

# Sustainable Development Goals at the University of Bordeaux

Report 2024–2025

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# Introduction

The University of Bordeaux is a multidisciplinary and international university, rooted in its local communities, recognised for the excellence of its research, the quality of its degrees, and its capacity for innovation.

Since 2019, the University of Bordeaux has pursued a proactive policy to help tackle the major environmental and societal challenges of our day. In 2020, this strategic orientation was reflected in the "Strategic Horizon 2030" framework document, which gives these issues central importance, and, in 2021, in a "roadmap for environmental and societal transitions", comprising 24 commitments in all the university's areas of activity: research, education, innovation, campus life. These commitments have been reinforced and laid out in detail for the period 2024–2027 by the publication of the transition master plan.

Our achievements in this area have already been recognised at the national level with the award, since 2021, of the "Sustainable Development and Societal Responsibility" label, which is unique to French universities. At a more international level, this report compares our policies with the UN's 17 Sustainable Development Goals. With regard to the latter, the University of Bordeaux was ranked 4<sup>th</sup> French institution and 1<sup>st</sup> French university in the Times Higher Education "Impact 2025" (the first three being engineering schools).

We therefore wish the University of Bordeaux to be recognised as one of the leading international universities in the field of sustainability and responsibility, in order to attract the commitment and talent which will allow us to progress still further in our role in accelerating change in the service of transition.

**Dean Lewis,**  
*President of the University*

# University Profile

## Institution

 **6,100** staff, of whom almost **3,260** research professors and researchers


**50** research and teaching disciplines


 **€575 Million** heritage budget in 2023


 **18** campuses and sites in Nouvelle-Aquitaine

 **187** hectares of campus, of which **140** of green space

## Research


 **81** research structures, of which **61** in joint supervision with research bodies


 **5,368** scientific publications in 2022, of which **14 %** in the top **10 %** of the most cited publications worldwide


 **130** collaborative European research projects as part of Horizon Europe and other programmes

## Student life

 **52,000** students of both sexes

 **60 %** female students

 **13.5 %** international students

 **1,504** students with disabilities supported by the PHASE service in 2023–2024

 **550** high-level and skilled athletes

## Innovation and value creation

**2<sup>nd</sup>** French university in terms of numbers of patents filed (INPI ranking)

 **431** patents and **144** software programmes in the university's portfolio

 **50** startups created since 2014

## Education

- › Faculty of Law, Political Science, Economics and Management
- › Faculty of Health Sciences
- › Faculty of Human Sciences
- › Faculty of Science and Technology
- › University Institute of Technology (IUT, Institut universitaire de technologie)
- › Institute of Wine and Vine Science (ISVV – Institut de la vigne et du vin)
- › National Higher Institute for Teaching and Education (INSPE, Institut national supérieur du professorat et de l'éducation)
- › Apprentice Training Centre (CFA)

# A Policy of Accelerating Transitions

Committed since 2020 to the collective development of a framework document entitled "Strategic Horizon 2030", in 2021 the University of Bordeaux adopted a "roadmap of environmental and societal transitions", comprising 24 commitments and translating its goals for transition into a trajectory across all areas of the university's activity: the contribution of research, training staff and students with regard to the necessary knowledge and skills, diversity and inclusivity within its campus, and reducing the institution's environmental footprint.

In line with the first actions undertaken as part of the transition roadmap, such as the establishment of the environmental and societal transitions council, or the creation of networks of staff representatives and student transition ambassadors, the institution has continued its transformation with the nomination of a vice-president dedicated to these issues (2022), and the creation of a transitions institute (2023) whose mission **consists in driving and coordinating** initiatives promoting transition within the university and among its partners.

## Outlook

In 2024, the publication of an environmental and societal transitions master plan was introduced to reinforce this policy. This regulatory document aims to centralise and formalise the institution's ambitions in terms of transitions across the entire spectrum of its activity, and to turn them into concrete measures for the 2024–2027 period.

This cross-cutting document is based directly on the institution's ambitions

and goals set out across different roadmaps contributing to these transitions: the disability master plan, the gender equality plan, the student and campus life master plan, the sports master plan, the multi-year property strategy plan, the sobriety plan, the open science roadmap, the sciences with and for society programme, the framework for the continuous improvement of education provision, etc.

Due to its cross-cutting nature, the transitions master plan was written in consultation with all the departments and stakeholders affected by its different components. Some of the measures formalised in this document stem from initiatives already planned or undertaken by the institution: for example, this is the case for the initiative for integrating transition issues into the education programme, developed in consultation with the faculties and educational institutions. At the same time, the measures that have been planned should be implemented in a coordinated manner, so that everyone feels involved in the changes taking place.

## Methodology

In this report, you will find initiatives and projects led by all the stakeholders at the University of Bordeaux who contribute to the 17 SDGs: the faculties and institutes, departments and research structures, administrative offices, as well as communities (students, staff, associations, partners, etc.).

The following are identified for each SDG: on the one hand, structural elements representing the organisation, which the university has set up over a number of years to deal with these issues (research structure, facilities, support for student associations, institutional programmes, etc.); and, on the other hand, new developments for the years 2024–2025 (new research projects or specific current initiatives, events, etc.).

As with the first two editions, the projects highlighted are of necessity limited in number, as the SDG report cannot claim to be comprehensive. Nevertheless, this document is intended to be implemented from year to year. Teaching and research

teams, students and administrative departments are therefore invited to put forward new projects to be promoted in the next edition.

Finally, unless otherwise stated, the key figures presented in this document are for the 2024–2025 academic year, i.e. the calendar year 2024. The number of publications indicated for each SDG covers the 2024–2025 period and is based on a search of the Scopus database.

### Contacts

For all questions on this report or any suggestions for contributions to the next edition:

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<sup>1</sup> For most of the titles included in this report, a hypertext link directs you to the relevant page



# No Poverty

Eliminating poverty in all its forms  
all over the world

## Structural components

### Participation in challenges proposed by NGOs

Master students at the university have the opportunity to contribute their expertise to different development projects proposed by NGOs via the incubator created by the Initiative Development association. By these means, students supported the International Office for Water in setting up an incubator dedicated to combatting climate change in Madagascar.

### The Health and Poverty university diploma

This continuing education course, offered by the Institute of Public Health, Epidemiology and Development (ISPED - Institut de santé publique, d'épidémiologie et de développement), is aimed at various healthcare and social workers and highlights the links between different forms of poverty and health. It also presents the various support mechanisms available for different target populations and provides the skills required to help care for these vulnerable groups.

### The Karavan association

This cross-sectoral student association combats poverty on several levels: at the local level, by organising outreach programmes to help the most disadvantaged, while at the same time creating social ties; and at the international level, by supporting students in setting up international solidarity projects, through training or assistance in finding grants.

## KEY FIGURES

- › **82 publications**
- › **€126,000 in social assistance for students in 2024** via the Student Initiative Solidarity and Development Fund
- › **€527,000** dedicated to **social action** for staff
- › **100 IT kits** provided to students as part of the Emmaüs-Connect/ University of Bordeaux partnership

### Stud'food social grocery store

This social grocery store located on the Périgueux campus offers students – both those who are recipients of scholarships and those who are not – food items at reduced prices.

### The Comptoir d'Aliénor social grocery store

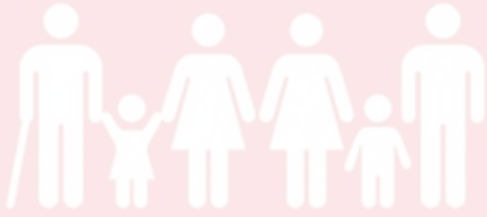
Now located in building A22 in Peixotto, the social, solidarity and cultural grocery store, run by the ATENA federation and its network, offers students access to food and hygiene products at reduced prices. It also aims to combat social isolation by organising workshops, meetings, and events to encourage interaction between beneficiaries.

### The Little Baskets on Campus

Supported by the Student Health Centre, Bordeaux student associations and the Student Life Offices, the provision of fruit and vegetable baskets is tailored to students' purchasing power, with baskets priced at €5, offering seasonal and local produce.



# 1 NO POVERTY



## News 2024–2025

### **The article, “The Legitimation of Local Currencies by the Social and Solidarity Economy (ESS, Economie Sociale et Solidaire) Act”**

**This article** by Yannick Lung (Bordeaux School of Economics) takes stock of the development of local currencies, 10 years after the adoption of the 2014 Social and Solidarity Economy Act, which affirmed their legitimacy. This law has thus enabled significant growth in local currencies, particularly during the 2010s, and an increase in monetary flows in local currency. After these ten years, however, it appears that deployment could become more widespread, enabling greater exchange between different regional actors.

### **From the “Gilets Jaunes” to the Revolt in Martinique: Understanding the Protests against the High Cost of Living**

**This article** published in The Conversation highlights the similarities between the protests against the high cost of living that took place in Martinique at the end of 2024 and other international

demonstrations: “Gilets Jaunes” (France, 2018); The Vinegar Revolt (Brazil, 2013); Protests against Government Price Increases in Chile (2019). This article states, in particular, that in most cases, the demonstrations stem from seemingly isolated phenomena (the price of a specific commodity, an austerity measure adopted by the government, etc.) and then spreads to broader demands, calling into question both the functioning of the economy and, at the same time, political representation.

### **The launch of the Emmaüs Connect-University of Bordeaux Digital Partnership**

This partnership, which involves the participation of the Student and Campus Life Contribution (CVEC – Contribution de Vie Etudiante et de Campus), aims to provide IT equipment to students in disadvantaged situations to support them in their studies. The computer equipment comes from companies that are upgrading their IT systems, after being refurbished by social integration organisations and specialised companies.





## "Zero" Hunger

Ending hunger, achieving food security, improving nutrition, and promoting sustainable agriculture

### KEY FIGURES

- › **354 publications**
- › **50 %**: proportion of meals costing €1 out of all meals served to students receiving grants or in social difficulty by the Regional Centre for University and School Activities (CROUS – Centre Régional des Œuvres Universitaires et Scolaires) Bordeaux-Aquitaine
- › **€180,000**: amount contributed by the university towards staff meals in 2024
- › **6.8/10**: average rating given by students to their lunch break experience. Criteria taken into account: price, time available, location, food quality, availability of vegetarian meals (*Source: Student Institutional Survey 2024–2025*).

## Structural components

### The Nutrition and Integrated Biology joint research unit (Nutrineuro)

This joint research unit (UMR – Unité Mixte de Recherche) studies the impact of nutrition on the brain, brain functions, and behaviour. The aim is thereby to define an optimal form of nutrition for mental health in humans and to prevent the development of neuropsychiatric and neurodegenerative disorders. Led by the National Research Institute for Agriculture, Food and the Environment (INRAE, Institut national de recherche pour l'agriculture, l'alimentation et l'environnement), the University of Bordeaux and the Bordeaux Polytechnic Institute (Bordeaux-INP, Institut Polytechnique de Bordeaux), this unit comprises three teams:

- › The goal of the **Nutripsy** team is to gain a better understanding of the influence of nutrition on mental health
- › The **Nutrimind** team seeks to understand how the molecules related to nutrition (nutrients, micronutrients) influence brain function and behaviour
- › The **Food Circus** team establishes links between nutritional status and brain alterations by identifying neuronal circuits.

A transfer group called **Nutribrain** transfers laboratory expertise to the world of industry. This research unit also includes an international dimension, particularly with Canada via the **OptiNutriBrain** associated international laboratory and the **Food4BrainHealth** Research Impetus Network.

### The Bordeaux Summer School: the evolution of French agriculture: strategies to face climate change

This **Summer School**, organised by INRAE and the University of Bordeaux, addresses the various challenges faced by French agriculture, particularly ones relating to climate change and food security. As part of this two-week training course, the students participating have the opportunity to meet academics, go on field trips or complete practical work.

### The Health Risks Axis, agricultural crises, and the environmental challenges of the "The Africas in the World" (Les Afriques dans le monde) laboratory

This **research axis** of the joint research unit addresses different environmental and health issues on the African continent, including a section on agricultural issues. Numerous challenges are dealt with in this way: reconciling

# 2 ZERO HUNGER



sustainable agriculture with sufficient yields, food security, the struggle against territorial inequality, conflicts over water and land resources, etc. As part of this research area, public **seminars** are organised, during which members of the laboratory come and present their research projects.

**The Biology and Agrosience master's degree**, co-accredited with Bordeaux Sciences Agro, relies on a multi-disciplinary approach which aims to tackle issues relating to contemporary agriculture and agronomy. Four courses are thus available to students on the Bordeaux and Agen campuses:

- › Plant Improvement for Sustainable Production
- › Plant Health and Interaction with the Environment
- › Plants and Important Biomolecules: Characterisation and Exploitation
- › Agri-Food Production and Innovation (taught at the Agen campus)

## News 2024–2025

### What if green insurance could help reduce the use of plant protection products in vineyards?

**This article**, which was contributed to by the Institute of Wine and Vine Science, presents the results of an experiment carried out as part of a Living Lab in the Aquitaine wine region, bringing together producers, an insurance company, and the Nouvelle-Aquitaine region. This living lab has led to the creation of decision-making tools enabling wine producers to reduce their use of plant protection products, while at the same time being covered by a green insurance policy in case of potential losses. In the vineyards involved, a 30% to 65% reduction in use of plant protection products was observed over the 4 years of the experiment.

### The "Social Food Security: When are we Really Going to Get Started?" Rencards du Savoir (literally, 'Knowledge Meet-Ups')

This session of the Rencards du Savoir presents the concept of social food security, which aims to provide universal access to high-quality, sustainable and environmentally friendly food. The session, which brought together representatives from the Gironde Departmental Council, the INRAE, the University of Montpellier, and the University of Bordeaux, provided an opportunity for the initial results of the experiment conducted in Gironde to be presented, and the challenges of implementing it on a larger scale.

### Everyone can stay no to added sugar

As part of this **interview** for Cerveau&Psycho (Brain&Psychology) magazine, Xavier Fioramonti, a researcher in the Nutripsy team at Bordeaux Neurocampus, highlights the excessive consumption of added sugar in France and the health risks it poses: above all diabetes, which affects 4 million people in France, but also sleep or memory disorders.

# FOCUS

## The Food Living Lab

The Food Living Lab, like the other Living Labs run by the University of Bordeaux with the financial support of the ACT (Augmented University for Campus and world Transition) programme, is an experimental programme bringing together academics, students, as well as administrative services and external partners. Led by a project manager with a PhD in food sciences, it aims to broaden the debate on campuses in order to diversify the food on offer, help combat food insecurity, and raise awareness among students and staff about sustainable food.

Following an initial workshop led by the Bordeaux-Aquitaine Regional Centre for University and School Works (CROUS Bordeaux-Aquitaine) as part of the Transition Conferences 2023 (Rencontres des transitions 2023) on increasing the proportion of plant-based foods in meals served in university canteens, the Living Lab was set up in October 2024. This event combining round table discussions, institutional speeches, and... cooking competitions, provided an opportunity to present the experiments which the University of Bordeaux has already supported (experiment on the Social Security of Student Nutrition), as well as initiatives currently underway at the CROUS.

The latter is striving to expand its vegetarian offering and source more local produce, within the limits of regulatory constraints. Within the Food Living Lab, these shared interests come together and take shape in the form of various projects:

- › Funding a thesis in social psychology on support for students' dietary transition based on cooking workshops organised by a doctoral student with dual qualifications as a psychologist and chef, within LabPsy, in partnership with the Dijon Centre for Taste and Food Sciences (Centre des Sciences du Goût et de l'Alimentation de Dijon)
- › Funding a post-doctoral position for a project on participatory data physicalisation (visualising the carbon impact of the food choice of university canteen users), run by the Bivwac team (Inria – CNRS)
- › Observation by two education science interns of the meal process in the university

canteens and the perception of the vegetarian option among students and CROUS staff

- › The organisation of a food week by students of the National Higher School of Materials, Agri-Food and Chemistry, (Ensmac, Ecole nationale supérieure de matériaux, d'agroalimentaire et de chimie), and the development of new vegetarian recipes by Ensmac and Bordeaux Agricultural Sciences (BSA, Bordeaux Sciences Agro) students to expand the CROUS "Little Jars" range – takeaway dishes in the form of reusable jars
- › Support for shared campus gardens, run by collectives or student associations, which contribute to providing a locally sourced food supply
- › Cooking workshops, round table discussions, conferences to raise awareness among as many people as possible on campuses of the topics of food sustainability and food insecurity.

In spring 2024, a group of around twenty Living Lab participants took part in a Knowledge Tour in Belgium, visiting the Université Libre de Bruxelles to discuss the development of shared vegetable gardens on campuses and meet the managers of the La Turbean solidarity canteen.

Among the participants and partners in the Living Lab were, for example, the CROUS de Bordeaux Nouvelle-Aquitaine, various student associations (La Cuvée des écolos, Fédération ATENA, L'Astragale et la Fourmi), researchers from PabPsy, NutriNeuro, Cultures and Knowledge Dissemination (CeDs, Cultures et Diffusion des Savoirs), the National Institute for Research in Computer Science and Control (Inria, Institut national de recherche en informatique et en automatique), and the National Centre for Scientific Research (CNRS, Centre national de la recherche scientifique).

### KEY FIGURES

- › **120** people mobilised as part of this Living Lab (teacher, research professors, BIATSS staff, students, partners, etc.)
- › **22%** : proportion of vegetarian meals served by the CROUS



## Good Health and Well-Being

Allowing everyone to live in good health and foster the well-being of all people of all ages

### KEY FIGURES

- › **6,542 publications**
- › Nearly **900** students trained in Mental Health First Aid in 2024, and more than **300** staff completed health-related training in 2024 as part of the staff training programme.
- › **55%** of students (not including those of the Faculty of Physical Education and Sports Science – STAPS) state that they take part in physical activity or sport at least once a week. *(Source: Student Institutional Survey 2024–2025)*

### Structural components

The University of Bordeaux has four research departments dealing with health:

- › **The Public Health department**, which deals with epidemiology, biostatistics, IT for medicine, disabilities, and health economics. Its work relates to a wide range of pathologies: infectious diseases including those relating to HIV, neurology, oncology, traumatology, and mental health.
- › **The Biological and Medical Science research department** focuses on cancer, the immune and vascular systems, and rare and inflammatory diseases.
- › **The Science and Technology for Health departments and Bordeaux Neurocampus** cover the cellular and molecular aspects of life and the neurosciences respectively.

### HOPE

This interdisciplinary Major Research Programme aims to study the determinants of individual and collective behaviour, as well as those of well-being, from the perspective of major contemporary phenomena (terrorism, conflicts, pandemics, global warming, migration crises, inequality, etc.). Based on empirical analyses, HOPE also aims to draw lessons to assist public policy, either through a better understanding of behaviour and well-being, or because certain public policies are themselves the subject of research.

### SENS (Science Environment Health – Science Environnement Santé)

This research axis at the Emile Durkheim Centre provides a space for debate on the theoretical and empirical contributions of different approaches to the ecological and health crisis, which is at the heart of public policy. Recent work in the sociology of science, health and environmental technologies, the dynamics of knowledge production and circulation, scientific controversies, and processes of knowledge legitimisation are discussed.

### The Faculty of Health Sciences

Educational programmes focus on the following disciplines: fundamental sciences, sciences applied to medicines and health products, medical biology, life sciences and public health, environmental sciences, medical sciences and dental sciences.



### **The STAPS Adapted Physical Activities master's degree**

This master's degree gives students scientific, technical, and organisational expertise in the area of physical activity for people who are unable to exercise in normal conditions, and who have specific health, social participation, or inclusion needs.

### **The Anthropology, Ethnology, Health Careers, Migrations, and Mediation master's year-2 programme**

This programme in the Humanities and Social Sciences master's degree aims to train professionals in social and health care and humanitarian action who are actively engaged in health policy, mediation, and intercultural management. More generally, it is aimed at professionals looking to deepen their skills in the care and health of migrant populations, as well as in future PhD students in these topics.

### **The Psychosocial Support for Carers university diploma**

This ISPED training programme trains professionals in the health and medico-social sectors to evaluate the needs of people caring for loved ones (people involved in supporting a loved one who suffers from a disability, dependency, chronic illness, etc.), and to provide psycho-social support for these individuals.

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## ↘ News 2024-2025

### **These non-European Practitioners who are Filling the Gaps Left by Doctor Shortages in Hospitals**

This article published in The Conversation highlights both the reasons which drive medical practitioners with a degree from outside the European Union (Padhue – Praticiens à Diplôme Hors Union Européenne) to come and work in France, as well as the various difficulties they face (numerous procedures for testing their knowledge, financial insecurity, professional instability, etc.)

### **"Being Well Together" awareness videos**

This series of videos, directed at children between 9 and 11 years old, aims to raise their awareness of mental health issues. In this series of videos created in partnership with the Douglas Institute in Montreal, The Ink Link, the artist Edith Chambon, the videographer Claire Lageyre, and the University of Bordeaux, children make choices that lead to different scenarios. This series of awareness-raising videos concludes with a general educational explanation.

### **Launch of PRISME ESE study**

This study, launched by the Student Health Space in February 2025, follows on from an initial study conducted by the Bordeaux Population Health laboratory on the level of student health and well-being. The current initiative, which began in mid-February and complements the previous one, asks students questions concerning their consumption during parties, physical activity, sleep quality, and use of healthcare services. It aims to find out what they are already doing to feel better, in order to take action.

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## News 2024–2025

### The launch of the SLAC Quality of Life at Work scheme

This serious game developed by researchers at the University of Grenoble and the INSEEC Grande Ecole was proposed to the Bordeaux Institute for Neurodegenerative Diseases Institute (IMN, Institut des maladies neurodégénératives) laboratory as part of the **Health Living Lab**. Its purpose is to enable the formalisation of a diagnosis and then an action plan on the issues of quality of life at work (QLW) within a professional organisation. Lasting 1.5 hours, this game can raise awareness of factors contributing to well-being at work, but can also serve as a prelude to a working session on improving working conditions.

### The Bouger project: fighting cancer through JISPED

In 2024, the JISPED student association, affiliated with the Institute of Public Health, Epidemiology and Development, launched the "Move to Fight Cancer" challenge and was recognised at the Trophées des Assos awards ceremony. This sporting challenge, aimed at students, is designed to encourage them to take part in physical activity (walking, running, cycling) during the month of October. At the end of this challenge, JISPED donates an amount proportional to the distance covered to a charity: it ended up donating €1,000 to the Fight Against Cancer.

### Launch of the Endonora Application

This application is available in many French cities and aims to combat sedentary lifestyles. It offers audio-guided fitness trails that can be completed alone or in a group. At the University of Bordeaux, courses are offered on numerous campuses (Victoire, Bastide, Talence, Pessac, Gradignan, Carreire, Dax).

### The "Everywhere and Forever: how PFAS Pollute us" Rencard du Savoir

This café debate, organised by the culture department in collaboration with the CPES science and society degree programme, aimed to address the issue of persistent pollutants (PFAS), chemical compounds found in many food packaging materials, textiles, and cosmetics. Several topics were discussed, such as the impact of PFAS on health and the environment, measures that can be taken to protect oneself, and government action on this issue.

### The Sex On the Campus Festival

The tenth edition of the festival, organised by the Student Health Centre and the Student Health Ambassadors in 2025, was entitled "Sex 2.0: or how to move from virtual to real". This edition dealt with dating apps and digital sexuality through several media: a game based on the principle of "who is it" on problematic profiles on dating apps; a coconut shy game on prejudices; collaboration with the "Cœurnichons" content creator.

### One Shot Festival: come on, let's talk about parties and consumption

Launched in 2025 on the Montesquieu Campus, the **One Shot Festival** raises awareness among students about the various risks associated with nightlife, particularly those related to different types of consumption during parties. For example, a rolling car simulator was set up on campus to simulate the effects of drunkenness on driving.



## Quality Education

Ensuring equal access to quality education for all and promoting lifelong learning opportunities

### KEY FIGURES

- › **164 publications**
- › **52,500 students of both sexes** in 2024–2025
- › Nearly **€500,000** spent on staff training
- › **61** secondary schools in the Nouvelle-Aquitaine region supported as part of the ACCES equal opportunities programme (see paragraph below)
- › **€178 annual** tuition fees **for a bachelor's degree and €254 for a master's degree**
- › **31 university libraries** open to the general public

### Structural components

#### **The NewDeal training programme**

Launched in 2017 for a period of 10 years, **the NewDEAL programme** focuses on the organisation of training programmes and student pathways. It focuses its resources on five key areas of transformation:

- › Taking into account prior learning and pedagogical alignment
- › Personalising student pathways
- › Personalising student progress
- › Developing cross-functional skills
- › Student involvement and empowerment.

Among the achievements made possible by this programme is the creation of the Multidisciplinary Higher Education Cycle (CPES, Cycle Pluridisciplinaire d'Etudes Supérieures) on the themes of "science and society" (see SDG 17).

#### **Teaching, Education, and Training Professions master's degree (MEEF, Master des métiers de l'enseignement de l'éducation et de la formation)**

**The MEEF Master's degree**, offered by INSPE, trains its students for various careers related to teaching. One of its master's year-2 programmes, "Educating and Training for Ecological Transition and Sustainable Development Goals", is dedicated to transition issues. Taught on the Agen campus, it aims to train staff capable of supporting organisations in developing their sustainable strategy. It also brings expertise in change management support within organisations (companies, local authorities, associations, consulting firms, etc.).

#### **The ACCES project**

This project, which brings together the Nouvelle-Aquitaine region, universities in the Aquitaine area and the Chamber of Commerce and Industry, aims to promote equal opportunities across the region.

Deployed in 61 establishments across the region, it aims to inspire and support the ambitions of secondary school pupils who live far away from higher education institutions and/or receive little support in pursuing higher education. Among the initiatives which have been implemented is, for example, the **Campus Explorer experimental programme**, which offers year 11 secondary school pupils a guided immersion into university life. Supported by fellow students, this initiative aims to remove barriers to continuing education and build a more accurate and tangible representation of higher education.

### **The House of Science**

Located at the heart of the University of Bordeaux, since 2014 **the House of Science** in Aquitaine has been offering completely free training courses to primary and secondary school teachers on various topics: biodiversity, food and health, climate change, and the chemistry of cosmetics. The aim is to provide them with the means to improve the transmission of scientific knowledge to their pupils. Events are also organised in schools across the Aquitaine region.

### **Revise for your Baccalaureate at the library**

For the third year in a row, this programme enables secondary school pupils to practise for their Baccalaureate oral examinations (grand oral and French oral) at the university. Trained beforehand by secondary school teachers on the exam requirements, two pairs of MEEF master's students play the role of examiners for these oral exams. Available at the Agen, Périgueux, Bastide and Bordes campuses, it helps to forge links between secondary school pupils and the university.

## News 2024–2025

### **The Parcoursup (lit. Pathwaysup) "moment". A "double investigation" into post-Baccalaureate guidance**

This thesis, defended by Alban Mizzi at the Emile Durkheim Centre, takes a step back to examine the Parcoursup application, launched in 2018. Taking the Nouvelle-Aquitaine region as its field of study, it explores the social, moral, and emotional issues surrounding this key "moment", when selectors and selected are confronted with their moral principles in a context of educational standardisation.

### **Contribution of a Labri researcher to the "MonProjetSup" project**

Guillaume Lagarde, a researcher at the Labri laboratory, contributed to the design of this national tool, developed to help secondary school pupils build an orientation project from Year 11 to Year 13, with personalised suggestions based on their profiles and preferences.

### **Making decisions in a context of socio-environmental crisis**

This professional training course, which is aimed at decision-makers in both the public and private sectors, aims to encourage them to rethink their decision-making processes in a context of socio-environmental crisis. Spread over three days, this training course, delivered by lecturers and researchers from the University of Bordeaux, Sciences Po Bordeaux, the INRAE and the CNRS, draws on numerous examples and real-life case studies: how can a river be cleaned up? How can wood be produced while preserving forests? How can transport and mobility be improved across a region without causing pollution?

### **Transition Day at the Institute of Vine and Wine Sciences, (ISVV, Institut des Sciences de la Vigne et du Vin)**

To mark Ecology and Solidarity Week, the ISVV is organising a day dedicated to these issues. Various activities have been organised for this day: a second-hand clothing sale, handing out vegetable baskets, composting workshops, an eco-walk, a bicycle repair workshop, etc.



# FOCUS

## Launch of the cross-disciplinary teaching unit on transition

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The 2024–2025 academic year saw the initial implementation of a cross-disciplinary teaching unit devoted to environmental and societal transition, worth 3 ECTS credits. In 2023, the Ministry of Higher Education and Research required all higher education institutions to provide all their students with a core set of global, cross-disciplinary and multidisciplinary knowledge and skills on issues related to climate, biodiversity, and ecological transition.

- › The University of Bordeaux has therefore embarked on an ambitious initiative, mobilising several teams of lecturers to design 30 hours of training that can be assimilated by students from all courses, but also to prepare lecturers to teach subjects that do not directly fall within their area of expertise. This action will result in:
- › Nine sessions that take a systematic approach to biodiversity, climate change, environmental pollution, energy, global health, the evolution of societies in the Anthropocene, etc.
- › Case studies that students can carry out in their local area
- › The provision of a toolkit on the Moodle online platform for all lecturers, which brings together both teaching materials and reflections on the approach to adopt as a lecturer.

Taking a realist approach, the designers of the teaching unit have taken into account the possibility that such topics may generate conflicting feelings among students, ranging from indifference to eco-anxiety. They

therefore decided to make happiness the central theme of their training, and to devote an entire session to finding solutions for a desirable future.

In 2024–2025, this teaching unit was delivered to 3,500 students, in person at the Faculty of Science and Technology, remotely at the Faculty of Health, and three teaching units at the Faculty of Human Sciences. An initial feedback session took place in June 2025 on the Victoire campus, leading to numerous discussions among the sixty or so lecturers in attendance.

In 2025–2026, delivery of this teaching unit will be extended to all faculties for the 9,000 undergraduate students. The university has already decided to go beyond the ministry's request by planning to supplement it with a compulsory disciplinary teaching unit worth 3 ECTS credits.

This project, funded by the ACT (Augmented University for Campus Transition) programme, has been coordinated by a group of lecturers and researcher professors from various educational departments, with the support of Nadia Ramos from the Support Programme for Innovative Teaching Methods (MAPI, Mission d'Appui aux Pédagogies Innovantes), and Anne Coubray (Institute for Transition, Institut des transitions).





## Gender equality

Achieve gender equality and empower all women and girls

### KEY FIGURES

- › **192 publications**
- › **55 %** of women among university staff
- › **84 %**: score obtained in the national professional equality index in 2024, based on data from 2023
- › **70** schoolgirls made aware of careers related to mathematics and computer science as part of the "I am a Computer Scientist, I am a Mathematician" (Moi Informaticienne moi Mathématicienne) project

### Structural components

#### **Bordeaux Summer School—gender equality and diversity in the world of academia**

This **Summer School**, aimed at master's students, doctoral students, postdoctoral students, and researchers, invites them to reflect on how gender is taken into account in research and to explore the links between academic excellence, meritocracy, and gender equality. The programme for this training course was designed as part of the European RESET project.

**The surveillance and reporting team** for staff and members of the student community at the University of Bordeaux, **the surveillance and reporting team** is a place where victims or witnesses of harassment, discrimination and/or violence, including gender-based and sexual violence, can seek guidance and support.

#### **The MEUF Association (Universal Student Feminist Movement, Mouvement étudiant universel féministe)**

Set up in 2021, this student association's main objectives are to combat gender-based and sexual violence within the university, fight gender discrimination, and raise awareness of feminist issues.

#### **The Marian Diamonds prize**

Established by the Bordeaux Neurocampus Gender Equality and Inclusion Committee, this award aims to celebrate women neuroscientists. In 2025, it was awarded to Christelle Gangeletas, a postdoctoral researcher at the Bordeaux Institute of Neurodegenerative Diseases (IMN, Institut des Maladies Neurodégénératives) and Senior Lecturer in Neuroscience. Her research focuses on anxiety, motivational and motor circuits in physiological, psychiatric, and neurodegenerative conditions. She thus follows on from 2024's winner, Enrica Montalban.

#### **The I am a Computer Scientist, I am a Mathematician programme**

Launched in 2019, this annual programme spread awareness of mathematics and computer science to 70 secondary school girls in 2025. Based on the observation that women are in the minority in these university courses, LABRI and the IMB offer them a week's worth of different awareness-raising activities: introductory workshops on research or programming, academic conferences, presentations on career paths, and "speed meeting" workshops allowing them to talk to female students, doctoral students, and research professors in these fields.

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**The interdepartmental "Evolution, Sexes and Genders" day**

As part of this day, which brought together the Archaeological Sciences and CHANGES (Social Sciences of Contemporary Change) departments, various topics were addressed by the different speakers: the evolution of modes of fatherhood since the Palaeolithic era, women's diets, and the evolution of homosexual orientation, among others.

**The "Are Young People more Feminist than Previous Generations?" interview**

In this interview on France Culture, Floriane Volt, spokesperson for the Womens' Foundation (Fondation des Femmes), and Eric Macé, a researcher at the Emile Durkheim Centre, analyse the findings of a 2025 report on the current state of sexism in France, produced by the Higher Council for Equality between Women and Men (HCE), which show a growing polarisation among French people with regard to sexism: women are becoming more feminist and men more masculinist; this phenomenon is even more pronounced among young people.

**The article "Sexual Violence in the French Army: what Point have we Reached?"**

This article, written by Eileen Baron at the Léon Duguit Institute, reviews the actions taken by the Ministry of the Armed Forces to combat gender-based and sexual violence (GBSV) within the institution, following a year marked by a #MeToo movement in

the armed forces in 2024. This article details the new ministerial directive, which focuses on several areas: coordinating an approach, supporting victims, sanctions, transparency, and prevention. This includes, for example, reviewing serious cases from the past from the perspective of victims with support, including when the victim has left the institution, or systematising the suspension of duties for serious offences.

**A Pint of Science – Science Against Machismo**

**A Pint of Science** is an international festival that brings together researchers and the public to discuss research topics in bars rather than in traditional academic settings. In the 2025 edition, two doctoral students, Maureen Bal and Alexia Boucherie, from the Montesquieu Research Institute and the Emile Durkheim Centre respectively, addressed the issues of **ecofeminism**<sup>2</sup> and sexual consent.

**The conclusion of the RESET programme (Redesigning Equality and Scientific Excellence Together)**

This European project, which aims to remove the barriers affecting women's careers in research and academia, was completed at the end of 2024. Over the course of four years, the consortium of universities has produced numerous tools and resources: these include a decision-making tool to help assess whether a research project adequately addresses gender issues (**GIA Checklist**), a compendium of best practices for more inclusive ..... recruitment, and the serious game

<sup>2</sup> According to Oxfam, ecofeminism is based on the observation that our society is founded on the triple domination and exploitation of women, nature, and minorities.



## News 2024–2025

"Catch Me If You Can" on various forms of discrimination related to gender, origin or disability.

### Publication of the Plan for Professional Equality, Gender Equality, and Diversity (2025–2027)

This **institutional document** sets out the institution's guidelines on these various topics. Based on various observations, it sets out the different measures implemented and establishes various short-, medium- and long-term objectives. Among the measures outlined are, for example, the implementation of a gender- and diversity-sensitive selection methodology for master's programmes, and the implementation of measures to promote a balanced representation of both sexes among university professors.

### The Equality and Diversity fortnight

As part of the Bordeaux Métropole programme, the University of Bordeaux organised a theme day on combatting discrimination in professional recruitment. During this day, an Empowerment workshop open to students was organised on discrimination in professional recruitment, followed by an evening of testimonials and experience sharing.

### Various initiatives undertaken by the Bordeaux Institute of Mathematics (IMB, Institut de Mathématiques de Bordeaux) to promote gender equality

In order to promote gender equality, the **IMB** is implementing various measures. Firstly, a senior-year intern was recruited to examine the position of female students studying for a bachelor's degree in mathematics in a context of gender minority. From a practical perspective, a breastfeeding room has been created, and sanitary protection has been installed in the shared toilets.

### "Pioneering researchers" at the Lycée Jauffré Rudel de Blaye

As last year, the secondary school students at this lycée had the opportunity to meet 18 speakers from the world of research and industry, through workshops, discussions and lectures. Supported by the SAPS label and the CCSTI Cap Sciences, this day aims to stimulate scientific vocations among secondary school students, and more specifically among female students, who are often under-represented in scientific fields and in research and engineering professions.



## Clean Water and Sanitation

Guaranteeing access to sustainably managed water supply and sanitation services for all

### KEY FIGURES

- › **216 publications**
- › **195,634 m<sup>3</sup>** : university water consumption in 2024

### Structural components

#### **The Naiades Regional Research Network (R3)**

This Regional Research Network aims to create a common platform for disseminating knowledge about water by identifying the various regional water stakeholders. Numerous university laboratories are participating in this R3: Biogeco, BSE (Bordeaux School of Economics), the Epicène team at BPH (Bordeaux Population Health), the Emile Durkheim Centre, I2M, the OASU (Aquitaine Observer of Universe Sciences, Observatoire Aquitain des Sciences de l'Univers) observatory, etc.

#### **The One Water National Water Research Programme (PEPR)**

The aim of this programme is to develop knowledge in the field of water in order to restore water as a shared resource. Co-led by the CNRS, the Geological and Mining Research Office (BRGM, Bureau de Recherches Géologiques et Minières), and INRAE, it brings together both academic and non-academic stakeholders and is based on a multi- and interdisciplinary approach to water. The University of Bordeaux is an academic partner of the programme and will host the second edition of the One Water Days, which will take place from 26 to 28 August 2025.

#### **The MAGEST – Automated Measurements for the Observation and Management of Estuaries in Northern Aquitaine – network (Mesures automatisées pour l'observation et la gestion des estuaires nord-aquitains)**

The **MAGEST network**, which brings together various actors (the Water Agency, local

authorities, universities, businesses), is responsible for monitoring the physical and chemical quality of the waters of the estuaries in northern Aquitaine, which are vulnerable environments subject to increasing climatic and anthropogenic pressures. The data collected (including temperature, salinity, turbidity, etc.) is available to the general public on a **dedicated page**.

#### **Master's degree in Toxicology and Ecotoxicology**

This master's degree covers the impact of human activities on the functioning of natural systems, understanding living organisms in relation to environmental constraints, natural resource management, as well as environmental risk prevention (air and ecosystem pollution, management of polluted sites and soils, etc.). It trains specialists in ecotoxicology, environmental chemistry and risk assessment, both in the field of fundamental research and in more applied fields.

### News 2024–2025

**"Pesticides in Drinking Water: we Know how to Purify Water and Make it Drinkable, but Sometimes at Astronomical Costs."**

In this article published in Sud-Ouest, Hélène Budzinski, director of the Oceanic and Continental Environments and Palaeoenvironments (EPOC, Environnements et Paléoenvironnements Océaniques et Continentaux) laboratory (see SDG 14),

# 6 CLEAN WATER AND SANITATION



## News 2024–2025

explains the process that leads to the persistent presence of pesticides in deep groundwater. She also points out that it is now possible to make water drinkable, but at very high costs.

### The PaléEAUX interdisciplinary research project

This research project, winner of the 2024 Interdisciplinary and Exploratory Research call for projects, aims to study the paleo-recharge of aquifers in the northern Aquitaine Basin used for drinking water and to deduce paleoclimatic data from this, using trace isotope analysis (18O, 2H, 14C, noble gases). This research project involves the EPOC, LP2I, and PACEA laboratories from three departments of the university: Environmental Sciences, Material and Radiation Sciences, and Archaeological Sciences.

### Publication of the "Making Ecological Transition a Mechanism for Social Inclusion" report

This report by the National Council for Policies to Combat Poverty and Social Exclusion (CNLE, Conseil National des Politiques de Lutte contre la Pauvreté et l'Exclusion Sociale) aims, above all, to formulate recommendations for harmonising ecological transition and social justice. One of the chapters, written by Joan Cortinas Munoz, a researcher at the Emile Durkheim Centre, focuses on water resources. Indeed, in a context where access to water could become more expensive for several reasons (scarce resources, expenditure incurred to reduce leaks in the networks and ensure water compliance), the impact on the lowest-income households will be the greatest. This chapter therefore aims to put forward recommendations for setting prices that are more socially equitable.

### Approval of the Multi-Year Property Investment Strategy Plan (water component)

This **institutional document**, approved by the board of directors at the end of 2024, contains a section devoted to water management. Various measures are planned: leak detection and sectorisation, monitoring and reduction of drinking water consumption, as well as the reuse of rainwater. The objective is to reduce the institution's water consumption, while at the same time ensuring water quality.

### The Water Living Lab

As part of this ACT programme experimental initiative, which focuses on water consumption and quality on campuses, various projects have emerged. For example, the Campus Pond(s) project, which focuses on the two ponds located in the Peixotto Park botanical garden and in front of Building A33 in Talence, aims to serve as a demonstration project for the preservation of high-quality water bodies in urban areas. In addition to the various projects, an event was held on the Pessac campus, which hosted a temporary exhibition at the University Law and Literature Library, a water village supported by various stakeholders in the field, and an escape game.

**The "Water Savings and Efficiency" call for projects, proposed by the Adour Garonne Agency** as part of this call for projects, the University of Bordeaux has obtained €1.4 million to finance various initiatives aimed at saving water, reducing pressure on water resources, and providing information and raising awareness.



## Clean and Affordable Energy

Guaranteeing universal access to reliable, sustainable, and modern energy services at an affordable cost

### Structural components

#### **The TREFLE department (Institute of Mechanics and Engineering – Institut de Mécanique et d'Ingénierie)**

Within I2M, the teams at **TREFLE** deal with issues relating to fluid mechanics and transfers. It comprises four thematic research groups: one of these, E3BUS, focuses specifically on the issue of energy and environmental efficiency in buildings, common practices, and systems. It thus reconciles environmental and societal issues by combining energy efficiency with the well-being of occupants.

#### **The Bordeaux Institute of Condensed Matter Chemistry (ICMCB, Institut de Chimie de la Matière Condensée de Bordeaux)**

This institute devotes part of its research to energy issues: for example, it possesses expertise in hydrogen storage and also in electrochemical energy storage via lithium batteries, alkaline batteries, as well as micro-batteries.

#### **The ESTIA-Research unit**

A research unit within the Engineering and Digital Sciences Department located in Bidart, **ESTIA-Recherche unit** studies, designs and implements sustainable and empowering interfaces to improve Human-Human, Human-System and System-System interactions. This unit addresses environmental issues in various ways, taking into account questions of circular economy, including through the integration of renewable energies into electricity grids.

#### **The University Diploma in Energy**

Offered by the IUT, the **University Diploma in Energy** is a cross-disciplinary programme (thermal, chemical, electrical, mechanical, life sciences, etc.) in the field of energy. Through

### KEY FIGURES

- › **660** publications
- › **18 %**: Reduction in greenhouse gas emissions related to energy over the period 2022–2024

a variety of teaching formats, the University Diploma in Energy aims to broaden students' knowledge and skills in relation to different forms of energy. It also provides the scientific, technical, and economic foundations necessary for a critical analysis of societal issues related to energy.

#### **The Bachelor of Technology in Electrical Engineering and Industrial Computing, specialising in Electricity and Energy Management**

The objective of this bachelor of technical studies degree is to train students to supervise technical teams and work in collaboration with engineers during the design, testing, and implementation phases in the areas of electrical energy conversion systems production and maintenance processes.

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### News 2024–2025

#### **Design and Synthesis of New Bio-Based Polyamines for the Development of Non-Isocyanate Polyurethanes (NIPUs)**

**This thesis** prepared at the Laboratory of Organic Polymer Chemistry (LCPO, Laboratoire de Chimie des Polymères Organiques), defended in early 2025 by Francesca Chiara Destaso at the doctoral school of Chemical Sciences, comes at a time when oil reserves are becoming increasingly scarce, and the human and environmental costs associated with the use of its derivatives are significant. In order to address this issue, this work focused on the study of more sustainable monomers and polymers.



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### **Multi-Year Property Investment Strategy Plan (energy component)**

This **document** sets out the strategic guidelines and operational objectives for the short, medium, and long term (20 years). The goal is to support the development and transformation of the University of Bordeaux. Among the main priorities are, for example, modernising the portfolio, rationalising spaces, and implementing the energy transition action plan.

### **The Energy Living Lab - Think Green Project**

Like the other Living Labs, **the Energy Living Lab** is based on an interdisciplinary approach and thus mobilises lecturers and researchers from research units in both science and technology departments and social sciences and humanities departments: I2M, LabPsy, BSE, CED, ICMCB, IMS... For example, the Think Green project, launched in 2025 and led by Vincent Marié at Labpsy, aims to promote energy efficiency by specifically targeting the use of fume cupboards in many research laboratories to protect users from chemical hazards. The use of the latter can be particularly energy-intensive if practices are not properly controlled. By associating specific emotions with pro-environmental messages, the project aims to test whether the form of the messages can influence individuals' commitment to energy-saving behaviours.





## Decent Work and Economic Growth

Promoting sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all

### Structural components

#### **The Transformation, Innovation, and Inclusion at Work programme**

This programme from the psychology laboratory (LabPsy) studies current transformations in the world of work, and organisations linked to the emergence of new psychosocial, legal, economic, and governance standards. In particular, it studies how new technologies such as artificial intelligence affect the perception and meaning attributed to work.

#### **The Centre for Comparative Labour and Social Security Law (COMPTRASEC, Centre de droit comparé du travail et de la sécurité sociale )**

Attached to the Department of Law and Social Transformation, the main purpose of this joint research unit is to develop comparative and multidisciplinary research activities in the fields of labour law, industrial relations, social protection, and population sciences. Its missions are structured around two main areas of research:

- › A first area, "Work, Employment and Regulatory Issues", which combines work on the future of salaried employment and changes in labour law
- › A second focus area, 'Social Risks, Solidarity, and Responsibilities,' which combines work on new challenges in social protection and the distribution of responsibilities in the face of health and environmental risks linked to productive activities.

#### KEY FIGURES

- › **227 publications**
- › **2,241** respondents to the Quality of Life at Work questionnaire distributed to university staff at the end of 2024
- › **71 %** of BIATSS staff and **50%** lecturers and research lecturers report working remotely or from home
- › **153** prevention assistants at the University of Bordeaux

#### **The International Chair for Comparative Studies in Occupational Health (CIECST, Chaire Internationale d'études comparées de la santé travail)**

This chair provides a framework for research and exchange for researchers and stakeholders from diverse backgrounds and influences in the field of occupational health. The ultimate goal of CIECST is to build and share knowledge through a platform that connects researchers from different generations, backgrounds, and disciplines. The aim is also to foster dialogue between researchers and citizens.

#### **The Employment and Social Relations Law master's degree**

This master's degree, whose second year is completed on a work-study basis or under a professional training contract, includes a wide range of courses in labour law and emphasises business practice.

#### **The Preventing and Managing Health and Safety Risks in the Workplace university diploma**

Offered by the Labour Institute at the University of Bordeaux, this university diploma from the Faculty of Law, Political Science, Economics, and Management aims to prepare professionals for the measures to be implemented to ensure health and safety in the workplace.





## News 2024–2025

### **The European Sustainability Performances, Evidence, and Scenarios project**

This project, funded as part of Horizon Europe, explores the link between economic growth, human fulfilment, and sustainability. The 10 participants in this project study the pillars of sustainable human development, namely productivity, equality for all, environmental sustainability and participation, and are conducting an in-depth analysis of their performance in Europe and in countries of the Global South.

### **The Organisation of Nuclear Decommissioning Work. Markets, Players, Expertise**

**This thesis**, written by Antonin Cheron, at the Doctoral School of Societies, Politics and Public Health and the Emile Durkheim Centre, takes a look at the organisation of nuclear decommissioning work, which is still in its infancy in France, from a sociological perspective. The issue of job security is addressed in this thesis, particularly with regard to professions where it is hard to recruit personnel.

### **Socialter: Bioeconomy, Doughnut theory... A short glossary of ecological economics**

In this Socialter article, Sylvie Ferrari, a researcher at Bordeaux Economic Sciences, presents ecological economics, which challenges standard economic models. To this end, she draws on various concepts defined in this article: Bioeconomy, Doughnut economics, strong sustainability, co-evolution, etc.

### **The “Improving Production in Business: Student Expectations for Tomorrow's World” Conference**

This conference, organised by the students of the Multidisciplinary Postgraduate Programme (cf. SDG 17) as part of their Produce Better teaching unit, aims to bring together professionals of today and tomorrow. The aim is to assess the environmental and societal expectations of current students with regard to the world of work, and to compare them with the views of professionals.



## Industry, innovation et infrastructure

Building resilient infrastructure, promoting sustainable industrialisation for the benefit of all, and encouraging innovation

### Structural components

#### The InnovationS major programme

This major programme, to take place over 7 years, has the following goals:

- › Developing a distinctive innovation culture within the university, as well as increasing open innovation and entrepreneurship projects
- › Enhancing the appeal of our institution as a "campus of innovation"
- › Promoting the development of new scientific ideas in fields such as health or agricultural environment.

Features of this major programme include the Mini-Boosters programme, for example, which aims to promote third-party open innovation projects, especially ones focusing on the topics of transition and *low tech*.

#### The University Innovation Hub

Confirmed in summer 2023, the **University of Bordeaux University Innovation Hub (PUI)** and its academic partners aims to facilitate and accelerate the exploitation of research results, particularly those whose goal is to provide solutions to current and future climatic, energy, economic, and societal challenges. This programme is part of a partnership scheme with various regional players in the socio-economic sphere.

### KEY FIGURES

- › **641 publications**
- › **150** structures created within the Ubeelab incubator since its creation in 2016
- › **€24.4 million** allocated to the InnovationS programme over 7 years.
- › **338** staff members trained as part of the InnovationS programme

#### The Quality, Safety, and Environment university diploma

This university diploma, offered by the Faculty of Science and Technology, aims to train professionals capable of designing and running an integrated quality, safety, and environmental management system which is able to participate in the improvement of the overall performance of the organisation. The trainees will be capable of applying different organisational systems (quality management) and taking part in the improvement of processes in numerous private and public sector activities.

#### The European Institute of Innovation and Technology (EIT) Advanced Materials for Innovation and Sustainability (AMIS) chemistry master's course

This master's degree, taught in English and offered by the Faculty of Science and Technology, examines the question of replacing toxic substances in products with less harmful





substances, as well as the integration of issues of circular economy into the design of products and services. It focuses principally on metal and mineral raw materials. Many topics have to do with issues of innovation and entrepreneurship.

### **The Ubee Lab incubator**

This incubator supports student entrepreneurs from Bordeaux in developing their projects, and facilitates their entry into the entrepreneurial ecosystem. In order to help fuel the incubatees' creativity, different training and exchange sessions are offered: for example, in 2025 founding members of organisations working in the field of circular economy (GEEV, KEENAT, AC Dimantling) came to present their organisations to the incubatees.

### **FabLab Coh@bit**

This **FabLab** is a space for meetings and creative partnerships in the digital and technology fields. Open to students of the university, it is equipped with numerous machines for prototyping and manufacturing unique objects, as well transforming or repairing everyday items.

## News 2024–2025

### **The 24 hours of innovation**

This edition of the **24 hours of innovation** invited students from different universities and school programmes to reflect on solutions to problematic issues surrounding the challenges of urban mobility. Working in teams, they devised practical solutions to transform everyday mobility in terms of comfort, user-friendliness and ease of travel. Various local stakeholders were also present: Bordeaux Métropole, Keolis Bordeaux Métropole Mobilités, Technowest, as well as French Tech were there to support the participants.

### **The "AI: a State of the Art" Rencard du savoir**

This café debate, organised by the culture department, focused on the role of artificial intelligence in artistic creation. Several questions were addressed here: can a work generated by a machine be considered an artistic creation? What is the role of human beings in this process? How are artists embracing AI? And how does AI use our artistic creations?

### **"Sustainable AI, between Wishful Thinking and Market Opportunity"**

In this article from Libération, Aurélie Bugeau, a researcher at LABRI, is interviewed about the concept of sustainable artificial intelligence. In a context of the expansion of artificial intelligence, which is often perceived as a competitive sector, it sheds light on the resources and energy required to operate artificial intelligence systems.

### **The PhonEthic game**

This serious game, co-designed by the University of Bordeaux and numerous higher education partner institutions, aims to give students, businesses, and citizens concrete ideas for building a more sustainable world. Using smartphones as an example, this game highlights the need to be economically viable, as well as sustainable, when you are a company that designs, manufactures, and markets smartphones.

### **The "Engineer(s) and Ecology" study day**

This study day, jointly organised by various stakeholders in higher education and research, invites reflection on the impact of ecological transition on the engineering profession. The question of responsibilities, career development, and attitudes towards work were particularly emphasised.



## Reduced inequalities

Reducing inequalities in different countries and from one country to another

### Structural components

#### **The Supporting the Elderly university diploma**

This university diploma, offered by the Faculty of Human Sciences, provides skills in supporting elderly people in their living environment (home, institutions), drawing on multidisciplinary knowledge and methods from the field of psychogerontology.

#### **The Supporting Migrants with the Help of Intercultural Psychology university diploma**

This university diploma, offered by the Faculty of Human Sciences, is aimed at professionals and provides them with the keys to understanding the challenges of migration and interculturality, in order to support migrants in their process of integration.

#### **The Expert in Disability university diploma**

This university diploma, offered, by the Institute of Labour, provides knowledge and skills to students on the concept of disability, its legal environment, as well as the role of institutional actors in matters relating to disability. In practical terms, it trains students to guide people who live with disability and gives them the tools to implement an organisation's disability policy.

### KEY FIGURES

- › **234 publications**
- › **Nearly 9 %** of students are from **developing countries**
- › **6.6 %** : proportion of university staff living with a disability as of 31/12/2024

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### ↘ News 2024–2025

#### **"International Students in France: Between Policies Designed to Attract them and Political Exploitation "**

This article, co-authored in The Conversation by Marion Tissier-Raffin, senior lecturer in public law, and Hachem Benissa, postdoctoral researcher, addresses the issue of non-European international students. It analyses in particular the paradox of national and European policies, where students are seen both as a source of international influence and as a pool of skilled labour, but are subject to increased tuition fees and immigration restrictions. The article shows that these various restrictions have a real impact on their integration and success. ....





## News 2024–2025

### **The article "Disability, Employment, and Inclusivity, towards a Reciprocal 'DuoDay'" in The Conversation**

This article written by Éric Dugas, a researcher at LACES, highlights the limits of DuoDay and offers suggestions to make it more inclusive.

Launched in Ireland in 2008 and then introduced in France, DuoDay enables people with disabilities to discover different jobs in companies by forming duos with able-bodied volunteer employees. However, it has two limitations: its short duration and its asymmetrical design, in that only the person living with a disability visits the employer. To address this issue, the researcher recommends a reciprocal duoDay.

### **The survey Income and Wealth Inequality in South India: Results from a Longitudinal Micro-Survey**

The aim of this survey is to measure the extent of inequality in rural areas of southern India, particularly in terms of gender and caste, in a context of entrenched social hierarchies. This survey also aims to track and explain their origin over the last decade.

### **The MAPI "Gender and Diversity Awareness in Teaching Practices" training programme**

This training course, offered by the Support Mission for Teaching and Innovation (MAPI, Mission d'Appui à la Pédagogie et à l'Innovation) and available via Moodle, enables lecturers and research professors to learn about and implement the principles of a teaching approach that is inclusive and sensitive to discrimination.

# FOCUS

## 10 years of the university's Disability Master Plan

Since the creation of the University of Bordeaux in 2014, the development of a disability policy has been a key priority for the institution, through a coordinated strategy led by the university administration. To this end, during each term of office, a disability officer has been appointed to implement a disability master plan (the first of which celebrated its tenth anniversary in 2025).

Support for students with disabilities is provided by the PHASE (University Support Service for Students with Special Needs) service. With its capacity constantly being enhanced since its creation, particularly in terms of human resources, it now employs 10 support officers, spread across the campuses and faculties, and more than 400 student temporary staff. Over the years, the university has supported the individual specialisation of some of these staff members in specific disabilities in order to better adapt to individual needs. The PHASE service works closely with the various student life and training/education/guidance services to support the growing number of students with disabilities (1,500 supported in 2024), and the variety of their profiles. For instance, these students may be offered assistance with note-taking, noise-cancelling headphones, extra time during examinations, or even the services of a sign language interpreter.

Where staff are concerned, 6.6% have stated that they live with a disability. A number of them have joined the 41 disability ambassadors, who are authorised to devote up to 10% of their work time to support, information, and awareness activities.

Since 2014, funds received as part of Operation Campus have made it possible to finance the accessibility of university premises, so that students and staff have access to all places of work and study, as well as services and leisure activities. This concern for physical accessibility is coupled with a focus on digital accessibility: hence, since 2016, the university has appointed a digital accessibility officer, responsible for supporting the implementation of the dedicated

### KEY FIGURES

- › **1,504** students with disabilities supported by the PHASE (University Support Service for Students with Special Needs) service in 2023-2024

master plan, in particular through the provision of tools (online training, practical guidance).

The university's proactive policy is supported by its commitment to the partnerships it maintains: firstly with the Fund for the Integration of People with Disabilities into the Civil Service (FIPHFP, Fonds pour l'Insertion des personnes handicapées dans la fonction publique), with which the university renewed its commitment in 2025, but also with the Departmental Centre for People with Disabilities, by contributing to the "Gironde 100% Inclusive" roadmap, and with the Disability Training Resource Centre.

The year 2024 marked a new turning point for the university's commitment. On the institutional side, this was, first of all, as a result of the University of Bordeaux joining the Atypie-friendly institutions network, which offers resources and support for students and staff with neurodevelopmental disorders (NDDs), as well as for those who come into contact with them in the university context. Then, at the research level, nearly 70 research professors came forward to contribute to a network dedicated to disability-related research. A team from the Cultures, Education, and Societies Laboratory (LACES, Laboratoire Cultures, Education, Sociétés), including PhD student Jeanne Chouvac, and Professor of Education and Training Sciences and Disability Officer at the University of Bordeaux Eric Dugas, is also developing a game aimed at raising awareness among students and staff about disability issues by appealing to their empathy. "Hanpathy", co-funded by the ACT (ANR) major programme, is based on a phygital (physical and digital) escape game for staff, as well as a digital game for students and a wider audience. The aim is to convey messages that target both the emotional and cognitive levels, in order to change behaviours when faced with otherness.



## Sustainable Cities and Communities

Ensuring that cities and human institutions are inclusive, safe, resilient, and sustainable

### KEY FIGURES

- › **241 publications**
- › **562,942 m<sup>2</sup>** of buildings (floor space)
- › **36%**: percentage of staff at Bordeaux campuses who come to work by bicycle (2024 survey):
- › **1,594** staff members regularly cycled or carpoled to work in 2024 and took advantage of the Sustainable Mobility Discount
- › **21** transition ambassadors, and more than **80** transition advisors

### Structural components

#### **The Sustainable Cities and Innovative Buildings Priority Research Programme and Equipment**

This programme aims to contribute to the creation of a community capable of scientifically and technically addressing the challenges of developing sustainable cities and innovative buildings. It is supported locally by teams from the BSE laboratory, which in particular oversees the MESAP Operational Centre, providing researchers and local stakeholders with methods for evaluating urban policies.

#### **The Corporate Societal Responsibility research axis (IRGO)**

This research axis at the Organisational Management Research Institute (IRGO, Institut de recherche en gestion des organisations) focuses on different questions relating to organisational transition. It targets both commercial organisations – more specifically SMEs in the region – and non-commercial

organisations, with analyses focusing on non-profit organisations, social and solidarity economy enterprises, and the public sector.

#### **The Sustainable Cities and Communities bachelor of technical studies degree**

This course, offered by the University Institute of Technology in Périgueux, trains professionals in regional intervention and urban development. More specifically, it provides them with insight into the various challenges facing regions, such as sustainable development, local economic development, improving quality of life, reducing regional, social, and educational inequalities, and enhancing the attractiveness of regions.

#### **The ambassadors of transition network**

This group of twenty or so students, spread across the institution's campuses, raise awareness among the entire community concerning environmental and societal issues through several initiatives: The Green Games, a team competition focusing on transition issues; creating an escape game on water during Water Day (see SDG 6); the organisation of film screenings followed by debates, etc.

#### **The transition advisors network**

Comprising more than 80 researchers, research professors, and university administrative staff, this network aims to raise awareness of environmental and societal transition issues within the various structures, and to exchange and disseminate best practices.





## News 2024–2025

### The "Archaeology in Transition" inter-lab meeting

Bringing together 7 laboratories, both affiliated with and independent from the University of Bordeaux, this event provided the opportunity to share experiences and reflect on the links between archaeological research and environmental and societal transition. Its goal was to come up with dynamics for rethinking archaeology in the face of these transitional challenges.

### The TB Mouv lab

Led by Bordeaux Métropole and Keolis Bordeaux Métropole Mobilités, the **TB Mouv lab** aims to improve everyday mobility in the Bordeaux area. It focuses on three priorities: optimising and improving the quality of urban transport; enhancing safety; and implementing measures to promote sustainable development. At the end of 2024, a framework agreement was signed with Bordeaux INP and the University of Bordeaux to accelerate innovation and research initiatives and their development in the region. This is reflected, for instance, in the launch of a research project entitled Climadata, for which a PhD student will spend three years assessing the effects of climate change on infrastructure.

### Karos

Since early 2024, the University of Bordeaux has been offering its staff and students alternative solutions to using private cars for commuting between home and work or home and place of study via the **Karos carpooling** app. Between its introduction in 2024 and July 2025, more than 7,800 journeys have been made, nearly half of which were less than 10 kilometres.

### The IRGO and IMB air travel charter

As part of the signing of the "Labs in Transition" charter, the Institute for Research in Organisational Management (IRGO) and the Bordeaux Institute of Mathematics (IMB) are implementing measures to reduce their air travel. For example, the IMB has extended the duration of overseas assignments to one week, while the IRGO has restricted the number of people who can present team work at conferences that can only be travelled to by aeroplane. In addition, both organisations have been experimenting with the introduction of air travel quotas, set at 60,000 kilometres per person over a rolling three-year period at the IMB, and 40,000 kilometres under the same criteria at the IRGO.



## Responsible Consumption and Production

Ensuring that cities and human institutions are inclusive, safe, resilient, and sustainable

### KEY FIGURES

- › **297 publications**
- › **1,123 tonnes** of non-hazardous waste produced
- › **39 %** of notified procurement contracts include environmental clauses

## Structural components

### The Aenigme Cross-Border Cooperation Laboratory

This research programme, developed since 2015 as part of the Euskampus-Bordeaux Euroregional Campus, focuses on the impact of eco-design of components and structures and sustainable processes on the behaviour of ecosystem services.

### The Materials Science and Engineering bachelor of technical studies degree

This three-year programme trains specialists in metallic materials, polymers, glass, ceramics, composites, and agro-materials, with a focus on eco-design and recycling. From the second year onwards, the course is available on a work-study basis.

### The Hygiene, Security, and Environment bachelor of technical studies degree

This bachelor of technical studies degree trains the analysis, control and management of occupational, technological, and environmental risks, and the management of crises and emergency situations in companies and/or administrations. It also provides training in promoting quality and health initiatives within companies and/or government departments and in supporting management in these initiatives.

### The TechRen training programme

This continuing education programme offered at the University Technical Institute provides students with in-depth skills to extend the lifespan of digital equipment. At the end of the training programme, they are able to advise users on how to diagnose, repair, and recondition digital equipment to achieve this extension, or how to recycle equipment in accordance with regulations.

## News 2024–2025

### Acetone recycling by the Institute of Molecular Sciences (ISM, Institut des Sciences Moléculaires)

Through the acquisition of a high-performance cooler financed by both the CNRS Low Carbon call for projects and the University of Bordeaux Quickwin call for projects, the ISM is recycling some of its chemical waste into acetone. This purified acetone can then be used for the initial washing of glassware, enabling the laboratory to reduce its carbon footprint while also saving money.

### Launch of the REDPLAST\_UP project

This national programme, launched in January 2025, aims to reduce the use of plastic in research laboratories. It follows on from the REDPLAST project led by the INRAE, which enabled a reduction methodology to be implemented in the first 7 laboratories. The idea is to work with volunteer research teams/units to identify and implement sustainable alternatives to plastic by optimising one or more experimental protocols.

### The recycling of cone racks used in experiments

An initiative has been implemented in the BBS building to commission a company to recycle cone racks as items of furniture.

### Isn't Selling Mineral Water in Bottles just like Being a Plastic Merchant?

In this article in The Conversation, PhD student in law Brice Hauquin addresses this question from a legal perspective of the appropriation of mineral water as a common good by industrialists.



## Measures Relating to the Fight against Climate Change

Taking urgent action to combat climate change and its repercussions

### Structural components

#### The Sciences and Environment doctoral school

It offers doctoral studies in **earth and universe sciences, ecology, environment, archaeology, philosophy, and history of science**. As part of their doctoral theses, PhD students address the following research topics, among others: climate change, pollutants, marine submersion, biodiversity, ecosystem health, and the sustainability of organic farming.

#### The Augmented University for Campus and world Transition programme (ACT)

This 8-year programme aims to contribute to the institution's trajectory by positioning it as an influential player in transition. Its mission is to develop, test, validate and disseminate new ways of addressing major environmental and social problems and issues of economic transition by transforming the university's campuses into a vast living laboratory.

#### TerraDoc

The PhD students' association at the Science and Environment doctoral school aims to bring together young researchers and PhD students. Its goal is to organise events to increase cohesion and mutual support within the community, as well as scientific events open to the general public.

#### KEY FIGURES

- › **450 publications**
- › **63,700 tonnes of CO<sub>2</sub>** equivalent emitted in 2023
- › **-75 %** : greenhouse gas emission reduction target by 2050 (reference year 2022)

#### News 2024–2025

##### Launch of the **FROSTBIT (sustainable refrigeration) European Research Project**

This project, in which the Bordeaux Institute of Condensed Matter Chemistry (ICMCB, Institut de chimie de la matière condensée de Bordeaux) is taking part, seeks to find an alternative to refrigeration systems that emit high levels of greenhouse gases and to develop an all-solid-state system based on spin transition materials instead of the fluids commonly used today.

##### **Is a moment of awakening necessary to start to care about the environment?**

This article, written by Maxence Mautray in The Conversation



## News 2024–2025

presents a nuanced view of the role of moments of awakening in the adoption of a more environmentally friendly way of life: moments of awakening are more conclusions in individual journeys than points of departure. It also appears that environmental awareness is not just a question of motivation, but is heavily dependent on sociological variables, such as gender, age, or degree level.

### **The Association of Masters Degrees in Environment and Ecology of Bordeaux (AMEEB)**

Only recently created, this association offers pedagogical events, scientific outreach, and cohesion for students on masters programmes in Environment and Ecology in Bordeaux (Marine Sciences, Toxicology and Ecotoxicology, Biodiversity, Ecology, and Evolution). It also offers students monitoring and pedagogical support.

### **"How can we better anticipate and manage natural risks?"**

This debate evening, organised by the **Territorial Action** master's programme in public law, focuses on the means and tools available to anticipate and manage natural disasters (floods, cyclones, forest fires), which are becoming more frequent due to global warming.

### **Deployment of the Climate Fresk workshop in secondary schools**

As part of their course, students from the Hygiene, Safety, and Environment bachelor of technical studies programme visit different secondary schools in the region to raise awareness of the **Climate Fresk** among pupils, and at the same time present their university course. By the end of 2024, 685 secondary school pupils in four secondary schools in the Gironde region had taken part in the Climate Fresk as a result.



## Aquatic Life

Conserving and making use of the oceans, seas, and marine resources in a sustainable way in order to achieve sustainable development

### Structural components

#### The Oceanic and Continental Environments and Paleoenvironments (EPOC) joint research unit

This laboratory offers multidisciplinary expertise in aquatic ecotoxicology, ecology and the biogeochemistry of coastal systems. The climatologist and researcher at this laboratory Didier Swingedouw spoke to the general public as part of a **Rencard du Savoir** event to discuss the issue of permafrost, a layer of soil or rock that has been frozen for at least two consecutive years, the melting of which could have unprecedented consequences such as a significant release of greenhouse gases or the release of ancient viruses and bacteria.

#### The Risks and Vulnerability for Coastal Adaptation and Management in Nouvelle-Aquitaine ("RIVAGES" , Risques et Vulnérabilité pour l'Adaptation et la Gestion du littoral en Nouvelle-Aquitaine) regional research network

This R3 network, supported by the regional council, brings together teams from universities in Nouvelle-Aquitaine to study the region's coastlines from an interdisciplinary perspective. Its purpose is to generate research projects and serve as a forum for discussion and collaborative development on environmental and social issues related to the coastline, particularly with regard to adaptation and social justice. A presentation of the network in infographic form, produced as part of the network's annual day, is available [via this link](#).

#### The Marine Sciences master's degree

This master's degree, offered by the Faculty of Science and Technology, provides students with a multi- and interdisciplinary education covering a range of disciplines (marine biology, marine geology, marine ecology, hydrodynamics, marine biogeochemistry, geochemistry, paleoceanography) that contribute to describing and understanding the functioning of ecosystems and sedimentary environments in littoral, coastal and/or deep-sea environments.

#### KEY FIGURES

- › **287 publications**
- › More than **200** people actively mobilised in the EPOC laboratory
- › **3**: number of University of Bordeaux laboratories participating in the R3 Rivages project

#### News 2024–2025

##### Recognising the Ciron river basin as public property

This study by the Gironde department and students of the University of Bordeaux and Sciences Po Bordeaux, seeks to have the **Ciron river basin, located in southern Gironde, recognised as a public good**. This innovative approach makes it possible to grant rights to this basin in order to protect it from deforestation, urban development projects, and overtourism. **The Ciron Public Good (Ciron Bien Commun) association**, created for this purpose in July 2025, has drawn up a declaration of the Ciron valley's rights.

# 14 LIFE BELOW WATER



## News 2024–2025

### **The EmPACT i3 project**

This educational project, launched in 2024 as part of the Campus Euskampus Bordeaux alliance, brings together students from different disciplines, lecturers, and public and private stakeholders, around various environmental issues: the health and sustainability of the oceans, with a focus on plastic pollution, renewable marine energy, and the circular economy. It is therefore based on a challenge-based learning approach: they work with their professors on micro-research projects, in collaboration with entities located on the other side of the border.

### **An experiment on plastic pollution in the oceans**

Between 2020 and 2024, an experiment aimed at measuring plastic pollution in the oceans brought together the sailor Fabrice Amedeo and scientific teams from Ifremer and the University of Bordeaux. Thanks to on-board sensors and after nearly four years of laboratory studies, this unprecedented campaign has delivered its verdict: microplastics are ubiquitous in the ocean; diverse polymers are present; there has been an explosion in the number of small microplastics measuring 100 to 300 microns, and cellulose fibres are also ubiquitous.



## Life on Land

Preserving and restoring land-based ecosystems, ensuring their sustainable use, sustainably managing forests, combatting desertification, stopping and reversing soil degradation, and putting an end to biodiversity loss

### KEY FIGURES

- › **376 publications**
- › **140 hectares** of green spaces,
- › **12 hectares:** surface area of the Floirac experimental forest
- › **3,646 trees** counted on the Talence, Pessac, and Gradignan campuses, including **407** on the Carreire campus. Overall, **429** different species were recorded

## Structural components

### The Biogeco joint research unit

**The research programme of this laboratory focuses on analysing the structure, function, and evolution of biodiversity at different scales of life (from genes to communities of organisms) with a view to the sustainable management of resources and environments.**

### The BIOSENA regional research network (R3)

The Biosena network, which concluded in early March 2025, helped to raise the national and European profile of research conducted on biodiversity conservation in the Nouvelle-Aquitaine region. Through its EPOC laboratory, the University of Bordeaux was part of its steering committee.

### The SPIPOLL participatory science programme

In response to the decline in pollinating insect populations, Spipoll is a national participatory science programme aimed at recording pollinating insects present in a given area. Anyone can photograph flowering plants of their choice, along with any insects that land on them, and then upload the photos to the Spipoll website or app. Organised by the Natural History Museum and the Office for Insects

and their Environment, this programme is supported within the University of Bordeaux by researchers from the BIOGECO (Biodiversity, Genes and Communities) laboratory and the Bordeaux Institute of Mathematics. Samples have been taken at several university locations. The project was selected as a winner of the region's higher education and research (ESR, Enseignement Supérieur et Recherche) call for projects in 2024.

### The Plant Sciences Major Research Programme

This MRP studies how plants mobilise their resources in order to maintain their performance characteristics (growth, stress resistance, quality, yield). This MRP analyses the various trade-offs that plants face (e.g. between defending themselves in the environment and growth).

### The Law and Forest Management university diploma

This university diploma, open to students and staff, is structured around various modules: presentation of forest structures and forest regimes, productive forest management, forest... preservation, etc.



**The Biodiversity, Ecology, and Evolution master's Degree**

This master's degree teaches students how to assess the quality and functioning of (semi-) natural continental environments, how to intervene in their management, and how to provide expertise to researchers, public policy-makers, and managers. It also allows students to pursue a PhD in various fields of terrestrial ecology (community ecology, evolutionary ecology, etc.).

**The Astragalus and the Ant student association**

This association offers various nature-related activities: biodiversity discovery outings, introductory sessions on identifying plant and animal species, organisation of a shared garden based on the principles of permaculture and sustainable agriculture, etc. For example, this year the association organised a nature outing to the Haut-Carré site to discover different varieties of orchids.

**The "Origin Campus" appellation**

This association is working towards establishing a shared garden located on the Pessac site. Open to communities and outsiders alike, its aim is to promote the consumption of organic fruit and vegetables that are accessible to all, while at the same time building social ties between participants.

**ECODOC**

Launched in April 2023, this applied research project aims to design mechanisms for promoting dialogue between scientific knowledge and other forms of knowledge capable of informing decision-making in a context of transition and adaptation. The forest thus becomes a subject of study for examining the effects of the forest on a world undergoing ecological transition, or conversely, for examining the effect of ecological transition on the forest itself.

**The Paths of Time**

This science and society outreach and dialogue project, designed by the Bordeaux Astrophysics Laboratory, offers the public a 13.8 km walking route, representing the 13.8 billion years that separate us from the origin of the universe. A **1/10 scale version** for schoolchildren can be found in the Thouars Forest in Talence, following Sam, an astro-robot, on his journey through the history of the Universe, from the Big Bang to the appearance of Homo sapiens.

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 **News 2024-2025**

**"The Collapse of Biodiversity: what are the Consequences for Human Societies?"**

This conference, organised by the Montesquieu Research Institute and the Bordeaux Economic Sciences laboratory, gave Director of Research at the CNRS and specialist in ecology and biodiversity evolution Tatiana Giraud the opportunity to provide insights into the formation of biodiversity and the factors influencing its dynamics: these elements are indeed essential to a better understanding of the threats to biodiversity.

**The Climate Biodiversity Living Lab**

This Living Lab, inaugurated in 2024, aims to transform the campus into an experimental zone for studying climate change in urban environments. Among the projects launched as part of this Living Lab is the Tree Patrons participatory science project, in which citizens of the metropolitan area become points of contact in their neighbourhoods and communities for questions relating to trees. Their tasks include answering questions from their neighbours, providing advice on planting and care, and raising awareness of the benefits of urban trees.





## Peace, Justice, and Effective Institutions

Promoting the creation of peaceful and inclusive societies for purposes of sustainable development, ensuring access to justice for all and building effective, accountable, and inclusive institutions at all levels

### Structural components

#### The PEPS Research Axis at the Émile Durkheim Centre

The **PEPS** research axis for Politics, Elections, Policies and Societies examines how political activities are shaped by changes in political supply and demand. To this end, the group of twenty or so researchers involved in this research axis investigate the construction of political demand, the role of institutions at different levels, as well as changes in political supply.

#### The History of Law and Institutions master's degree

This master's degree prepares students for legal examinations and introduces them to research in the history of law.

#### The Just'Act association

This student association for law students organises mock trials. It gives its students the opportunity to draft various legal documents (petitions, submissions, court records, judgements) and to play the roles of different protagonists (defendants, accused persons, witnesses, experts, lawyers). The association staged a re-enactment of the 1972 Bobigny trial, for example, including notably Gisèle Halimi's abortion plea.

#### The Law Clinic

Since 2013, law students have been providing free legal information to individuals and organisations who request it, under the supervision of teaching staff. Now an integral part of the teaching curriculum, it also allows for numerous interventions in secondary schools on various topics: presenting legal professions, children's rights, women's rights, cyberbullying, discrimination, etc.

#### KEY FIGURES

- › **172 publications**
- › **5 mock trials** organised by the Just'Act association every year
- › Approximately **400 students** who interact with Members of Parliament as part of the Hémicycle project (see presentation on page 42)

#### News 2024–2025

##### The EMMELO (European Men, Masculinity and Extremist Leadership Online) Project

This European project, launched in May 2025 for a period of three years, examines the role of masculinity in extremist movements across Europe and the threat this poses to democracy, fundamental rights, and the values of the European Union. The aim of the project is thus to examine how extremist movements and their leaders in six countries exploit different forms of masculinity to attract men and undermine traditional democratic discourse in trans-European contexts.

##### Migration, Asylum, and Frontiers in Réunion and Mayotte (MIGRAF)

This research project, organised by various laboratories in Bordeaux with the Centre for Human Sciences, proposes to compare migration policies, the implementation of asylum procedures, and methods of integration in two territories in the Indian Ocean region: Mayotte and Réunion.

# 16 PEACE, JUSTICE AND STRONG INSTITUTIONS



## News 2024–2025

### "The Voting Age. Beyond the Right to Vote at 18"

This multidisciplinary symposium, organised by CERCACLE and the Montesquieu Centre for Political Research at the IRM, brought together various French and international specialists to discuss lowering the voting age to 16 or 17.

### "The Redefinition of Rape from the Point of View of the Notion of Consent"

This **webinar** aims to address the evolution of the notion of consent and its consequences for the treatment of rape victims, and how they are cared for, from both medical and legal perspectives. The webinar, which involves therapists, legal professionals, and sociologists, is part of a broader programme of webinars for the general public offered by the Law and Social Change (DETS, Droit et Transformations Sociales) research department.

### 20 Years of the Environment Charter

Organised by the CERCACLE and the CRDEI, this symposium aims to take stock of the achievements and drawbacks of **the Environmental Charter**, which was adopted 20 years ago. The day provided an opportunity to examine the effects of this constitutional law, which proclaims citizens' rights and duties with regard to the environment. The discussions focused on four areas: regulatory density, appeal, permitted protection, and the limits of this protection.

### The Democracy at University teaching unit

In this teaching unit, organised by Sandrine Rui, bachelor students of sociology, anthropology, and CPES were required to respond to the following question: "Is the democratic framework at the University of Bordeaux suited to the dispositions, aspirations and constraints of students, or should changes be introduced?" The report published **here** sets out various proposals to get students more involved in the democratic life of the institution and increase their sense of belonging: the creation of a student parliament, the production of themed newsletters, the organisation of inter-faculty events, etc.

### The Hémicycle project, incubated in the UbeeLab programme

This project, created by, Tom Laporte, a philosophy student at Bordeaux Montaigne University and university diploma student in Tools of Entrepreneurship at the University of Bordeaux, aims to give young people political autonomy and interest them in politics in a non-partisan way. The project, launched in October 2024, thus facilitates direct exchanges between students from different campuses and members of Parliament for these regions via a platform where members of Parliament take turns to publish summaries of their day, explain their voting choices, and answer questions from students in the group.



## Partnerships for the Achievement of Goals

Strengthening the means to implement the Global Partnership for Development and revitalise it

### KEY FIGURES

- › Approximately **70** participants at the third edition of the Rencontres des transitions (lit. Meetings of Transition)
- › **10** universities in the Enlight network

### Structural components

#### **The Enlight 2.0** project

Following on from the work carried out as part of the European Enlight alliance, the Enlight 2.0 project, which now includes 10 universities, aims to create a broad partnership for training and research at the European level, promoting a greener, healthier, fairer, and more sustainable Europe.

#### **France Universities**

This association brings together the presidents of institutions of public higher education and research and enables them to make their voices heard by government and local authority officials. One of its four priorities focuses on ecological and societal transitions, which the University of Bordeaux participates in, especially through its participation in the monthly meetings of the dedicated commission.

#### **The Trophées des assos (lit. Association Awards)**

Held annually during the Festival of the Committed (Festival des engagés), **this awards ceremony** showcases projects supported by student associations in various categories: citizenship, sustainable development, inclusion, and culture. Among the projects which received awards in 2024 are:

- › The creation of a second-hand sports equipment shop run by the BDE STAPS student union in Bordeaux in the Sustainable Development category

- › Integration days for students of individual mobility, organised by the M-TECH student association in the Inclusion category.

#### **The Management of Non-Profit Organisations** master's year 2 programme

This continuing education course, offered by the Institute of Business Administration (IAE, Institut d'Administration des Entreprises), trains future directors, managers, executives and, more broadly, individuals to take on positions of responsibility in non-profit organisations. The skills acquired by completing the programme thus enable students to grasp the various facets and complexities of managing these organisations by acquiring expertise in finance, accounting, management, and strategy.

#### **The CSR Management** master's year 2 programme (IAE)

This continuing education master's degree provides future professionals with skills in CSR development and management, as well as in areas such as social dialogue, the circular economy, and green finance.

#### **The Rencontres des transitions**

This **third edition of the Rencontres des transitions**, co-organised for the first time with Bordeaux Métropole, brought together various stakeholders (university staff, students, public institutions, associations, businesses, etc.) around three themes:



- › Carbon neutrality, focusing on ways of working that aim to reduce the carbon footprint of organisations
- › Eco-citizen mobilisation with the issue of change management
- › Water pollution and the challenges posed by micropollutants

The aim of this annual event is to generate projects that are then supported by the various organisations present: an experiment in social psychology, resulting from the first workshop and aimed at changing behaviour in relation to home-to-work commuting, has already been carried out.

### **The Urban Forum**

This event brings together scientists and professionals from the city to address the various economic, social, and environmental challenges facing urban areas, with the aim of shaping the sustainable city of tomorrow. For example, in May 2025, a round table discussion gathered various stakeholders in Bordeaux to discuss Julien Talpin's book *La colère des quartiers populaires* (The Anger of Working-Class Neighbourhoods), which addresses the issue of politicisation in the working-class neighbourhoods of Roubaix.

## News 2024–2025

### **The Get Moving (Bascule) Festival**

The **second edition of this festival**, focusing on physical activity and sport, addressed the issue of integrating environmental and societal transition challenges into sporting practices, with a round table discussion bringing together various sports people. It also promoted intergenerational exchanges, particularly between sports science students and residents of various care homes in the region, who took part in an inter-care home sports competition.

### **The European ABCD-Acting by collaborating differently project**

This project, financed by the European Union as part of the "100 Climate-Neutral and Smart Cities by 2030" aims to accelerate the region's ecological transition. Led by Bordeaux Métropole and the University of Bordeaux, its goal is to bring together and create synergies between different stakeholders, in order to conduct multidisciplinary experiments.

### **The Find your Association Fair**

For the third year in a row, the Techniques of Commercialisation bachelor of technical studies programme is organising an associations fair on the Périgord campus aimed at encouraging campus students to get involved in associations promoting environmental and societal transitions.

### **The Recol'Terra consortium**

The University of Bordeaux is part of the **Recol'Terra project**, led by Bordeaux Métropole. The aim of this project is to relocalise food production in the region, support sustainable agriculture and promote better distribution of local products. It brings together 44 stakeholders representing the agricultural and food system.

# FOCUS

## Futurs-ACT

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Futurs-ACT is a regional research network (R3) dedicated to anticipating climate change in regions which are in transition. Created on the initiative of the Nouvelle-Aquitaine Regional Council in 2018, it constitutes a continuation of the Regional Scientific Committee on Climate Change (AcclimaTerra) and aims to promote research on climate change adaptation at the regional level through research projects, thematic action groups, and projects designed to publicise the themes of its work to local stakeholders.

By definition a partnership network, Futurs-ACT is a member of INBOA, an international network of frontier organisations in adaptation, which brings together organisations from around the world acting as intermediaries between the world of science and the world of politics on adaptation issues.

Professor of the University of Bordeaux in the EPOC joint research Unit, Benoît Sautour, is currently the director of Futurs-ACT. 15 partner institutions in the world of research, including the University of Bordeaux, INRAE, Sciences po Bordeaux, Bordeaux Sciences Agro, and Bordeaux INP, rely on the network to set up collaborative research projects, as well as to produce resources and training programmes.

### KEY FIGURES

- › **88** higher education and research laboratories
- › **15** research bodies
- › More than **400** scientists
- › **22** certified projects approved for funding

The University of Bordeaux is heavily involved in several research projects that are part of Futurs-ACT:

- › The impact of climate change on plant performance (Fruit Biology and Pathology Research Units and Membrane Biogenesis Laboratory)
- › Digital twins for urban infrastructure resilience (BSE and INRAE)
- › Participatory iconography for shoreline memory (PASSAGES joint research unit)
- › Scientists and their role in political responses to climate change (Emile Durkheim Centre)
- › Study of the properties of particles of atmospheric interest (ISM and EPOC)
- › Reintroduction of the European sturgeon.

Futurs-ACT also supports the SUNSET institutional project as part of the Sciences with and for Society (SAPS, Sciences Avec et Pour la Société) label at the University of Bordeaux, which aims to democratise knowledge of the scientific method and co-construct an open debate across the region on the major challenges of transition by experimenting with solutions and sharing scientific expertise.

In 2025, the University of Bordeaux hosted the fourth edition of the Futurs-ACT Springboard (Tremplin Futurs-ACT), which brought together nearly 140 scientists, representatives of civil society, students and citizens. Futurs-ACT also supported the organisation of the annual seminar of the governing body of the University of Bordeaux, on the theme of transitions and the institution's adaptation to climate change, with the support of ADEME and the participation of the Research Institute for Development (IRD, Institut de Recherche pour le Développement).

**En savoir +**

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