

.....ACTIVITY REPORT

2022



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NB: ALL FUNCTIONS MENTIONED IN THE 2022 ACTIVITY REPORT MAY BE CARRIED OUT BY BOTH MEN AND WOMEN.

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CLAUDE BERNARD LYON 1 UNIVERSITY IN FIGURES



46,688
STUDENTS

4,601
STAFF
INCLUDING
2,840
FACULTY
MEMBERS

LYON 1
BUDGET
479.3
MILLION
EUROS

3
CAMPUSES
11
SITES



62
RESEARCH
LABORATORIES

No. 1
FRENCH
UNIVERSITY
IN TERMS OF
PATENTS FILED

€27.8M
IN RESEARCH
CONTRACTS

AMONG
THE TOP **10**
FRENCH
UNIVERSITIES
IN THE
SHANGHAI
RANKING



17
BACHELOR DEGREES

47
MASTER DEGREES



10
HEALTHCARE
DIPLOMAS

€25.8M
IN REVENUE
FROM CONTINUING
EDUCATION IN 2022

80
START-UPS
CREATED SINCE 2011

< Photo on the left:

Aerial view of the LyonTech campus - la Doua

Drone pilot: Philippe Grandjean / Sylvain Augier / Geology Department Photos: © Eric Le Roux

Frédéric Fleury

*President of
Claude Bernard Lyon 1 University*



EDITORIAL

We are very proud to present the University's 2022 Activity Report. Over the course of the year, we continued to shape our institution as an intensive and inclusive world-class university, while reinforcing our commitment to academic excellence, quality of life at work and student life.

This was a year of assessment for the institution by the French Higher Education and Research Assessment Board (HCERES), whose experts underlined that the University's

performance had 'substantially' progressed over the past five years. These positive results acknowledge the quality of the educational offer, study environment and welcome of students, the high level of our research and our administrative efficiency, made possible thanks to engaged staff.

2022 was a record year for continuing education at Lyon 1 University, generating €25.8 million. In initial education, we collectively deployed a new educational offer whose content guarantees students a solid grounding and cutting-edge expertise in their chosen fields of study. This was also very positively assessed by HCERES, which accredited all programmes for the next five years.

To support this evolution in our educational offer, our University submitted and won funding for several France 2030 projects, such as SCALE, REMED and EID@Lyon. These results acknowledge the work of our community to transform our courses in response to societal, technical, industrial and environmental challenges.

We pursued our commitment to student success thanks to the deployment of schemes enabling students to change course, tailor their studies and obtain better support. We continued to strive even more for student well-being and inclusion, in particular with the launch of the INCLUDE project for an inclusive university, winner of the AMI DemoES.

At the same time, the University continued its international development and the internationalisation of its courses thanks to projects like GRADUATE +, a winner of the SFRI call for projects, set to be rolled out in the months to come. We continue to encourage our students to take advantage of international

mobility, in particular in Europe thanks to the ARQUS alliance, confirmed by the European Commission as constituting a European university. This alliance also facilitates scientific collaboration between researchers of the member universities, thereby contributing to the development of the European dimension of Higher Education and Research.

As a research-intensive university and member of UDICE (union of 10 leading French universities), 2022 was an exceptional year for us in terms of scientific discovery and innovation. With 7,500 publications in international journals, we are ranked 6th among French universities in terms of scientific output. With regard to innovation and the valorisation of research, Lyon 1 was the top university for patents filed according to INPI (the French national institute of industrial property).

In the field of health, we continued to strengthen our partnership with Hospices Civils de Lyon (HCL). The consolidation of the partnership between the university hospital (CHU) and the University, unique in France, benefited from the exceptional dynamism generated by large-scale shared projects such as Simulyon and SHAPeMed@Lyon. This project, one of the winners of the PIA 4 Excellences future investment programme, is driven by the successful mobilisation of communities within the consortium members interested in developing transdisciplinary research into health in Lyon, based on a "One Health" approach.

Lyon 1 University aims to commit more strongly and set a real example in the years to come with regard to environmental issues. Training for all students and staff and the reduction of energy consumption are major priorities in

the University's energy efficiency plan, which is paving the way for a broader and more ambitious strategy to reduce the institution's environmental footprint and ensure the environmental sustainability of our activities.

Despite the budgetary constraints linked to inflation, our University remained financially sound in 2022. Our own resources and controlled budgetary management provided us with room for manoeuvre to raise pay, award all staff an exceptional bonus, maintain all jobs and create new ones. The Quality of Life at Work plan continues to be rolled out to improve the working environment and well-being of agents, for whom a range of actions are also provided by the General Social Action Service.

2022 was an intense year for the site restructuration plan, PLURIEL2024, which we are carrying out with our partners at Lumière Lyon 2 University and the Lyon Chemistry, Physics and Electronics Graduate School (CPE Lyon). We are determined to create this multidisciplinary university, which will structure the academic site in Lyon and strengthen our institution's capacity to provide comprehensive responses to the need for education, research, innovation and relations with society.

To conclude, I would like to warmly thank the students, faculty members, administrative staff, our partners and all those who contribute every day to making our University such a great institution, building academic excellence and offering the younger generations a promising future.



AN ATTRACTIVE AND INCLUSIVE EDUCATIONAL OFFER

The educational offer at Lyon 1 University addresses a diverse student population and seeks to attract and accompany as many as possible towards success and professional integration. The overall rise in numbers on the University's courses and the increasing success rate reflects a committed policy with regard to welcoming students, particularly all new first-year undergraduates, in keeping with University's public service mission.

The current educational offer of Lyon 1 University, and that of the future experimental public establishment (EPE), must address a threefold challenge consisting of decompartmentalising and professionalising courses and training students to be informed and responsible citizens.

In this context, the University aims to constantly improve and diversify its educational offer to better meet student expectations and the needs of the socio-economic world in terms of training and skills. To achieve this, the educational offer must take into account the diversity of the student population and enable the University to fulfil its social mobility role in full. In particular, the new 2022-2026 accreditation provides for new Bachelor and Master degrees in innovative sectors preparing students for the jobs of the future. In this same spirit, the University is developing a series of actions to ensure the success of as many students as possible, at all academic levels, by placing at the heart of the establishment's project the achievement of ambitious goals in terms of the personalisation and professionalisation of courses. This strategy goes hand-in-hand with a policy to improve the well-being and inclusion of students, which are key to student success, and with the implementation of schemes to improve the students' study environment, personal fulfilment and quality of life.

< Photo on the left:

Tutorat Lyon-Est.

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TAILORED COURSES EVOLVING IN LINE WITH SOCIETY'S NEEDS

2022 saw the implementation of the new educational offer of Lyon 1 University, including new degrees such as double degrees in Electronics, Electrical Energy and Automation – Physics and Mathematics – Economics, the Master in Automation and Robotics, the Master

in Life Sciences and the preparatory Scientific and Technical University Diploma (DEUST) in Pharmacy. Our educational offer makes full use of teaching innovations and is adapting to societal and environmental challenges.

..> A rich and attractive educational offer

The University's teaching teams and faculties have designed a new course brochure. The 2022-2027 educational offer, accredited by HCERES, thus proposes 17 bachelor degrees and 47 master degrees; 10 healthcare diplomas and 6 engineering courses; 11 BUT courses and 43 professional bachelor diplomas. Thanks to an initial education offer combined with excellent research, our students benefit from cutting-edge expertise in their chosen fields of study.

..> Student success

The University is committed to forging better links with secondary schools to ensure better guidance for pupils. It is therefore creating pathways between courses to enable students to tailor their course or change courses, as well as setting up monitoring and support schemes. It also proposes different paces of learning, with four-year bachelor degrees, reinforced courses and adaptations for students who are also high-level athletes. Tutoring continues to grow, increasing from 9,000 hours in 2020 to more than 18,000 hours in 2022. These schemes have borne fruit, with an increase of more than 10% in academic success among first-year students over the past six years.

..> Evaluation of learning experiences

In 2022, 55% of degrees were subject to the learning experience evaluation (EEA), a scheme to collect students' impressions about how they work and learn on a particular course. The goal is to reach 100% by 2026.

..> Campuses of professions and qualifications (CMQ)

In the context of the "-3/+3" concept to ensure a smoother transition from secondary to higher education, Lyon 1 is developing research/education/employment collaboration thanks to partnerships involving the academic region in full, via CMQs of excellence in the fields of "Auto'Mobilities", "Intelligent Light and Sustainable Lighting Solutions", "Chemistry" and "Urban Planning and Construction, Towards an Intelligent City".

..> New university cursus (NCU)

Lyon is taking part in the NCU CURSIS+ programme with schemes to personalise courses with better modularisation of all bachelor courses. These consist in decompartmentalising and professionalising the bachelor degree to help students integrate the job market.

..> Double degree programmes

In 2022, the University continued to develop double degree programmes:

- > The double bachelor degree in Maths and Economics combines scientific decision-making disciplines such as mathematics, computer science, operational research and data science, with the economic and social sciences.
- > The double bachelor degree in Electronics, Electrical Energy and Automation, on the one hand, and Physics, on the other, proposes reinforced content enabling students to obtain both degrees in three years.

INITIAL EDUCATION IN FIGURES

Number of graduates 2021-2022*:



Professional integration:

PROFESSIONAL BACHELOR DIPLOMAS**



MASTER** (excluding masters in teaching, education and training)



ENGINEER***



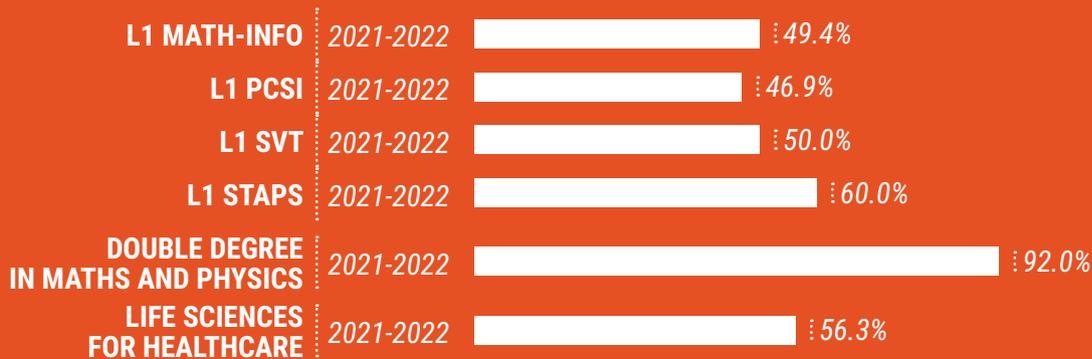
HEALTHCARE PROGRAMMES
10 degrees



BACHELOR
17 degrees

MASTER
47 degrees

Success rate among first-year undergraduates:



46,688
STUDENTS



17,232
NEW ENROLMENTS
AT LYON 1



70
GAP YEARS
FOR 2021-2022

* main enrolments only (enquiry: 15/05/2023)

** 30 months after graduating – excluding further study

*** 18 months after graduating

THE GRADUATE + PROJECT, STRUCTURING EDUCATION THROUGH RESEARCH

Winner of the ANR's Structuring Education Through Research in Initiatives of Excellence call for projects, SFRI GRADUATE + unites Lyon 1 University, the project coordinator, Jean Moulin University and ENS Lyon around the common goal of forging stronger, higher

level links between education and research focusing on 3 main priorities: societal, environmental and digital transitions; health; and ecoresponsible materials, energy and mobility.

→ The objectives of GRADUATE +

GRADUATE+ aims to promote the spread of research thanks to the highest possible level of training both for students planning to remain in academia and for those planning to apply their scientific thinking and methodology in other professional environments.

→ Implementation in 3 phases

With €13 million in funding under the France 2030 programme, the project will be implemented in 3 phases – deployment, extension and dissemination –, with the possibility of adding new initiatives from 2025 onwards.

→ Structured into 15 Graduate initiatives

The project is structured into 15 Graduate Initiatives (GI), selected based on their contribution to the academic strategy, their excellence in research and education and their capacity to adapt to the common Graduate+ standards. A set of common standards will be developed and adopted by the GIs, with the aim of attracting the best students, providing a stimulating environment and setting up quality processes in line with the highest international standards.

THE GRADUATE + PROJECT IS STRUCTURED INTO 15 PILOT GRADUATE INITIATIVES BASED ON 3 PRIORITY THEMES:

FUNDAMENTAL
SCIENCES

PRIORITY 1

HEALTHCARE

PRIORITY 2

ECORESPONSIBLE MATERIALS,
ENERGY AND MOBILITY

PRIORITY 3

SOCIETAL, ENVIRONMENTAL
AND DIGITAL TRANSITIONS



The NeuroMyoGène Institute (INMG), one of the laboratories involved in the Graduate+ project, as part of the MUSKLE Graduate initiative

© Eric Le Roux

TRANSFORMING OUR COURSES, PREPARING FOR THE JOBS OF THE FUTURE

Lyon 1 is transforming its courses to bring them into line with future challenges and the needs of socio-economic actors in the region. To this end, it is involved in a number of “Future Skills and Professions” (CMA) and “Campuses of Professions and Qualifications” (CMQ) projects, either as project leader or partner. These programmes

constitute veritable tools to enable the University to adapt its courses and prepare the next generation of talent for future business sectors.

..> LeD, PIA 3 Campuses of professions and qualifications (CMQ)

Led by Lyon 1 and a consortium composed of the Cluster Lumière, ENTPE and the Canopé network, LeD aims to develop strategies linking education, research and professionalisation under the CMQ of excellence entitled “Intelligent Light and Sustainable Lighting Solutions” at national and international level.

..> REMED, France 2030, AMI Future Skills and Professions

The REMED project, led by Lyon 1, aims to meet the skills needs of industry faced with the challenge of decarbonising

mobility. Its goal: to train future generations by creating and/or enriching courses linked to decarbonised forms of mobility, how they are powered and taking into account new forms of use.

..> Digital FCU

Lyon 1 is taking part in the DIGITAL FCU project, the aim of which is to transform the field of continuing education at university with and via digital technology, by targeting broad communities of trainers in public and private spheres with the aim of adapting it to changes in modes and formats of learning, professions and skills and the competitive issues surrounding digital technology.

FUTURE SKILLS AND PROFESSIONS (CMA) PROJECTS INVOLVING LYON 1 UNIVERSITY

PROJECT NAME	FUNDING	YEAR OBTAINED	DURATION
REMED, France2030	€21m	2022	5 years
EDLB, France 2030	€19.8m	2022	5 years
FOREP – Vé 2030	€18.3m	2023	5 years
SCALE, DEFFINUM	€4.323m	2022	3 years
EUR EID@Lyon	€6m	2022	5 years
Digital FCU, France 2030	€4.705m	2022	5 years

FURTHER DEVELOPMENT OF LIFELONG LEARNING

With €25.8 million in revenue for continuing education, 2022 was an exceptional year for Lyon 1 University. This result reflects the University's commitment to invest in work-study courses and to meet its regulatory obligations, in particular the Qualiopi quality guidelines, the reference

for benefiting from pooled funding. Apprenticeship also continues to grow at Lyon 1 University, with a 35% increase in students on apprenticeship contracts between 2021 and 2022.

..> 20th anniversary of VAE

Validation of Experience (VAE) grew significantly during its first decade, after which numbers stabilised. At our University, more than 2,000 jury decisions have been signed covering more than 200 qualifications. Lyon 1 University is one of the most committed universities to VAE and all faculties are concerned.

..> An opportunity to bring together all actors involved in VAE

On 19 September 2022, a conference bringing together all Lyon 1 staff, past and current VAE candidates, members of external juries, the network of regional certifiers and the Continuing Education Department (FCU) was organised to celebrate twenty years of VAE and increase the visibility of our University within the VAE ecosystem. The strength of Lyon 1 University with regard to continuing education and its experience in VAE make it well-placed to respond to the new challenges of building a nation of skills.

..> Dynamic learning

In September 2022, 7 new courses were opened up to apprenticeship at Lyon 1 (excluding the IUT), covering fields as varied as Bioscience, Electricity and Electronics, Management, Pharmaceuticals, Marine Biology and Computer Science. All these courses correspond to the needs of the job market and of the professions that future graduates are likely to enter. These new courses generated around 30 apprenticeship contracts in 2022, adding to the growing number of courses already available.

..> Work-study contracts at IUT Lyon 1

At IUT Lyon 1 (the University Institute of Technology), the 2nd year of the Technological University Bachelor degree (BUT) was carried out in work-study format for certain courses*, concerning around 100 students. Apprenticeship will become the general norm for the 3rd year of the 14 BUT courses. In addition, in 2022, the recording of attendance was digitised for a number of work-study courses using the software TOMUSS, and applications for the Apprentice Training Centre (CFA) were submitted via the OFA LINK platform, thus facilitating the processing of applications and the preparation of training contracts.

*Chemical Engineering - Process Engineering, Mechanical Engineering and Computer-Integrated Manufacturing, Corporate and Administration Management, Marketing Techniques: either traditional or industrial systems-oriented



4,320

**PARTICIPANTS
IN CONTINUING
EDUCATION**



3,357

**WORK-STUDY
CONTRACTS**



**€25.8M
IN REVENUE**



VAE 20-year anniversary conference held on 19 September 2022

© D. R.

..... **For 2023**

In 2023, one of our major goals is to develop communication around Continuing Education. We plan to maximise our visibility for a vast range of individuals including the general public, socio-economic partners and institutional funding bodies. An action plan will be implemented over the course of the 2023-2024 academic year to target these groups more precisely: launch of Continuing Education on the social networks (in particular LinkedIn); reinforcement

of our participation in student fairs and trade fairs; redesign of our communication materials (brochures and course leaflets); and the creation of a monthly newsletter (internal and external).



Party at the Transbordeur
Student Integration Week, September 2022
© Eric Le Roux

> *Promoting students' success
and well-being*

FACILITIES AND ACTIVITIES ON CAMPUSES FOR A FULFILLING STUDENT LIFE

In terms of student life, the University aims to provide facilities and organise activities on campus, both for and with students. Thanks to all the different departments and faculties and the commitment of its many student associations and elected representatives, the University

is able to propose and continually enhance a high-quality offer of service in a variety of areas including culture, sport, health, citizenship and campus life.

..> New informal spaces for student life

Several spaces for student life, both internal and external, have been created at the University's sites, such as in the Déambulatoire and Thémis buildings on the LyonTech - La Doua campus, for example. These spaces enhance student life on campus, providing students with places to rest, socialise and work.

..> 2nd edition of the "All Connected" scheme

All Connected, the computer loan scheme, is the flagship component of the INCLUDE project and was first launched during the Covid-19 crisis in order to close the digital divide. It managed a fleet of 2,000 computers in 2022. 524 machines were distributed in 2022, 28% of which to first-year students.

..> Integration Week

Organised on all 3 campuses – LyonTech - La Doua, Santé Lyon-Sud and Santé Lyon-Est and ISTR –, the 2022 Integration Week provided new students with an opportunity to discover their university. The programme included informative events, meetings with the teaching teams and university services, an association village and a giant escape game. A great party was held on the last night at the Transbordeur music venue in Villeurbanne. In total, 16,000 students took part in this year's Integration Week.

..> Promotion of soft mobility

To encourage the use of soft modes of mobility, Lyon 1 University has rolled out a multi-year scheme for bikes and scooters with the installation of secure shelters on its campuses. This is accompanied by a bike loan service for the year.



One of the new informal spaces for students in the Déambulatoire building on the LyonTech - La Doua campus.

© Eric Le Roux

INCLUDE: FOR AN INCLUSIVE UNIVERSITY

2022 marked the first year of implementation of the INCLUDE digital demonstrator, led by Lyon 1. This project focuses on learner inclusion in higher education and aims to create more accessible learning environments adapted for people with diverse spatial, temporal and cognitive needs, based on digital technology.

The different actions set up reaffirm Lyon 1's capacity for innovation in its teaching methods, fostering collaboration, particularly in the sector of EdTech, and reinforcing the regional integration of its courses.

..> Initiation of a student health and well-being barometer

In order to measure student well-being and take action where needed, the Include Lab initiated a collective reflection process involving 59 members of staff and students. Their ideas led to the creation of a new scheme for the expression and collection of student feedback, in order to take matters concerning student health and well-being fully into account in the University's various projects.

..> Opening of the first Include Campus

In September, with the support of the Ain Department and of the Region, the University opened its first Include Campus dedicated to the "Specific Access to Healthcare Programme" (PASS), offering 50 places at its campus in Bourg-en-Bresse. This will enable students to follow courses taught by the Lyon-Est Faculty remotely, thanks to an innovative system of hybrid education.

..> Launch of the first Include Lab workshops

Various upskilling and brainstorming workshops were organised on the following themes: "the digital educational ecosystem in higher education", "legal tools for a digital solution" and "student well-being", as well as two inter-institutional seminars on inclusion.

..> Two partnerships to promote student inclusion

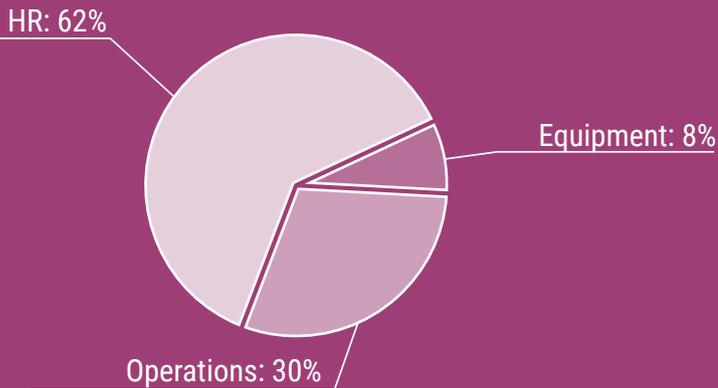
Through its partnership with Aspie-Friendly, INCLUDE is intensifying its links with actors in the field of university inclusion and the exchange of expertise with regard to accessibility on campus, both educational and physical. The partnership with the Blaise Pascal Foundation will make it possible to take action against self-censorship among students.

include
pour une université inclusive

anr[®]



2022 budget:
€7 million (ANR grant)
+ €9 million in own resources, allocated as follows:



1 
UNIFYING PROJECT
 LYON - SAINT-ÉTIENNE


21
MEMBERS
 OF THE
 CONSORTIUM
 AND PARTNERS


15
ACTIONS

For 2023

2023 will see the concrete implementation and development of a large number of INCLUDE projects, in particular thanks to progress made on its various actions including the deployment of the Jupyter platform and the launch of the immersive first aid training course. In September 2023, a third "access to healthcare" (PASS) minor option in "Law" will be proposed in Bourg-en-Bresse, offering 25 additional places. An Include campus will open at the INSA Lyon site in

Oyannax, providing access to more than 150 online courses leading to qualifications in a number of fields, and two will be in the process of being deployed in Aubenas (opening of a PASS) and in Valserhône (opening of an L1 PCSI).

HEALTH, WELL-BEING AND INCLUSION

Student health and well-being remain more than ever a priority for Lyon 1 University and are taken into account by all involved in the University. The University Health Service, in particular, provides medical and paramedical

appointments, while the Disability Mission strives to ensure the success and well-being of all our students with disabilities.

..> Student healthcare provided by the SSU

In 2022, the University Health Service (SSU) provided more than 13,000 appointments, thanks to its team composed in 2022 of 5 doctors, 5 nurses, 5 psychologists and 2 psychiatrists.

..> Student well-being, a major concern for the SSU

In 2022, the SSU offered nutritional consultations, animal mediation sessions as well as massages and meditation sessions to help students take care of themselves. A well-being weekend was also organised at the end of November in Bauges for 12 students.

..> Students supported by the Disability Mission

In 2022, the Disability Mission against supported 1,040 students and mobilised 95 paid students, 4 temporary staff and 6 volunteers to provide personal assistance (note-takers, readers/writers, etc.).

..> A concerted plan of action following the "Inclusive University Library" survey conducted in the spring

Thanks to the survey conducted in partnership with the SSE, the Disability Mission and the Equality and Diversity Mission, the Lyon 1 university libraries drew up proposals for inclusive actions and changes enabling students to make use of their services or promoting their well-being.

Covid testing campaign conducted by the SSU with Lyon 1 students: 19 February 2022.
© Eric Le Roux




5,684
STUDENTS
CARED FOR
BY THE SSU

820
ADAPTIVE MEASURES
FOR STUDENTS
WITH DISABILITIES

..... **For 2023**

Student health and well-being will continue to constitute priorities for the University in 2023. In order to align our actions as closely as possible with the needs of students, student feedback will be formalised by the launch of a new scheme: the student well-being barometer. 2023 will also see the implementation of the new multi-year Disability Master Plan (2022 - 2026), adopted by the President of Lyon 1 University.

ACCESS TO SPORT AND CULTURE FOR ALL

Lyon 1 University offers a high quality of student life in terms of culture and sport on its campuses. Students can take part in a variety of sporting and cultural workshops and events thanks to several facilities and a range of

infrastructure on campus. Each year, cultural events and actions are organised and students can practise the sports of their choice.

..> Art workshops

Dance, theatre, music, visual arts, literature: the University proposes a number of artistic and cultural workshops run by professional artists. At the end of the year, students can present their work during the "Arthémiades" festival.

..> Arts and science residency

In 2022, the Faculty of Pharmacy hosted the artist Valentine de Lussy for a project examining the history of medicine. She ran a documentary comic book workshop for students, who also benefited from an introduction to conducting interviews with researchers and learned how to produce a podcast.

..> Cultural competitions and calls for projects

The University proposes a number of competitions and calls for projects, such as: Jets d'Encre (writing), Tremplin Arty (visual arts) and Gaming Series (video games). Free contributions are also welcome in the framework of National High Education Arts and Culture Days.

..> University competition

For the 3rd time in 5 years, the Lyon Sports Association came 1st in the national sports association challenge. Thanks to its 1,825 student competitors and the high-quality coaching provided by staff of the SUAPS, the Lyon 1 Sports Association displayed our University's colours with style and panache both in French university championships and on the international stage at the EUSA Games swimming championship.

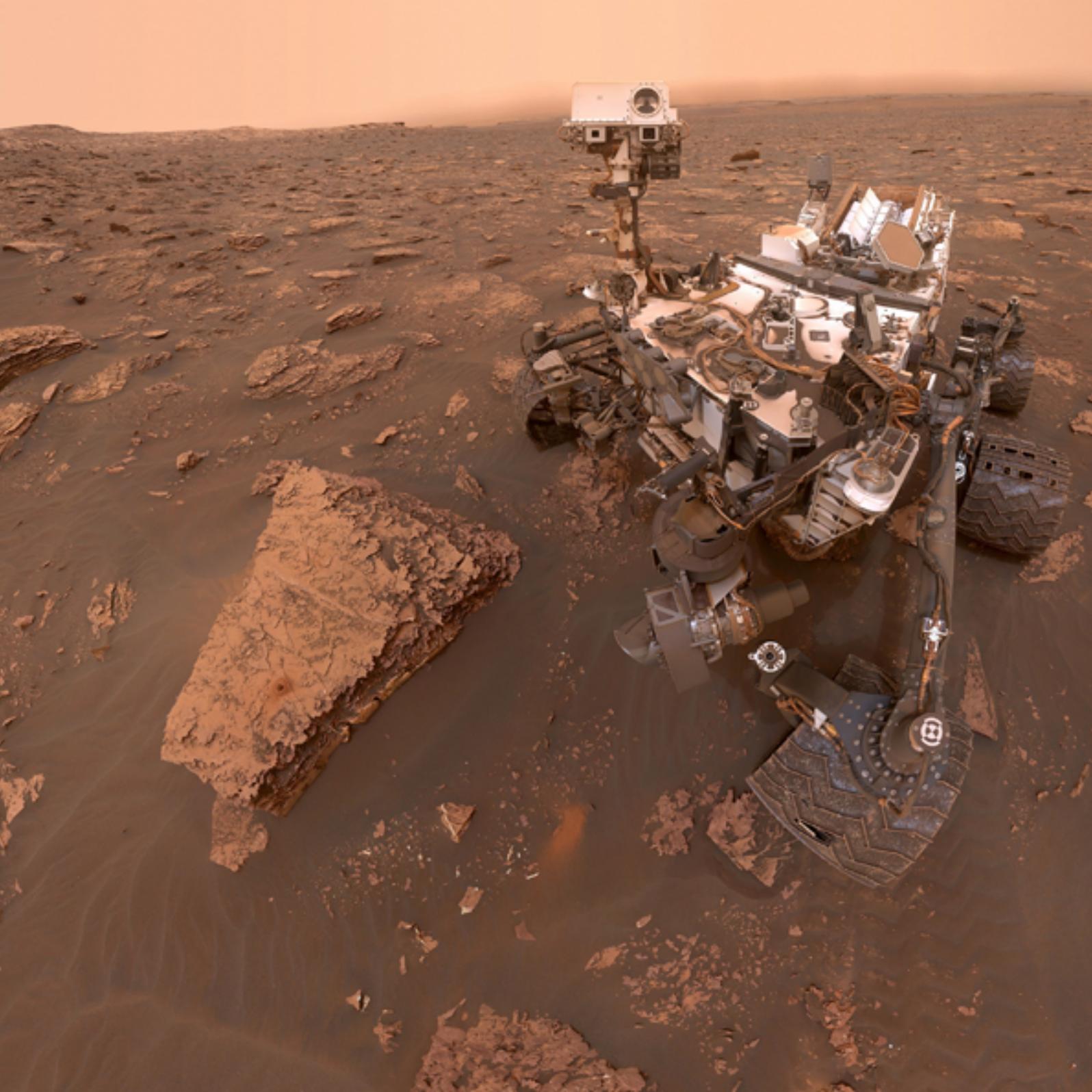
..> Sports education

More than 14,500 students were able to benefit from 18 hours of sports education per semester, provided by staff in the University Office of Physical Fitness and Sports (SUAPS), as well as an introduction to competitive sport. This enabled them to validate 1 ECTS per semester or to boost their average grade.



Performance at the Théâtre Astrée:
Women and Girls in Science Day

© Eric Le Roux



AN INTENSIVE RESEARCH UNIVERSITY

Research lies at the heart of the development strategy of Lyon 1 University, recognised as a research-intensive university. Research forms the basis of the project to create a new institution, which would broaden the disciplinary fields, develop multidisciplinary, encourage research projects in response to major societal and environmental challenges and develop a spirit of technological breakthrough to foster innovation.

This strategy is supported by multi-year policies to consolidate well-established and visible disciplinary strengths, improve research infrastructure, support innovative platforms and mobilise human and financial resources.

Research can draw on a number of significant achievements and benefit from the opportunities offered by the launch of the SHAPE-Med@Lyon project, one of the key components of transdisciplinarity in the fields of health, science and the human and social sciences.

In 2022, the University continued to develop its policy to support a balance between research and educational activities and improve the level of its faculty members, in line with their career development. In order to increase the intensity and quality of research, support for faculty members is reinforced by multi-year calls for projects (AAP) targeting new recruits, young faculty members and experienced faculty members. This is accompanied by assistance in setting up and implementing projects, in the form of a "pack" for those who succeed in making it past the initial phases of European projects, consisting of reduced teaching hours and research funding (priority in AAPs).

< Photo on the left:

The Lyon Geology laboratory taking part in the Mars2020 mission and analysing data from Perseverance.

© Nasa

PROMOTING EXCELLENCE IN RESEARCH

Lyon 1 University has confirmed its role as a major player in national and international research, while consolidating its links with socio-economic actors in the Lyon area. By taking part in projects and partnerships with significant

societal impacts, Lyon 1 continues to prove the usefulness of its research for society, as witnessed by the record ANR and European funding it obtained in 2022.

..> Adoption of the Comet Interceptor space exploration mission

The Comet Interceptor space mission has just been adopted by the European Space Agency (ESA) as the next mission to explore the solar system. In Lyon, the Lyon Geology Laboratory (LGL-TPE) plays a major role in this mission.

..> Four projects led by researchers at Lyon 1 University in the framework of PEPR 2022

Among the Priority Research Programmes and Equipments (PEPR) selected in 2022, four projects are led by C. Dujardin (LIBELLUL project, ILM), A. Brioude (APPLICATIONS, LMI), A. Sari (Hysyspem, Lab. Ampère) and S. Daniele (GreenH3, CP2M), for a total of €798,000.

..> Doctoral network: micro/nano-plastic pollution in soil and groundwater ecosystems

The “DN-Underplastic” project, coordinated by L. Simon (LEHNA) and financed in the framework of Marie Skłodowska-Curie Actions, aims to develop doctoral programmes in Europe to provide solutions to the emerging problems in connection with the presence of micro/nano-plastics in soil and groundwater.

..> Four ERC grants obtained in 2022

Four scientists from Lyon 1 University received ERC grants to develop their research projects. C. Quantin-Nataf (OCEANID project, LGL-TPE), Sami Janin (HypFlow project, CRMN) and C. Garban (Vortex project, ICJ) received a “Consolidator grant” and F. Santambrogio (AdG EYAWKAJKOS project, ICJ) an “Advanced Grant”

..> Three researchers from Lyon 1 laboratories rewarded by the Academy of Sciences

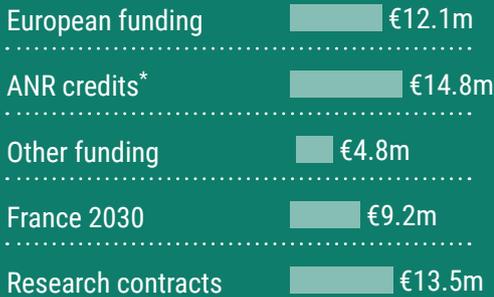
In 2021, among the fifty of so winners of prizes awarded by the Academic of Sciences were J. Blichert-Toft (LGL-TPE), B. Adamczewski (ICJ) and C. Boisson (CP2M).

..> Hepatology research at Lyon, a future institute of hepatology

The creation of the Institute of Hepatology involves 11 Lyon research laboratories, has been approved by the supervisory authorities concerned (HCL, Inserm, UCBL, CNRS and CLB) and was confirmed by the signing in April 2022 of a Memorandum of Understanding setting out its projected scope, teams and objectives.

The aim of this institute is to bring together the forces of clinical and translational research and teaching in order to create a major player in the field at national and international level. The project is therefore geared towards the emergence of a “Hepatology” hub based on a strong background in viral hepatitis and international-level expertise in other pathological aspects, supported by national and international funding (RHU, PHRC, INCA-PRTK, ANRS and H2020).

2022 funding:



*French National Research Agency

OVERALL TOTAL: €54.4 million



Felippo Santambrogio ERC 2022

© Eric Le Roux



1,605
PHD STUDENTS

50 
MEMBERS OF THE
INSTITUT
DE FRANCE



7,523
PUBLICATIONS

For 2023

Scientific research depends more than ever on means of data calculation, acquisition, storage and analysis. As such, the construction of a datacenter to house the computer clusters and digital infrastructure of the site's establishments is scheduled to enter into operation in 2025. The development this datacenter will enable the laboratories and establishments to be fully involved in its management. Developing the potential of technological

platforms also constitutes a major objective in order to boost research and innovation and facilitate the pooling of resources. This also means creating new academic or private partnerships to contribute to the financing of these platforms. The establishment will also continue to pursue its policy of simplifying dialogue procedures with the research units and modernising its management, research steering and bibliometrics tools.

SHAPE-MED@LYON: A MAJOR PROJECT FOR THE LYON AREA

In 2022, the Shape-MED@Lyon project (Structuring a One Health Approach for Personalised Medicine in Lyon) was a winner of the France 2030 PIA4 "ExcellencES" future investment programme, a collective success involving 12 partners: Claude

Bernard Lyon 1 and Lumière Lyon 2 Universities, the Hospices Civils de Lyon, the Centre Léon Bérard, the Centre Hospitalier Le Vinatier, VetAgro Sup, CPE Lyon, Inserm, CNRS, INRAE, Inria and International Agency for Research on Cancer of the WHO.

..> An institute to build transdisciplinarity

The Transdisciplinary Institute of Health is implementing Shape-MED@Lyon. The aim: to build a research ecosystem to address the diversity of questions on health issues from a transdisciplinary perspective. Lyon is the ideal place to address this challenge, with its strong university-hospital continuum, a unique diversity of disciplines in the field of health and a structured private sector.

..> Structuring of a health project at the Lyon - St Etienne site

This project draws on the scientific strengths of the Lyon-Saint Etienne site to develop transformative research and training projects in the field of health, combining 5P medicine and the One Health approach by repositioning the individual as both target and actor within their environment.

..> Official launch on 1 December 2022

Shape-MED@Lyon was launched on 1 December 2022 for a duration of 10 years. Its €28.1 million in funding will help bring together actors in the field of health and set up the Lyon Health Hub 2030 centre of excellence.

..> A project already under way

The Transdisciplinary Institute of Research into Health is structured around 5 themed workshops**. The high level of participation by the scientific community in meetings organised since May 2022 quickly generated regional momentum around the major themes.

..> 5 themed workshops:

- ..> Evolution of infectious diseases,
- ..> Prevention and treatment of cancer,
- ..> Brain disorders and inclusive society,
- ..> Health and territories,
- ..> Data science and engineering.

..> Actions conducted with various regional actors:

- ..> Academics,
- ..> Hospitals,
- ..> Industry,
- ..> Local authorities,
- ..> Citizens.





12
PARTNERS



10 YEARS
DURATION OF
THE PROJECT



€28.1M
IN FUNDING



Conference to present the project to actors in the region of Lyon-St Etienne, 1 March 2023

© Oliver Grattier

..... **For 2023**

2023 will be marked by three high points: the official launch meeting of the project on 24 February in the presence of the 12 partners and representatives from the ANR's "Excellence in All Its Forms" Action; the presentation of SHAPE-Med@Lyon on 1 March to local actors in the Lyon and St Etienne region; and the publication of a first Call

for Manifestation of Interest at the end of January 2023 by the Transdisciplinary Institute of Health. Two further calls for projects to finance transdisciplinary seed projects (€1 million) and structuring projects (total budget of €4 million) will follow, with a view to opening the way to new innovative approaches in health.

ACCELERATING THE TRANSFER OF INNOVATION AND THE CREATION OF DEEPTECH STARTUPS

Lyon 1 University has great potential for innovation, thanks to its high-level scientific activity, the remarkable results of its two subsidiaries Lip and EZSUS and its close relations with regional actors such as SATT PULSALYS. Lyon 1 is thus positioned as a major player in

the valorisation of research at national and international level. Thanks to this momentum, Lyon 1 University was ranked top university in France in terms of patents filed in the 2022 INPI ranking.

..> New technologies to identify viral particles

Coordinated by J. Margueritat (ILM), the VIRUSong project aims to produce and implement a simple and radically new method to identify viral particles based on their specific modes of vibration.

..> Potential new therapies for treating cancer

The European COST project, coordinated by J-J Diaz (CRCL), is set to further research into translational control, a key process in the biology of cancer, by building bridges in Europe between research, industry and patient associations.

..> solutions to improve the recyclability, recycling and reincorporation of materials

Three projects led by Lyon 1 University have been selected in the framework of the ADEME call for projects to improve recyclability, recycling and the reincorporation of materials (RRR): the ScrapCO2MET project (J. Leclaire, ICBMS), the RENOV project (P. Cassagnau, IMP) and the VIALIBS project (V. Motto-Ros, ILM).

..> Supporting the digitalisation of companies producing or using polymer materials

The POLYTRONICS hub, a winner of the EDIH call for projects, of which Lyon is a member (IMP Laboratory, LIRIS), seeks to raise awareness and support companies producing or using polymer materials in digitalising their products and processes.

..> Jacques Marteau, winner of the CNRS innovation medal

Jacques Marteau is a lecturer at Lyon 1 and was awarded the prize for developing a muon detector, enabling the 3D exploration of large structures. This innovation has applications in vulcanology, geology and civil engineering.

..> A neuronavigation tool for brain surgery

The European HyperProbe project aims to use advanced imaging techniques and artificial intelligence to develop a tool that will ultimately help neurosurgeons during operations to remove brain tumours.


No. **1**
FRENCH
UNIVERSITY
IN TERMS OF
PATENTS FILED


8
START-UPS
CREATED
IN 2022


74
PATENTS
FILED



..... **For 2023**

Claude Bernard Lyon 1 University plans to pursue in 2022 its important work to valorise the research carried out by its various teams, through the submission of patents and the transfer of assets to industry. Several projects supported by the LIP and EZUS subsidiaries and/or by the SATT (public-

private enterprise for the accelerated transfer of technology) will take form next year. The University will thus continue to pursue its aim of positioning itself as a global leader in the transfer of technology and innovation. It will also actively strive to create a University Innovation Hub in Lyon.

SPREADING KNOWLEDGE TO SOCIETY

In 2022, Claude Bernard Lyon 1 University reasserted its commitment to promoting scientific culture, a key factor in its reach, by engaging in dialogue with the wider

population on scientific issues through various forms of mediation.

..> Open University

This department of Lyon 1 University works to share scientific knowledge and the questions that scientific progress raises. The Open University got back up and running again in 2022 following the Covid period, with more than 170 events organised in the Lyon Metropole.

..> Space, a new frontier

Two exhibitions on the theme of space were organised by the university libraries during the Science Festival. This event was possible thanks to the participation of 14 researchers and 10 partners from the world of higher education and research.



Ebulliscience, Science Festival

© Eric Le Roux

..> Science For All, a space for sharing science

Science For All (*Sciences pour Tous*) provides a meeting space for all those involved in science at Lyon 1. A space for scientists to shed light on issues touching on science and society. In 2022, Science For All attracted more than 135,000 unique visits.

..> Special theme: liver disease

Based on the research, ideas and work in progress at Lyon 1, Science For All uses this new format to examine topical themes and issues facing society by giving the floor to people conducting science at the University. This year, a fruitful partnership was set up with the Communications Department of Hospices Civils de Lyon to address the theme of "liver disease".

..> Festival on campus

During the 2022 Science Festival, the LyonTech - La Doua Campus was particularly lively thanks to the *Campus en fête* event, co-organised by Lyon 1. A fun-packed meeting space for the sciences, in partnership with the Villeurbanne city hall.

..> 6th children's scientific conference

In 2022, Claude Bernard Lyon 1 University, the CNRS and the City of Vaulx-en-Valin organised the sixth edition of the children's scientific conference. Around 150 children attended the Vaulx-en-Valin Planetarium to spend the day as real scientists.

PROMOTING OPEN SCIENCE

Lyon continues to promote Open Science, in line with national and European policies. This consists in broadening and consolidating free access to scientific output, encouraging open data in accordance with the

“as open as possible, as closed as necessary” principle and helping to reform the evaluation of research to take into account open science practices.

..> **Lyon 1 signs the Coalition for Advancing Research Assessment (COARA)**

As one of the first universities to sign the San Francisco declaration, Lyon was represented in the national working group of the Open Science Committee: GT Evaluation Dora. Lyon 1 is a signatory of the European COARA coalition.

..> **Raising awareness and training researchers and PhD students in open science**

The SCD* continues to support researchers on the ground through training and workshops on submitting files to HAL, using ORCID and managing their digital identity. A tutorial on publishing theses and a decision-making pathway regarding the legal framework have been published online to help them in their choices.

..> **Supporting open scientific publishing**

Lyon 1 renewed its commitment to promoting open science networks and infrastructure. Since 2018, the SCD* has allocated part of its budget to help fund innovative initiatives offering free publishing models and encouraging open peer reviewing.

..> **Continued experimentation with open data**

Lyon 1 helps researchers to set up data management plans and a project led by the SCD* (DATAACC), which is experimenting with the use of electronic laboratory notebooks.

* Joint Library Resources Department (Service Commun de la Documentation)



1,918,000
VISITORS
TO THE UNIVERSITY
LIBRARIES



5,700
NEW
PUBLICATIONS
IN HAL



77%
RATE OF OPEN
ACCESS TO
PUBLICATIONS**

**Lyon 1 gained 3 points in one year and is above the national average (according to BSO)



Explanations and school visit to the Science Library

© BU Lyon 1



.....

> *A university resolutely open
to the world*

.....

Representatives of the Arqus Alliance in Grenada,
including Frédéric Fleury, President of Lyon 1,
Hélène Courtois, Vice President for International
Relations and European Affairs and Anne Giroir-Fendler,
Vice President for International Mobility at Lyon 1
© Jose Angel Ibanez Zapata

ARQUS ALLIANCE, 8 COUNTRIES FOR A EUROPEAN UNIVERSITY

Lyon 1 University is deployed internationally via the Arqus Alliance, formed as a result of the European Commission's "European Universities" pilot scheme. Totalling 350,000 students in eight universities – Grenada, Graz, Lyon, Leipzig, Minho, Padua, Vilnius and Wroclaw

–, Arqus offers students the opportunity to study in one of these cities on any course and in any field of study. The Alliance was renewed in 2022 and confirms Lyon 1 University's firm foothold in Europe.

--> The Arqus Alliance selected for a new round of funding in 2022-2026

Following the European Commission's new call for applications for the period 2022-2026, the ARQUS Alliance was awarded the sum of €14.4 million over 4 years. Arqus was officially launched in October 2022 with a rich outlook, offering many opportunities.

--> Numerous Arqus events

The Arqus team at Lyon 1 organised two scientific events at the LyonTech-La Doua campus addressing two major challenges for society: Artificial Intelligence and Climate Change. Around a hundred researchers from across Europe attended to engage in discussion and develop collaborations.

--> Two new partners for Arqus

In January 2022, the Arqus Alliance welcomed two new partners, the University of Minho in Portugal and the University of Wroclaw in Poland, enabling the Alliance to cover more of Europe and offering new opportunities to our students, faculty members and administrative staff.



Delegation from Lyon 1 University for the Arqus Alliance conference in Padua in 2022

© Andrea Signor

ENCOURAGING STUDENT MOBILITY

Lyon continued to pursue its international policy in 2022 by consolidating its partnerships abroad. The European partnerships follow inclusive policies taking into account civic responsibility and sustainable development.

Incoming and outgoing mobility picked up again after the health crisis and the International Relations Department (DRI) was able to organise the hosting of 200 exchange students in person this year.

..> Partnerships with Québec, Canada

In 2022, Lyon 1 reinforced its close relations with the University of Montreal, Laval University and the University of Sherbrooke in Québec by hosting various delegations and renewing several agreements with a view to mobility in 2023/2024.

..> Participation in a Consortium with the Universities of Oregon, USA

In 2022, Lyon 1 extended its participation in the OREGON programme in conjunction with 5 other Lyon institutions. In particular, this programme will facilitate exchanges between Lyon 1 and Oregon State University over the course of a new five-year period.

..> Renewal of agreements with IITM - Madras, India

Lyon 1 renewed its cooperation agreement with the Indian Institute of Technology in Madras, facilitating student exchanges in the sciences and in particular in Chemistry.

..> Partnership between Hospitals and Universities in Cambodia

Lyon 1, in conjunction with HCL and CH Vinatier, has developed a new partnership with the Phnom Peng University of Health Sciences in the field of Child and Adolescent Psychiatry in Cambodia, supported by the two hospitals.

..> Erasmus+

The Erasmus Without Paper (EWP) initiative opens the way for more efficient management of student mobility. Close to 430 Erasmus+ agreements have been renewed in digital format. 2022 saw the consolidation of ongoing projects and 5 new cooperation partnerships. The Erasmus+ programme has also set at European level a secure data exchange network, a mobile application (Erasmus+ Mobile App) and a unique digital identity for students.

..> Videos to promote mobility

The DRI and the ICAP department (Innovation Design and Teaching Support) worked together to produce video testimonials. Nine students volunteered to talk about their mobility in the form of short videos, in order to share their experience with the community.



163
STUDENTS
AWARDED
DOUBLE
DEGREES
IN 2021-2022



141
COOPERATION
AGREEMENTS

15 
ERASMUS+
PROJECTS
ONGOING



Welcoming international students to the University, visiting Lyon

© D. R. I.

..... **For 2023**

In 2023, Arqus will welcome a 9th partner, the University of Maynooth in Ireland, enabling the Alliance to cover a geographical area highly in demand among students for exchanges. All the partners will meet in Graz (Austria) in April for the 3rd Annual Arqus Conference. 2023 will also see the further internationalisation of our courses with the launch of the Franco-Indian campus project in health science, ILIADE, supported by the Ministry for Foreign Affairs, steered by

the University of Reunion and involving several French Universities, including Lyon 1, and institutions in India. Lastly, several master programmes that responded to the “SFRI Graduates+” call for projects will be able to work with the DRI to set up new partnerships both within and outside Europe and offer grants both for incoming foreign students and for outgoing mobility.



SETTING AN EXAMPLE IN TERMS OF SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

Quality of life at work, fair pay, the attractiveness of Lyon 1 and the human dimension all constitute key priorities for the University's Human Resources (HR) Department. Work is ongoing to build a university ever more inclusive, to reduce inequality, particularly gender inequality, and to strengthen social protection and access to healthcare for staff. Lyon 1 strives to constantly improve the working conditions and career development of its staff. It is developing an individual and collective social action policy to improve the quality of life of its agents. The stated aim is to build an institution that is both socially exemplary and attractive.

This policy, which aims to improve the quality of life at work and the quality of student life, is accompanied by a goal deployed within Lyon 1 with regard to the ecological transition and sustainable development. The energy efficiency and greenhouse gas accounting plan lays the groundwork for a global university strategy to reduce the environmental impact of its activities.

Modernisation of the University's steering and management tools also constitutes a priority. To this end, the University's administration department will draw up an assessment in order to set out an action plan.

< Photo on the left:

Staff training

© Eric Le Roux

IMPROVING STAFF QUALITY OF LIFE

HR policy is a key concern at Lyon 1 and one that requires adaptability and constant improvement given changes to society and to ministerial policies. The HR Department has a number of important roles: recruitment, pay and

career management, training for all staff, support for staff and services and the management of operational projects.

..> Supporting staff and a review of actions under the Quality of Life at Work plan

For the first time, special workshops dedicated to mobility were offered to technicians, engineers and administrative staff (BIATSS). Actions to promote quality of life at work paint a very positive picture, as 33% of actions are operational and 40% are in progress. The occupational psychologist supported 118 members of staff over the course of the year.

..> LPR and reform of the status of university hospital staff

With regard to the implementation of career and pay reforms affecting faculty members and university hospital staff, 271 personal bonus applications were processed and 700 decisions issued regarding appointments to the new UH statuses and positions. The Research Programming Law (LPR) is being closely monitored in terms of payroll.

..> Implementation of a new tool to manage working hours

Temporis, a tool for managing the paid leave and working hours of BIATSS staff, replaced GH2C in June 2022. It meets the objectives set in terms of reliable data and the optimal monitoring and management of working hours in full, thus facilitating the day-to-day work of managers on the ground.

..> An new and ambitious training plan

The average number of training days per agent rose from 1.9 days in 2021 to 2.2 days in 2022. A new training module in Mental Health First Aid (PSSM), which has since become a ministerial obligation, was created and has already resulted in the training of 46 agents.

..> News and changes in terms of pay

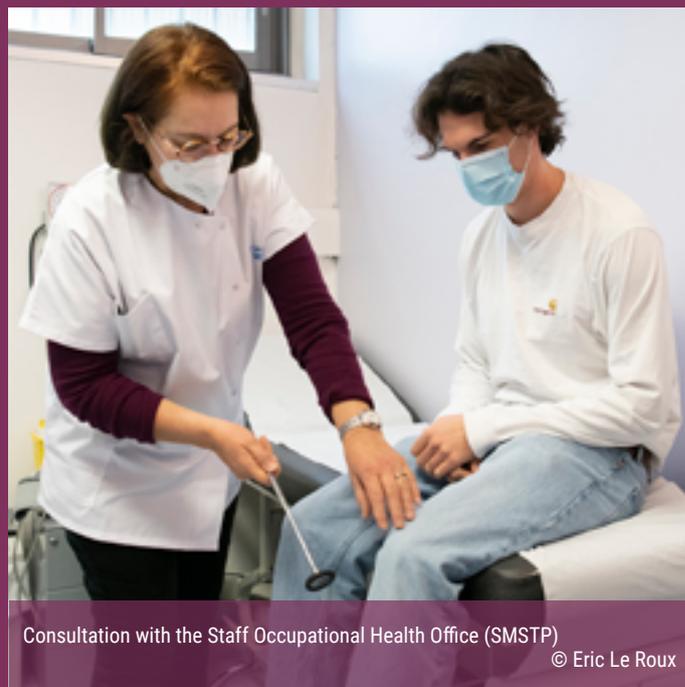
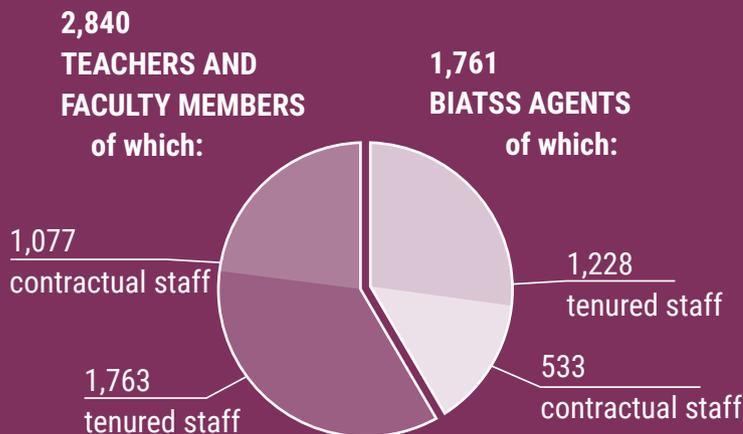
The payroll department was kept very busy with the implementation of several new pay schemes: revaluation of the benefits system for BIATSS, implementation of the benefits system for teaching staff and researchers (RIPEC), inflation allowance, rises in the minimum wage (SMIC), exceptional bonus of €800 for BIATSS staff, etc.

..> Retaining contractual staff

A commission has been set up to transform fixed-term contracts into permanent contracts, following a review carried out on a collegial basis. Staff on permanent contracts also now have the chance to take part in mobility within the University.

Staff at Lyon 1:

breakdown by category as of 31/12/2022



4,601
AGENTS
AS OF 31/12/2022

654
REMOTE WORKERS
BY THE END OF THE CAMPAIGNS

95,707
CHANGES IN PAYROLL
(+48% COMPARED TO 2021)

For 2023

In 2023, the Human Resources Department will continue its reorganisation based on integrated management, with an initial stage consisting in the implementation of SIHAM, a payroll pre-processing application, to replace Winpaie from May 2023 onwards. Several projects to digitalise procedures are in the course of being finalised, including the improvement of the recruitment process with the

BETWEEN platform and the digitalisation of the processing of all Lyon 1 staff holding multiple positions on a single platform. The course catalogue will be further enriched with the introduction of courses in the framework of the energy efficiency plan. In terms of support, staff will be offered a Quality of Life at Work week at the end of the academic year as part of the actions under the Quality of Life at Work Plan.

SOCIAL ACTION AND QUALITY OF LIFE ON CAMPUS

An individual and collective social action policy is implemented to promote the quality of life of staff at Lyon 1 University. The General Social Action Service, the Culture Mission and the HR Department are the main

contributors to this policy. The scope of action includes catering facilities, social action, sport and cultural activities, leisure, entertainment and the organisation of events.

..> **Staff catering is evolving**

A new public service catering concession has been awarded to SOGERES. In accordance with the Egalim Law, 50% of sustainable products are cooked on site. A vegetarian option is proposed every day and a new 100-seat restaurant has been created. The So'happy app enables staff to consult their accounts and place orders for click and collect.

..> **New partnership with the Chamber Orchestra**

In 2022, Lyon 1 University signed a partnership with the Lyon Chamber Orchestra to offer its users extra access to culture (gospel, music from films, ballets, operas, etc.). The offer concerns 1,400 tickets for 10 concerts.

..> **Encouraging staff to take part in physical activities**

Lyon 1 offers staff the possibility of taking part in regular physical activity thanks to 20 sports workshops and the "Staff Sports Day" organised each year. Staff suffering from a long-term illness or those with disabled worker status benefit from coverage of 80% of the cost of a physical activity.

..> **A rich cultural programme**

The Théâtre Astrée offers staff and students real access to culture on their doorstep, with a specific pricing policy. Twice a year, the "World and Flavours of the World" event invites staff and students to discover another region of the world.



Staff Sports Day, June 2022

© Eric Le Roux



50
PERFORMANCES
AT THE THÉÂTRE
A S T R É E



200,000
MEALS
SERVED
DURING THE YEAR

..... **For 2023**

In 2023, the General Social Action Service (SGAS) of Lyon 1 University will continue to develop sporting and cultural activities for staff at the various Lyon 1 sites. New ticketing partnerships for staff will be set up to guarantee a broad choice of cultural and sporting activities. Lyon 1 also runs an Arts and Science residency. In 2023, staff will be able to discover the work of the author Valentine de Lussy, in residence at the Institute of Pharmacy since 2022. As a result of this residency, a documentary comic book, an exhibition, a graphic conference and three episodes of a podcast on the history of medicine have been created.

PROMOTING EQUALITY AND COMBATING DISCRIMINATION

The University strives to promote equality within the Lyon 1 community among both staff and students. Several schemes and actions are implemented to combat all

form of discrimination. This also means offering a work and study environment able to adapt to each individual's situation.

..> Action plan for equality in the workplace

In 2022, Lyon 1 pursued its action plan for equality in the workplace: this guarantees effective equality between men and women in terms of recruitment, mobility, career development, promotion and access to professional training.

..> Support for quality of life at work

Flexible working measures and a review of the remote working charter improved the life-work balance. Parental support is provided, as well as better information on maternity and parental leave.

..> Disability in the workplace

Lyon 1 supports staff with disabilities. To raise awareness among agents, a series of events on the theme of disability in the workplace was organised in November 2022 during the European Employment Week for People with Disabilities.

..> Alert platform

Lyon 1 has set up a system of alert, support and prevention with regard to sexual and sexist violence, harassment and discrimination. This system was used by 75 people in 2022 via the form provided.



Meal in the dark at the Domus restaurant during the European Employment Week for People with Disabilities

© Eric Le Roux

Espace Michel Eyssette



DEPLOYING NEW ECO-EFFICIENT INFRASTRUCTURE FOR RESEARCH AND EDUCATION

2022 was marked by further confirmation of the energy problem, validating the strategic choice to allocate a large part of investment under the campus plan to energy

retrofitting. Apart from retrofitting *per se*, the entire real estate policy of Lyon 1 has fully integrated the energy efficiency issues facing us all.

--> Energy efficiency

The University's actions involve constant effort to leverage on ways of improving energy efficiency: retrofitting works, the modernisation of technical installations and better steering of those installations.

--> Building development

Lyon 1 continues to develop its real estate: the INL-CPE and CIRI buildings were commissioned at the end of 2022 and the Laënnec gymnastics space for the ISTR was delivered in summer 2022. The building permit for the new Datacenter has been obtained. Lastly, the competition procedure for the Seyne-sur-Mer scientific conference centre has been launched.

< Photo on the left:

The new Françoise-Barré-Sinoussi hall of residence on the Laënnec - la Buire site
© Eric Le Roux

--> Maintenance and continuity of service

In 2022, the Buildings and Facilities Department continued its work to computerise its preventive maintenance operations, essential for ensuring energy efficiency and continuity of service for the University's activities.

--> Continued thermal and functional retrofitting of buildings

With regard to the thermal and functional retrofitting of buildings, the retrofitting of the D wing of the Curien building, the first phases of the retrofitting of Laënnec B and the upgrading of the Gerland research building were all delivered in 2022.

Espace Michel Eyssette – Co-ownership of the project by CROUS and UCBL, built by Demathieu et Bard (holder of the overall contract)

Architect: Sud Architectes



10,000 M²
SURFACE
AREA
DELIVERED



€18M
OF INVESTMENT

For 2023

Energy efficiency will constitute a shared focus of development between the departments responsible for investment and the technical management teams. Optimising the steering of our installations will also constitute a key priority for 2023. Implementation of the new State-Region Planning Contract will result in certain large-scale structuring projects entering into the operational phase, such as the physics zone at the Doua site and the energy retrofitting of the Gratte-Ciel site of the IUT. 2023 will be marked by the start of work to build the Datacenter and by the revealing of the architectural project for the Seyne-sur-Mer conference centre.

NEW DIGITAL SERVICES

Digital resources and services today lie at the heart of education and research activities. The governing body of Lyon 1 has an ambitious strategy in terms of the

rationalisation of resources and the development of new digital services.

--> *New digital platform for education*

The Moodle integrated environment replaced the Claroline connect digital platform and offers all the teaching activities and resources that students need: lessons, videos, videoconferences, tests, forums and chats, etc.

--> *All Connected at Lyon 1*

During the 2021-2022 academic year, 524 students benefited from the loan of a laptop computer. This action was carried out thanks to the creation of 14 student jobs. The "All Connected at Lyon 1" operation was renewed for the 2022-2023 academic year.

--> *Construction of the Lyon Tech-la Doua Datacenter (CCDD)*

Studies for this datacenter project led by Lyon 1 in partnership with INSA Lyon were finalised and the building permit obtained. The tender process with construction firms is in progress and work is scheduled to begin in the second semester of 2023, for commissioning at the end of 2024. The plan to migrate all digital infrastructure will be launched by CISR over the course of 2023.

Future datacenter for the LyonTech-La Doua campus

© enia architectes



..... *For 2023*

2023 will see the concrete implementation of two major digital projects that have been in the pipeline for several years now at UCBL: the construction of the Lyon Tech-la Doua Datacenter (CCDD), which will eventually house 300 cabinets, and the structuring of a catalogue of digital services for research teams.

THE DATACENTER
WILL ENABLE:

-40%
GHG
EMISSIONS BY
DIGITAL
INFRASTRUCTURE

-5%
GW/h
OF ELECTRICITY
CONSUMED
EACH YEAR

BEING PROACTIVE IN THE ECOLOGICAL TRANSITION

Lyon 1 University plays a responsible and committed role with regard to energy efficiency. Through its educational offer and its support for research focused on environmental challenges, it trains future actors of change for a more environmentally responsible

society. The establishment of its Energy Efficiency and Greenhouse Gas Accounting Plan, as requested by the State, reinforces the University's commitment to reducing its environmental footprint.

..> Creation of an Energy Efficiency Plan Committee

The role of the Energy Efficiency Plan Committee at Lyon 1 is to study the University's energy consumption, learn from the findings and propose concrete actions to improve energy efficiency and sobriety in the short, medium and long term.

..> An action plan to make the University's missions more sustainable

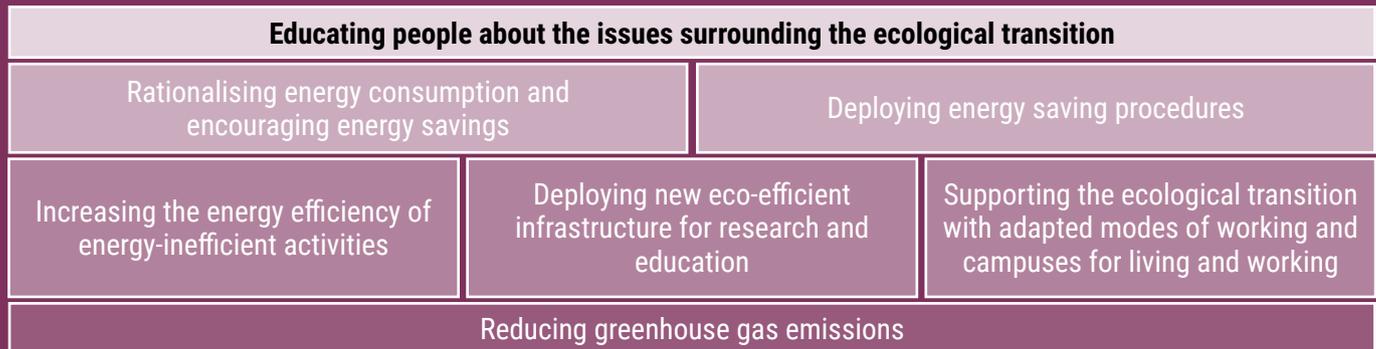
Lyon 1's action plan aims to achieve at least the minimum goal set by the State, by a 10% reduction in its energy consumption by 2024 compared to 2019.

This not only complies with the regulatory framework but is also of major financial interest for the University.

..> A global strategy in the field of energy efficiency

The energy efficiency plan is part of Lyon 1 University's global strategy to accelerate and amplify actions already undertaken in the field of energy efficiency, building retrofitting and reducing the University's environmental footprint.

The energy efficiency plan involves seven action plans:



STEERING AN EFFICIENT INSTITUTION

Like all public institutions, Lyon 1 University has been impacted by the international crisis. The cost of energy has exploded, for example. Lyon 1's budget, based on multi-year programming and management dialogue,

has nevertheless enabled the University to implement its priorities, in particular through investment at an unprecedented level.

..> Budget conferences

The management dialogue mechanism, now stable, continues to evolve in minor ways. Two waves of budget conferences enabled the governing body to meet each faculty and joint faculty director to discuss the translation of University policy within the faculties and inclusion of the projects pursued by each structure.

..> New annual performance project

In a context in which the five-year contract between the University and the ministry has not yet been fully formalised, Lyon 1 redesigned its performance mechanism by setting out a new annual performance plan.

..> Multi-year programming at the heart of the budget construction process

Multi-year programming remained at the heart of the budget construction process, with more than €425 million in multi-year operations in progress and a dedicated comitology that made it possible to steer the process and make necessary adjustments throughout the year.

..> Updating of purchasing policy

In 2022, Lyon 1 updated its purchasing programming and purchasing action plan for 2022-2025. Lyon 1 organised another themed seminar in 2022 with economic operations in the region, dedicated to ecologically responsible purchasing, in cooperation with the State Procurement Department.

..> Amplification of the drive for own resources

The drive for its own resources was further amplified in 2022, in particular with revenue from continuing education of almost €26 million and €28 million from research contracts.

..> Cost calculation and analytical accounting mechanism

The University's cost calculation and analytical accounting mechanism is now fully implemented in the University's departments and provides input for discussion at governance level in many fields.



Ecologically Responsible Purchasing seminar, July 2022

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CONTROL OF RISKS ON CAMPUS

In 2022, the University's Safety Department fulfilled its various missions, with the primary goal of ensuring the safety of users of the University's various sites on a day-to-day basis. This constant drive to limit risks led this

still relatively recent department to pursue its efforts to modernise by implementing ever more effective prevention and protection measures.

..> Improving security on campus

The threat of damage to property and incivility was countered by the mobile security team, the ability of Claude Bernard Lyon 1 University to respond positively to court orders as regards video protection and by raising awareness within the University community.

..> Facilitating the operation of buildings

Claude Bernard Lyon 1 University obtained tools facilitating compliance by its buildings with "fire" regulations, thanks to a tool for digitising safety records, an electronic log and a PSIM software tool.

..> Protecting scientific property

In order to secure sensitive data held in the research units, links with the University's Security and Defence Official were reinforced, imposing minimum constraints on the entities concerned.

..> Supporting people travelling abroad

The Security and Defence Official assesses any risks for people requesting foreign travel. Close collaboration with the Ministry for Europe and Foreign Affairs has been set up to measure such risks as accurately as possible.



In 2022: 235 incidents of people requiring assistance

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CLAUDE BERNARD LYON 1 UNIVERSITY ORGANISATIONAL CHART

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Central services

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Healthcare

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Biosciences Training and Research Unit (UFR)

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Faculty of Medicine Lyon Est

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Staff Occupational Health Office (SMSTP)

Coordinating physician

Anne-Cécile Paoli

Risk Prevention Department

Delphine Bourgois

Institute of Financial Science and Insurance (ISFA)

Nicolas Leboisne

* temporary administrator

Higher National Institute of Teaching and Education (INSPé):

Pierre Chareyron

Interuniversity services

Subsidiaries

Inter-site Network Services Centre

Philippe MALBOS

Domaine de la Doua interuniversity Services

Lois GUILLOT

Physical and sports activities interuniversity Services

Alexis CHVETZOFF

EZUS

Lionel Poncin De La Tournière

LIP

Javier Olaiz

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2022 in pictures

Student Fair
January 2022



Inauguration
Café Studio IUT Lyon 1
March 2022



Ovalyonne 2022
April 2022



Launch of
Shape-MED@Lyon
April 2022



Inauguration
CROUS Laennec hall of residence
June 2022



Visit by
Sylvie Retailleau,
Minister of Higher
Education and Research
September 2022



Inauguration
PASS IUT Bourg-en-Bresse
September 2022



Party at the Transbordeur
Integration Week
September 2022



Wheelchair basketball
Disability Week
November 2022

Honoris Causa
Doctorates
November 2022



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