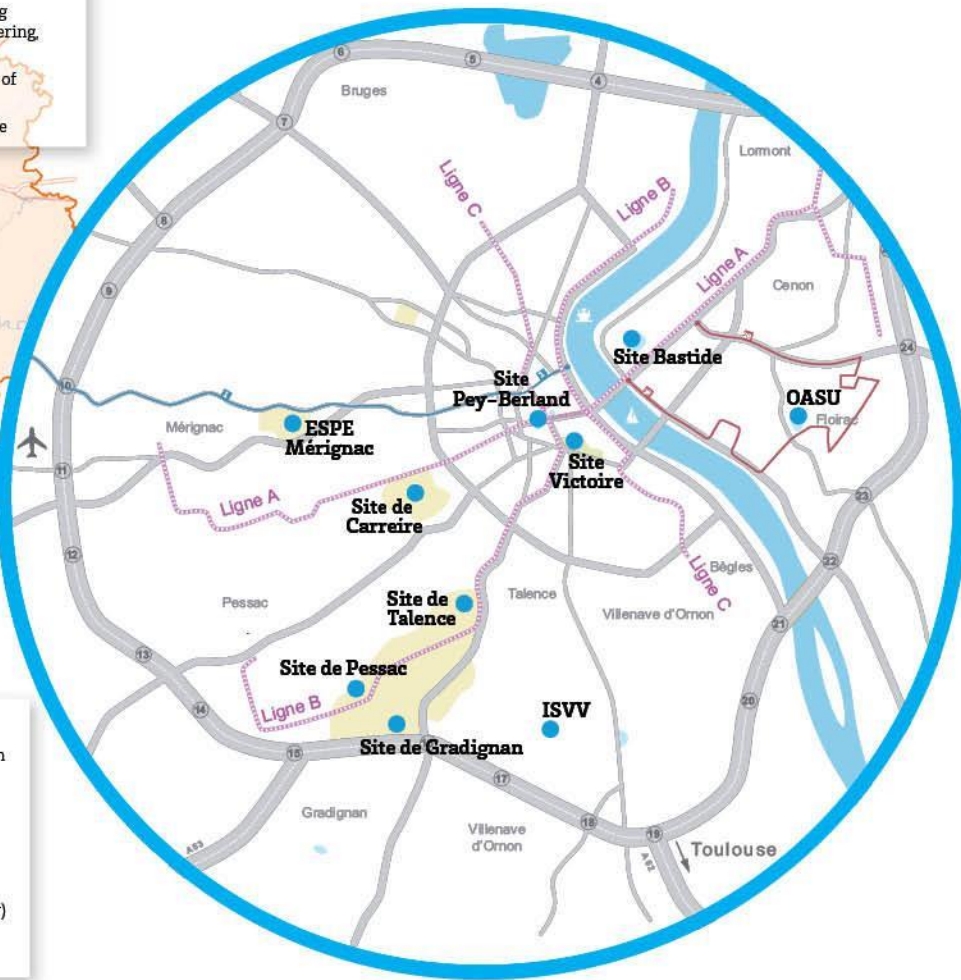
## LES EYZIES

- › Center of Anthropology and Prehistory - Maison François Bordes

## AGEN

- › Legal Studies Department Agen (DEJA)
- › University Department of Science Agen (DUSA)
- › Institute of Technology (IUT: administrative and sales management, industrial and organizational logistics quality)
- › ESPE (Institute of Education) Aquitaine

- › Training
- › Research
- › Campus



› 187 hectares: one of the largest campus sites in Europe



## Operation Campus Bordeaux

- › Building renovation project for living and working spaces
- › Budget: 538M€
- › Ongoing project until 2020
- › Partners: Ministry of Higher Education & Research, Aquitaine Region, Bordeaux Metropole, Caisse des Dépôts

# Campus life

- › 135 student associations
- › **Cultural events:** workshops, film debates, science cafés, lectures, exhibitions, concerts, shows etc.
- › **Artistic workshops:** dance, choral singing, drama, rock on the campus, photo lab, drawing/graphics, etc.
- › **Sports facilities:** Olympic swimming pool, football stadiums, sports hall, rugby pitches, sports rooms, bodybuilding room, athletics track, tennis courts and pelota walls, etc.



## University sports champion!

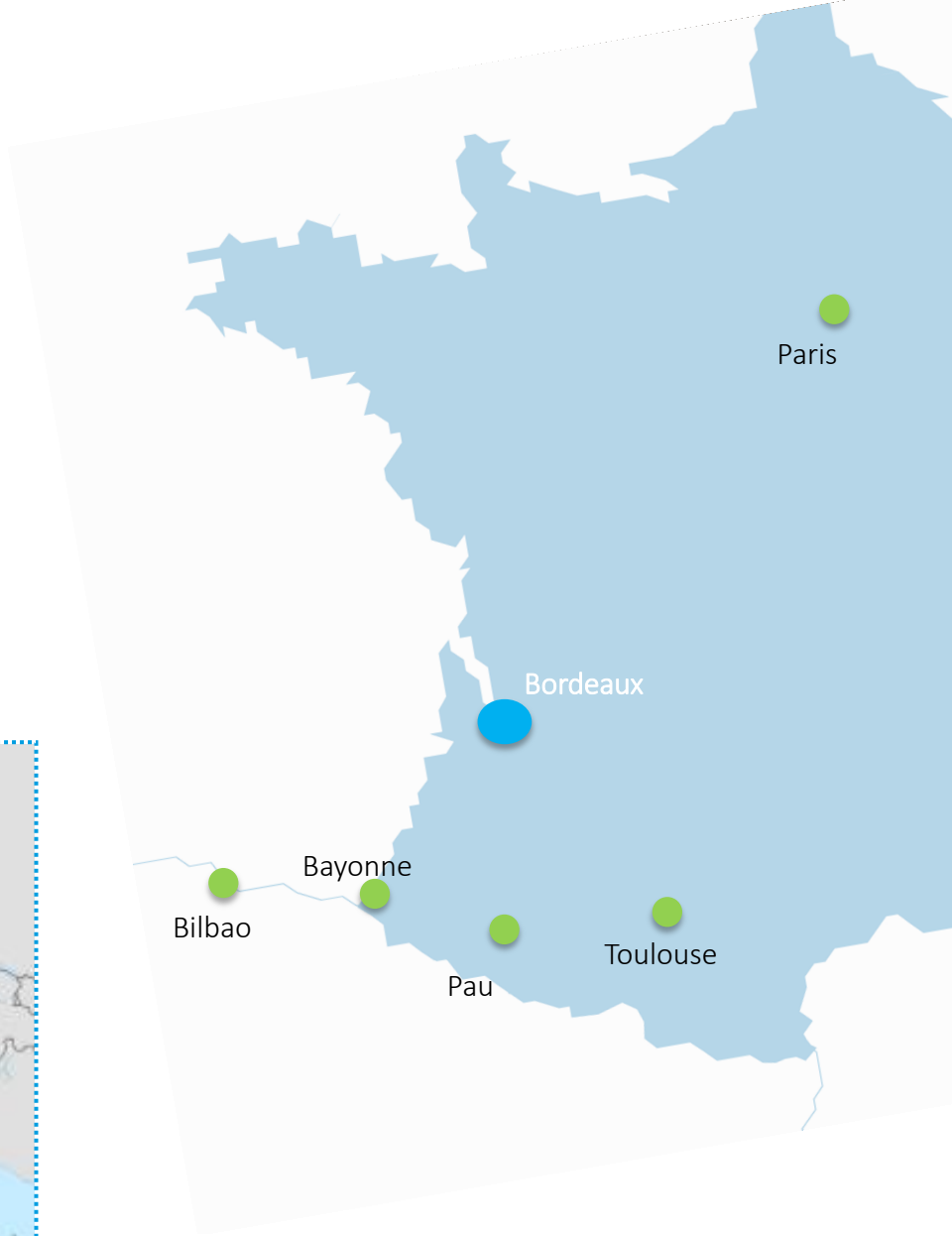
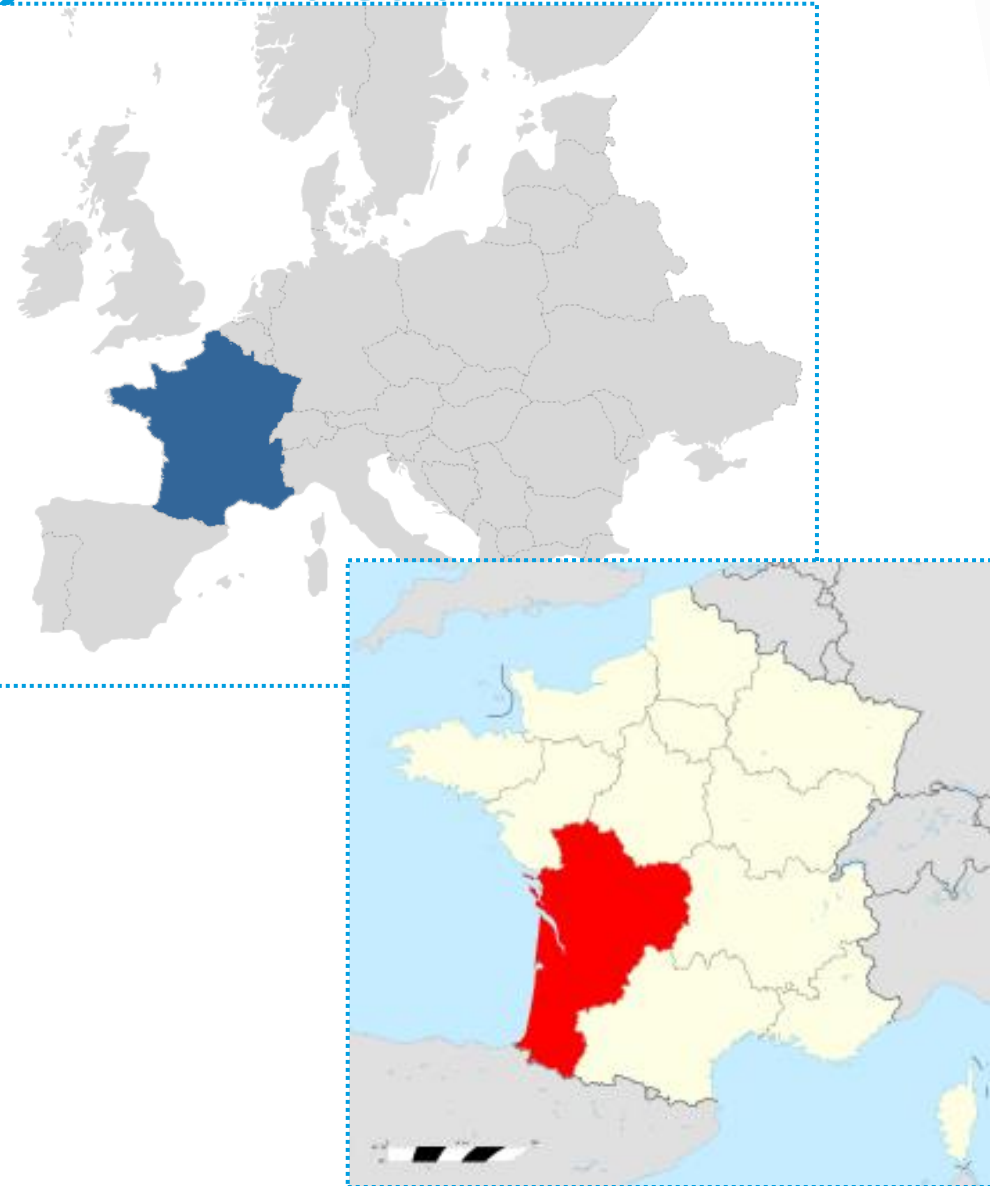
For 7 consecutive years now, Bordeaux is the n°1 French university for sports and ranks n°5 within Europe.



# Bordeaux & Aquitaine

université  
de **BORDEAUX**

# France, Aquitaine, Bordeaux



2h from Paris, 3h from Madrid and 1h45 from Bilbao .



## Rich cultural & natural heritage...

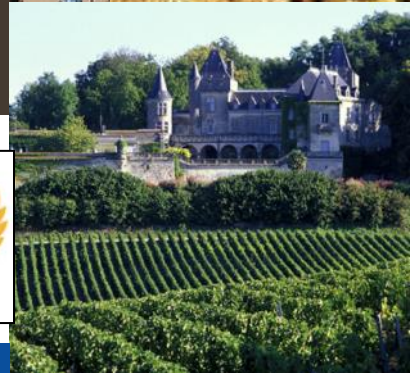
› **Culture:** Bordeaux, part of the UNESCO World Heritage List, "City of Art and History", an "outstanding urban and architectural ensemble".

› **Wine:** the wine capital of the world with around 10,000 wine-producing châteaux.

› **Environment:** located just one hour from the Atlantic Ocean, a mild oceanic climate and rich natural surroundings.



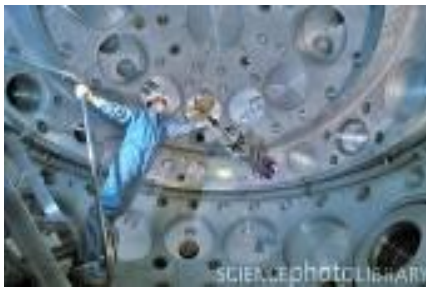
Bordeaux:  
Top city to  
visit in 2017





# A dynamic economy

- › Aeronautics, space, defense: Thales, EADS, Safran, Dassault (Rafale aircraft)
- › Laser: 3 billion € investment over 15 years
- › Pharma, ICT for health: Sanofi-aventis, BMS-UPSA, Agfa Healthcare, Siemens
- › Emerging clusters: Geolocation services, UAVs, Wind industry, creative industries



# Industrial partnerships

**ABENGOA**

**AIRBUS**  
GROUP

 **AIRBUS**

 **AIRBUS**  
HELICOPTERS

 **AIRBUS**  
DEFENCE & SPACE

**A**  
**AREVA**

  
**ARKEMA**  
The world is our inspiration

  
**BASF**  
The Chemical Company

  
**DGA**

 **EDF**

 **esa**

**Firmenich**



 **GETRAG**

**L'ORÉAL**



**PSA PEUGEOT CITROËN**

 **SAFRAN**  
Herakles

  
**SAINT-GOBAIN**

  
**SANOFI**

**SIEMENS**

 **SOLVAY**  
asking more from chemistry®



**THALES**



**TOTAL**



**TOYOTA**



université  
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Tomorrow's **success...**



**...starts** today.