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INTRODUCTION

IDEX is a call for projects launched by the French National Research Agency (ANR) and the Commissariat-General for Investment (CGI) as part of the Investments for the Future Program (PIA). It aims to identify around ten large French universities which are world-class centers of excellence, to improve the attractiveness of France and its scientific standing in the world.

The first IDEX certification phase began in February 2012. This was when the State agreed that the Lyon Saint-Étienne site needed special support. The Université de Lyon’s Lyon Saint-Étienne Avenir Program (PALSE) was then launched. The program has established a range of ambitious policies and enhanced the Université de Lyon’s profile and outreach. It has united the institutions under one banner, launched interdisciplinary training initiatives and led to research, international development and a dialogue between science and society, etc. Thanks to these achievements, the Université de Lyon, which is now recognized as a key player in the development of the Lyon Saint-Étienne region, has consolidated the site’s strengths into one higher goal embodied by the IDEXLYON project.

After a pre-selection and selection phase by a jury made up of representatives from prestigious universities, as well as academics and socio-economic representatives, the Université de Lyon received the ‘Excellence Initiative’ certification in February 2017. The total funding allocated to the IDEXLYON project was 800 million euros, which is equivalent to an annual allowance of 25 million euros over an initial period of 10 years.

This project, driven by a powerful collective impetus, demonstrates the Université de Lyon’s strengths and aims to enhance the site’s dynamic of excellence: influential research, attractiveness of its educational programs, the recognition of its academic potential and the quality of its governance.

This report presents the initiatives and projects led as part of the IDEXLYON project since it was awarded IDEX certification in 2017 through the spring of 2019.
KEY PROJECT DATES

KEY DATES INITIATIVES

- **February 25**: The Université de Lyon is awarded the IDEX certification
- **July 7**: Launch of interdisciplinary initiatives
- **June 5**: Launch of the ELAN-ERC program
- **December 29**: Signature of the ANR agreement
- **December 7**: The Université de Lyon became a founding member of the BIOASTER Institute of Technological Research (IRT), having being put forward by the Institut Pasteur.
- **February 11**: Extension of 11 LabExes
- **April 27**: IDEXLYON launch meeting
- **October 3**: Launch of student action workshops
- **January 15**: ANR kickoff
- **June 26**: Signature of the first IDEXLYON chair: ROAD4CAT
- **December 7**: The Université de Lyon became a founding member of the BIOASTER Institute of Technological Research (IRT), having being put forward by the Institut Pasteur.
- **December 19**: Signature of the IDEXLYON consortium agreement

KEY CALL FOR PROJECTS DATES

- **July 14**: Launch of the third call for projects for IMPULSION
- **December 1**: Launch of the PULSALYS/IDEXLYON SATT call for projects
- **January 25**: Launch of the call for projects for Campus arts
- **October 8**: Launch of the call for interest in teaching innovation
- **December 20**: Launch of the second Scientific Breakthrough Program call for projects
- **March 15**: Event for socio-economic partners
- **July 10**: Launch of the fourth call for projects for IMPULSION
- **November 6**: Launch of the second call for projects for Campus arts
- **March 14**: Launch of support campaigns for colloquiums and themed schools
- **May 9**: Launch of the educational innovation call for projects
- **October 17**: Launch of the certified Master’s courses call for projects
- **December 18**: Launch of the Fellowships and Scientific Breakthrough Program call for projects
- **February 19**: Launch of the certified Master’s host fellowships for IDEXLYON
- **July 10**: Launch of the fourth call for projects for IMPULSION
- **November 6**: Launch of the second call for projects for Campus arts

2017

April 27
- IDEXLYON launch meeting

2018

October 3
- Launch of student action workshops

2019

February 11
- Extension of 11 LabExes

March 15
- Event for socio-economic partners

05
The governance of IDEXLYON is built around three bodies: the director of IDEXLYON, who is responsible for steering academic initiatives, the Executive Committee of IDEXLYON (COMEX), which is responsible for the decision-making framework, the Academic Group and Scientific Advisory Board (SAB), which are responsible for the advisory framework.

**STEERING**

Some key members of the steering team are Jean-François Pinton, the Director of IDEXLYON, responsible for defining the action plan and the project’s priorities; Agnès Gahigi, the Deputy General Director responsible for PIAs and Coordinator of the IDEXLYON project; François Pellegrino, the Scientific Coordinator of the IDEXLYON project (and Director of Research at the CNRS). They coordinate the various bodies and the project team.

**COMEX**

The COMEX includes the directors of the institutions of the IDEXLYON consortium (and of VetAgro Sup). It is the project’s decision-making body. It meets once a month and approves the major orientations and the framework for action developed by the advisory bodies and steering body.

**ACADEMIC GROUP**

The Academic Group, a body made up of the Research and Training Vice-Presidents of the consortium’s member institutions and representatives from research organizations within the Université de Lyon, supports the implementation of research and training activities, helps define project initiatives, call for projects selection criteria and participates in selecting the winners. In 2018, the Academic Group contributed to extending the 11 Laboratories of Excellence (LabEx).

**SCIENTIFIC ADVISORY BOARD**

The Scientific Advisory Board (SAB) is an advisory body composed of seven scientists from the site (LabEx directors, winners of awards and international distinctions), and eight other renowned scientists, most of whom are international. The 15 members were selected based on nominations by the COMEX and the Academic Group. Sybille Reichert is the President of the SAB. SAB meetings focus on how to make the site more attractive, defining calls for projects and selecting winners and issuing strategic and operational recommendations in order to improve the IDEXLYON project and prepare for its 2019 assessment.

**ACADEMIC COLLEGES**

The Academic Colleges are conducting a number of assignments. These assignments aim to improve disciplinary initiatives, increase synergy between communities and strengthen the site’s position on the national and international stage.

This body also plays an advisory role, and the Academic Group and the COMEX may request that it consider challenges related to research and education. It also provides very tangible results with financial support from the IDEXLYON project, as it organizes internal multidisciplinary scientific days.

In 2018, the Academic Colleges supported thirteen scientific events, for a total budget of 30,000 euros. Additionally, the Academic Colleges have funded eleven research or education structural initiatives, with a total budget of 364,000 euros.

**FOCUS**

**SUPPORTING INNOVATIVE EDUCATIONAL METHODS**

At the initiative of the IDEXLYON governing body, an ‘Educational Innovation’ inter-college group was founded for the three Colleges (Education, cognition and language; Formal sciences and natural science; and Social sciences). In particular, this group has coordinated a call for interest with the Centre de Développement professionnel et d’Innovation (CDproIP) on the ‘Innovative educational initiatives’ theme, which gathered 43 proposals, 12 of which will receive funding of 52,248 euros.
SITE POLICY AND STRUCTURING

For several years now, the institutions of higher education and research at the Lyon Saint-Étienne site have been working together to define the structure of the site, which in turn yielded the Pôle universitaire de Lyon (PUL), the Pôle de recherche et d’enseignement supérieur (PRES) and now the Communauté d’universités et établissements (COMUE). During the launch and implementation of the various academic actions included in the IDEXLYON project, the ‘institutional transformation’ aspect was launched in 2017 in order to build a world-class intensive research university, an inclusive and multidisciplinary university – the ‘Université-Cible’.

Five institutions are working towards building this university: the Université Claude Bernard Lyon 1, the Université Jean Monnet, the Université Jean Moulin Lyon 3, the École normale supérieure (ENS) de Lyon and the Institut national des sciences appliquées (INSA) Lyon.

This new type of institution, which includes both universities and specialized schools, aims to achieve world-class recognition for offering a rigorous multidisciplinary academic project, which is innovative in France and meets the expectations of all key players:

- Ability to achieve a challenging academic strategy in terms of education and research, with strong links between these two areas;
- Implementing a quality policy for agile and efficient administrative;
- Structuring the undergraduate programs in order to foster students’ success and professional integration.

In order to meet this goal, a project-based organization was launched in early 2018, bringing together the governing bodies of the five institutions and the COMUE, and few vice-presidents and general directors of university departments. Throughout 2018, the progress in structuring the ‘Université-Cible’ has led to forming and leading several thematic working groups: ‘Human resources’, ‘Finance and accounting’, ‘Education and training’, ‘Digital services, Web and e-mail’, ‘Educational platforms’, ‘Standards’, and ‘Interoperability and data storage in the future institution’.

A Strategic Orientation Document (DOS) for the ‘Université-Cible’ was delivered in the spring of 2019. This document sets the framework and strategic orientations of the future institution and will be subject to the votes of the five institutions in the autumn of 2019.

The ‘Université-Cible’ will include eight education and research centers (including two at the ENS and INSA, which will retain their legal status), each one autonomous and with international visibility.

The trajectory for building this new institution, which will be founded in 2020, will match the pace of government agreements (2020–2025, then 2025–2030).

The eight PFRs of the ‘Université-Cible’:

- Bioscience and pharmaceutical science (BPS);
- Law;
- Education and Sports;
- Engineering;
- Management and Actuarial Sciences (MASc);
- Human Health (PUSH);
- Sciences and Humanities;
- Sciences, Technology and Society (STS).
EFFICACY OF THE SINGLE SIGNATURE FOR SCIENTIFIC PUBLICATIONS

The Université de Lyon’s Board of Directors adopted a single-signature protocol on December 15, 2015, for all scientific publications from the COMUE’s member institutions. This protocol’s effectiveness is measured based on the Université de Lyon’s citation rates in publications in the Web of Science (WOS) or Scopus.

Within the institutions and the laboratories of the ‘Université-Cible’, the citation rate explicitly mentioning the ‘Université de Lyon’ (or a variant of the name) has changed:

- In Scopus: from an average of 41% in 2011–2016 to 49% in 2017, 53.3% in 2018 and 57% in early 2019;
- In the WOS: from an average of 32% in 2011–2016 to 37.6% in 2017, 52.8% in 2018 and 61% in early 2019;

These results show that citation rates have substantially increased for the Université de Lyon, in particular following its 2017 IDEX certification.

Over publications per year
Over international collaborative publications
55% of publications issued by the member institutions and laboratories of the ‘Université-Cible’ citing the ‘Université de Lyon’
1.26% of Highly Cited publications (top 1% globally) = 4th place in France*

* Over the 2011–2018 period, the UdL had 742 Highly Cited publications (HiCi), which ranks it 4th among French institutions. Highly cited publications are the top 1% of publications collated by the Web of Science, which are the most frequently cited globally (normalized by year and by discipline). The UdL’s 742 HiCi publications account for 1.29% of its total publications. They rank the UdL in 4th place among French institutions for the gross number of HiCi publications, behind the Sorbonne University, the Université Paris 11 and the Université Paris 7, based on our own counts.
INITIATIVES

IDEXLYON supports and funds over fifty initiatives that enhance the site's attractiveness and international outreach, strengthen its training and research potential, develop partnerships with socio-economic stakeholders and promote access to knowledge and its dissemination. Starting in the summer of 2017, the initiatives started during the PALSE program (doctoral support and promotion, certified Master’s courses, the International Alliance, the Collegium de Lyon, the Espace Ulys, the entrepreneurship center/Beelys, the Innovation Factory, the Science Shop, the Ethics, Open Access and bibliometrics platform, and the IMPULSION call for projects) were extended as part of the IDEXLYON project. Six additional strategic fields were implemented.

RESEARCH

Main calls for projects

The Université de Lyon’s aim for excellence involves supporting innovative and ambitious new research dynamics. For this reason, the SAB and the Academic Group have broken down the goals of the IDEXLYON into initiatives and calls for projects addressed to the scientific community.

Scientific Breakthrough Program call for projects

The Scientific Breakthrough Program call for projects supports the most innovative and ambitious research activities the Lyon Saint-Étienne site has ever undertaken. The selected projects aim to generate new knowledge to respond to major scientific, societal, technological and economic challenges. In addition to their scientific interest, they contribute to the Lyon Saint-Étienne site’s international policy and profile and enhance its attractiveness by developing new areas of research.

The six winning projects in 2018:

- **Machine Learning & Data Science for Complex and Dynamical Models (ACADEMICS)** – Main leader: Pierre Borgnat, CNRS Research Director.

  The ACADEMICS project (‘Machine Learning & Data Science for Complex and Dynamical Models’) aims to develop and combine Machine Learning, Data Science and Data Analytics approaches in order to learn complex models in two important scientific fields to address global challenges: understanding and modeling fundamental climate mechanisms, and gaining a quantitative understanding of the key mechanisms underpinning social sciences.


  INDEPTH studies how institutions, both formal (markets, organizations, incentive and sanctions schemes) and informal (norms, habits, cultures), are able to support more efficient economic transactions while fostering fair and equitable social interactions and cooperation within human organizations. This project is based on a multidisciplinary consortium bringing together teams specialized in behavioral economics (GATE-Behavior), theoretical economics (GATE-Theory), mathematics (LIRIS) and cognitive neuroscience (CNC).

- **Incoherent Light and Phonon Management in Micro-Nanopatterned Materials for Efficient Depollution and Artificial Photosynthesis (IPPON)** – Main leader: Christian Seassal, Deputy director of the Institut des Nanotechnologies de Lyon and CNRS Research Director.

  The IPPON project aims to prove new especially fast and effective photocatalysis systems by trapping sunlight and local temperature control.

This project involves five laboratories: the Institut Rhônalpin des Systèmes Complexes (IXXI), the Physics laboratory at the ENS de Lyon (LP ENS de Lyon), the Laboratoire d’Informatique du Parallélisme (LIP), the Laboratoire Hubert Curien (LabHIC), and the Laboratoire d’Informatique en Images et Systèmes d’information (LIRIS).
This project involves four laboratories: the Institut des Nanotechnologies de Lyon (INL), the Laboratoire Hubert Curien, the Institut Lumière Matière (ILM) and the Institut de recherches sur la catalyse et l’environnement de Lyon (IRCELYON).

- **Microbial Impact on Insect Behavior from Niche and Partner Choice to the Development of New Control Methods for Pests and Disease Vectors (Micro-be-have)** — Main leader: Fabrice Vavre, CNRS Research Director.

The Micro-be-have project aims to understand whether microorganisms (whether beneficial or pathogenic) change the behavior of their hosts, and if so, how, and the consequences of these changes on their ecology and evolution.

This project involves five partner laboratories specializing in insect-microorganism relationships: the Laboratoire de Biométrie et Biologie Évolutive (LBBE), the Laboratoire de Biologie fonctionnelle, insectes et interactions (BF2I), the Laboratoire d’Écologie Microbienne de Lyon (LEM), the Laboratoire d’Infections virales et pathologie comparée (IVPC), the Institut de génomique fonctionnelle de Lyon (IGFL), and a company specialized in managing invasive species (Izinovation).

- **Sédimentation et propulsion de particules en écoulements turbulents** — Main leader: Mickaël Bourgoin, CNRS Research Director.

This project aims to better understand the mystery of the pairing between the dynamics of dust and neighboring gases. It involves researchers from various disciplines (physicists, astrophysicists, and mathematicians), combining experimental, theoretical and digital studies.

This project involves five laboratories: the Physics laboratory at the ENS de Lyon (LP ENS de Lyon), the Centre de Recherche Astrophysique de Lyon (CRAL), the Laboratoire de Géologie de Lyon (LGL), the Institut Lumière Matière (ILM), the Institut Camille Jordan (ICJ), and the Laboratoire de Mécanique des Fluides et d’Acoustique (LMFA).

- **Which Atmospheric Nanoparticles Trigger Health Diseases? (WANTED)** — Main leader: Christian George, CNRS Research Director.

The WANTED project aims to characterize the chemical composition of the fine fraction of secondary organic aerosols and to find a link with their toxicity on various cell and clinical systems.

This project involves five laboratories: the Institut de recherches sur la catalyse et l’environnement de Lyon (IRCELYON), the Centre International de Recherche en Infectiologie (CIRI), the Inflammation et Immunité de l’Épithélium Respiratoire (PI3) research unit, the laboratoire Cardiovasculaire – Métabolisme – Diabétologie – Nutrition (CarMeN) and the Institut des Sciences Analytiques (ISA).

**IDEXLYON Fellowships call for projects**

The IDEXLYON Fellowships call for projects aims to recruit high-caliber scientists by providing them with significant means to develop their research programs, assist in their move and allowing them to build a team for a long-term project.
After leading a research group about neuromuscular fatigue for five years at the University of Calgary in Canada, Guillaume Millet is now a sports physiologist and professor at the Université Jean Monnet. He has authored over 180 scientific publications and five books about physiology and endurance sports training. He leads the ActiFS chair (Physical Activity, Fatigue and Health) and won the IDEXLYON Fellowships call for projects.

‘Thanks to the Fellowships program, I was able to build a research team about fatigue immediately upon my return from Calgary, as this is the number one symptom of many diseases in different populations. I am fortunate to be working in Saint-Étienne, in a very well-equipped environment to explore human movement, and the Fellowships program enables me to fund senior scientific staff (post docs, research fellows).

Additionally, this internationally renowned program gives me the opportunity to recruit international researchers and help make Lyon and Saint-Étienne a well-known research site on the global stage in the field of exercise physiology and health.

My research aims to gain a better understanding of the physiological, neurophysiological and biomechanical factors that determine fatigue, both in extreme exercise and in disease. My integrative approach aims to gain a better understanding of patients’ chronic fatigue, in collaboration with people working in more fundamental research areas, clinicians in Lyon and Saint-Étienne and researchers in France and abroad. The IDEXLYON-funded project will primarily target patients with cancer or MS, patients who stayed in the ICU and seniors. The ultimate aim of this research program is to provide customized treatment, especially in terms of the type of recommended physical exercise, to improve patients’ quality of life and decrease health spending.’
The Université de Lyon’s ‘Ethics platform’ was launched in 2014, and focuses on intelligence, research and education about research ethics, scientific integrity and researchers’ social responsibility. In terms of intelligence, the platform provides reference texts, takes part in national meetings and maintains a relationship with other universities surrounding ethics and scientific integrity.

One of the major events of 2018 was the launch of the Research Ethics Massive Open Online Course (MOOC).

The Université de Lyon attaches great importance to the promotion of its scientific productions, and aims to ensure that the results of its research are accessible to the general public. Thus, in keeping with the 2016 French ‘Law for a Digital Republic’, it is implementing a number of steps to promote the adoption of Open Access.

**RESEARCH ETHICS MOOC**

Due to the large number of PhD students enrolled in the Université de Lyon’s Ethics Platform, a Research Ethics MOOC, which was launched on the national FUN-MOOC website in September 2018. Three thousand participants from all over France registered, and the course completion rate is over 50%. A more detailed version including case studies and a peer-grading system was offered as a SPOC (Small Private Online Course) for PhD students at the Université de Lyon. Of the 330 students who registered, 220 completed the program and received a certificate of completion.

In order to raise awareness and provide training surrounding the challenges posed by research ethics, the Ethics platform also held a seminar on June 6 and 7, 2018 exploring ‘Conflicts of interest and value conflicts: systemic challenges’. One hundred and fifty researchers at the site, external guests and PhD students discussed current issues related to ethics and research policies.

The HAL portal is a scientific publication archiving solution hosted by the CNRS. The Université de Lyon’s version, which was published online in 2016, makes scientific publications from projects conducted at the Lyon Saint-Étienne site available online. To this end, the portal aims to:
- Increase the visibility and the distribution of publications in order to promote the Université de Lyon’s scientific outputs;
- Archive and provide access to the data and publications in the long term and to the general public.

**OPEN ACCESS DAY**

Every year, since 2016, the Université de Lyon has been holding a day of workshops, lectures and sharing experiences surrounding the links between information professionals and researchers who are favorable to open science. Over 80 facilitators, librarians, students and researchers attend this event. This day is an opportunity to show the potential link between information professionals and researchers to create structured, long-standing programs for open science.

At the same time as this event, ten workshops for doctoral students and research professors are held on campus, creating posters and serious games that will be made available to people on the site after the workshops.
Support for colloquiums and for thematic schools

In March 2018, two campaigns were launched to support large international events: support for colloquiums and support for thematic schools. They aim to contribute to the site’s influence by promoting its scientific research and strengthening its pursuit of excellence and scientific plurality.

In 2018, 28 events were held, for a total amount of 197,500 euros. They were attended by over 8,200 people, 54% of whom came from abroad. The strong representation of the human and social sciences in these two funding campaigns (38% of colloquiums) is evidence that this support is helpful and meets a need in the community.

ELAN-ERC program

The ELAN-ERC scheme was launched in May 2018 in order to support researchers and research professors in preparing their applications for European Research Council (ERC) calls for projects. Ahead of the first Academic Group meeting, the institutions conducted a phase aiming to identify project leaders, including Starting Grants (STG) and Consolidator Grants (COG), planning to apply in 2019 or 2020. This support initiative included two types of actions:

- Financial, for a maximum request of 50,000 euros to purchase materials and specific services or to fund fellowships;
- Scientific, with the organization of group meetings/workshops or one-on-one support throughout the various phases of the application process.

This initiative was met with enthusiasm: the institutions assisted with thirty preselected applications, 16 of which received funding, on average 44,600 euros. The winners will also receive training to write their proposals.

FOCUS

THE WEB CONFERENCE

In the spring of 2018, the Web Conference was granted 20,000 euros in funding to hold its global event. The Université de Lyon hosted this prestigious conference for the second time, partnering with the Région Auvergne-Rhône-Alpes and the Métropole de Lyon, the Digital League and the International World Wide Web Conference Committee (IW3C2). It brought together 2,300 Web experts (scientists, industry players and users) from 67 countries on all 5 continents.
Certified Master’s courses aim to support the creation of quality Master’s programs, enhancing the Université de Lyon’s international profile. These training courses must be co-accredited by at least two of the Université de Lyon’s member institutions and must prove that there is a very strong link between research and education in at least one of the three fields in which the Université de Lyon excels (bio-health and society, science and engineering, and humanities and urbanity). These Master’s courses structure international collaborative research and help transfer results from research to science seminars for Master’s and doctoral students as well as researchers in the laboratories and LabExes.

Of the 19 Master’s courses certified by the PALSE, seven were IDEXLYON-certified in September 2017. The second phase of Master’s courses certification, which began with the autumn 2017 call for projects, led to the certification of 13 new Master’s programs, for a total of 20 IDEXLYON certified Master’s courses.

The certification remains effective throughout the Master’s program accreditation period, limited by the duration of IDEXLYON funding.

We interviewed Xin Yee Ng, a student in the IDEXLYON Acoustics Master’s program

Originally from Malaysia, Xin Yee Ng pursued a mechanical engineering program at the Tenaga Nasional University in Kuala Lumpur. In 2017, she came to Lyon for the International Acoustics Master’s program, one of the 20 IDEXLYON Master’s programs. Aside from the challenge of learning a new language and immersing herself in a completely different culture, she applied for this Master’s program because of its high educational quality.

‘The Université de Lyon’s Acoustics Master’s program is taught over a two-year period, and is backed by the CelyA LabEx (Lyon Acoustics Center), which brings together the main acoustics research teams in Lyon. The program is coordinated by the École Centrale de Lyon and Polytech-Lyon (the Université Claude Bernard Lyon 1’s engineering school), in collaboration with the ENTPE and the INSA Lyon. This Master’s program provides training in multiple areas, such as aero-acoustics, vibro-acoustics, sound perception, ultrasound, which have many different applications for the environment, transportation and health. The study program consists of theoretical learning, digital and experimental work, projects carried out in partner laboratories and research training with over one semester spent doing an internship in a laboratory or business in France or abroad.

During my second semester, I was given the opportunity to do an internship in the Tribology and System Dynamics laboratory (CNRS, École Centrale de Lyon, ENISE, ENTPE). I would like to become an acoustician, but I am not sure which field I will go into yet. This is why I am trying to find very diverse internships so I can narrow down my career goals. I am planning to travel to Australia to do a building acoustics internship in the field of environmental acoustics. It is possible to be an acoustician in Malaysia, in particular in the field of civil engineering and in the oil and gas industry, but the field is still in its early stages of development in my country. This is why I would like to begin my career in France, perhaps even in Lyon, which is at the cutting edge of acoustics, or in Australia.’
Educational innovation

In 2017, as part of the IDEXLYON project and its application for the ‘New University Programs’ call for projects, the Université de Lyon led a series of experiments to entirely transform its undergraduate programs. The curriculum transformation aims to take into account the diversity of students coming to the university after their baccalaureate that cover a variety of levels, paces of study and multidisciplinary, interdisciplinary and even vocational courses. Three types of programs were designed and tested, with the support of the IDEXLYON, including the Cursus Licence professionnelle program.

The Cursus Licence professionnelle program

Four experimental Licence-level technical programs (PTGL, Parcours technologiques du grade de licence) were launched at the IUT of the Université Claude Bernard Lyon 1 (Biology DUT, Chemistry DUT, Electric Engineering DUT and Industrial IT DUT). This initiative aimed to offer secure programs to students who would like to gain professional certification in three years that also meet the needs of the business world to train middle managers. In addition to these experimental programs, pathways were created to address study guidance challenges, enabling students at the beginning of a general undergraduate program to join a PTGL program. These educational programs were launched in 2018 and have so far enrolled 67 students.

In 2018, the first stages of the IDEXLYON program for Educational innovation were implemented with three structuring initiatives:

- Supporting innovative educational programs in the beginning of the 2018–2019 academic year: two elite law programs, 2 undergraduate programs in IUTs and the Public Factory;
- The call for interest (AMI) in ‘Educational Innovation: innovative educational initiatives’ was launched on October 8, 2018 (with a total budget of 50,000 euros). It has registered over 40 initiatives and helped launch 12 projects aiming to teach in a new way in order to improve students’ learning processes (blended learning, design thinking, project-based education, inverted classes, use of new technologies, using prototyping, etc.);
- An ‘Educational Innovation’ workshop was held on December 22, 2018, bringing together AMI applicants in order to build a community of Educational Innovation players.

FOCUS

CURSUS+

Following experimental programs funded by the IDEXLYON project in 2017, the Université de Lyon and its partners were selected in July 2018 to receive PIA3 funding for ‘New University Programs’ of 14.5 million euros. This project aims to further develop the CURSUS+ project for a fundamental and ambitious change to undergraduate university education, which mainly focuses on personalizing the curriculum and offering more diverse education programs, to better understand the diversity of its audience. The four universities in the Académie de Lyon, the Université Claude Bernard Lyon 1, the Université Lumière Lyon 2, the Université Jean Moulin Lyon 3, and the Université Jean Monnet, are the main players in this initiative alongside the Conservatoire National des Arts et Métiers (CNAM) and the ENS de Lyon.

Lifelong learning portal

In 2018, the IDEXLYON project also funded a lifelong learning portal, which aims to be a shared course catalog for all of the institutions in the network. The portal will be launched in the autumn of 2019 to guarantee better visibility of the vocational training programs, sorting them by ‘career’, and to highlight the advantages of choosing the Université de Lyon: the diplomas offered, its expertise and its cutting-edge tools. It is designed for continuing education players, segmented into three major groups: purchasers, prescribers and funders.
Innovation Academy

The Université de Lyon and IDEXXLYON are offering a selection of cross-cutting educational programs for PhD students at the Lyon Saint-Étienne site in order to help them in their career paths. A similar program to the one offered by the Beelys PEPITE was launched in 2018: the ‘Innovation Academy’ is a hands-on entrepreneurship training program. It is designed for PhD students from all disciplines who would like to develop their skills to innovate and even start companies. It is at the crossroads of three institutions: the Université de Lyon, the Fondation pour l’Université de Lyon (Beelys) and the PULSALYS SATT. Working closely with PULSALYS, Beelys built the Doctyboot program, which prepares young PhDs to apply to a support program offered by the SATT. Thanks to the agreements it has signed with technical platforms and fablabs, project leaders can gain hands-on experience and enjoy access to a number of resources.

2019 Results

The second edition of the Innovation Academy closed on May 23, 2019, at the Sucrière during the HUBLO Festival. After hearing the four pitches, the jury voted for the Her Hands Make project focusing on the ethical and fair trade of leather goods made by women in Iran.

Education and entrepreneurship: the Beelys program

Led by the Université de Lyon and the Fondation pour l’Université de Lyon, Beelys’ PEPITE center (Pôle Étudiant pour l’Innovation, le Transfert et l’Entrepreneuriat) has developed a highly ambitious entrepreneurship training program with the Student-entrepreneur diploma (D2E). The D2E gives students the national status of student entrepreneurs, enables them to experience teaching based on experience and encourages them to take action, as part of the Marco Polo incubator on the LyonTech -la Doua campus in Villeurbanne.

Students carrying out projects are:

- Supervised by two mentors: a teacher and a professional;
- Hosted by the incubator where they will receive specialized support: workshops and seminars, support with prototypes, support with international mobility and help for those applying for Inovizi funding (a funding scheme for young innovative companies), etc.

This program is funded by the IDEXXLYON.

A skill-based grant is offered for this program, enabling some project leaders to recruit an intern and develop their managements skills.

Detection work also matches some project leaders with the PULSALYS Technology Transfer Acceleration Office (SATT) to receive support from its laboratories and protection services.
INTERNATIONAL

International Alliance

The Université de Lyon has built a network of strategic partners, the ‘International Alliance’, in order to further its international policies and ambitions. It aims to ‘build an integrated research and educational space’ alongside its close partners in four geographical areas: Canada, Japan, China and Brazil, as well as in Europe, especially in neighboring countries (Italy, specifically Piedmont and Lombardy, and the Rhône Campus Alliance in Switzerland). It also aims to apply for the European Commission’s calls for projects. It is also involved in building international partnerships for local authorities. The International Alliance includes fifteen academic partners who have built structuring collaborative research and education projects with the Université de Lyon.

The Université de Lyon is opening a network of international representative offices which will be administered by the local institutions. The planned initiatives are related to the mobility of target populations (Master’s students, PhD students, research lecturers and professors, administrative and technical staff) in order to build a shared curriculum (summer schools, dual diploma programs, thesis co-supervisions) and scientific collaborative projects structured by partnering international laboratories, international mixed units and specific research platforms.

By redeploying its offices abroad, the Université de Lyon has launched a number of complementary mobility programs for students, professors and administrative staff alike.

FOCUS

RHÔNE CAMPUS ALLIANCE

In the final months of 2017, five universities from the Lake Geneva area and the Région Auvergne-Rhône-Alpes teamed up to create the ‘Rhône Campus Alliance’ to strengthen scientific synergies between the Université de Lyon, the University of Geneva, the Université Grenoble Alpes, the University of Applied Sciences and Arts Western Switzerland and the University of Lausanne. This network is based on the sharing of resources and skills between the five institutions and using their geographical proximity to develop collaborations in four main areas: energy, sustainable development, neuroscience and health.

DISTANCE LEARNING PROGRAM IN BRAZIL

Since 2014, the University of São Paulo (USP) and the Université Jean Moulin Lyon 3, the Université Lumière Lyon 2 and the Université Jean Monnet have been teaching French Law to USP students through PITES projects (Triangular Higher Education International Partnerships). This program involves sending professors to São Paulo and leads to a double diploma which is highly sought-after by recruiters.
As part of its international policy, the Université de Lyon is building a scientific cooperative network with the players of its International Alliance, through international mixed units (UMIs) and Associated International Laboratories (LIAs).

In 2018, three LIAs (Alpha 2 in the field of photonics, in partnership with Australia, Post-western sociology with China, ElyT Global in materials and systems engineering with Japan) received funding for their research work. Three UMIs also received funding: ElyTMaX in Japan with the University of Tohoku (for the study of material behavior in extreme conditions), LN2 in Canada with the Université de Sherbrooke (nanotechnology and nanosystems) and E2P2E in China with the East China Normal University (green chemistry).

In 2018, the Université de Lyon strengthened its partnership with Tohoku University by supporting the ElyTMaX UMI and launching the French branch of the research unit located in Sendai.

The opening ceremony for the Lyon branch was held in March, when the President of the Japanese University visited Lyon. The UMI aims to develop scientific mobility by hosting Japanese research lecturers. The agreement for the founding of the ElyT Global LIA was also signed during this official visit.

The JoRISS research platform, which was developed by the ENS de Lyon, the CNRS and the East China Normal University (ECNU) opened to the member institutions of the Université de Lyon in 2018 based on the co-funding received from the 2017 call for research projects. This is a one-of-a-kind tool for scientific cooperation between France and China, which combines a multidisciplinary approach (ten disciplines both in the humanities and in the so-called hard sciences) and an interdisciplinary approach, explicitly aiming to better integrate scientific knowledge into society.
The Espace Ulys

The Espace Ulys is a platform provided by the Université de Lyon dedicated entirely to welcoming international researchers and PhD students arriving from abroad to study at the Lyon Saint-Étienne site. In 2017, the Espace Ulys supported bringing in international talent by developing a program of initiatives to better integrate their spouses. It aims to ensure that spouses of researchers can find good jobs and to support them in building a life in France. To this end, it held several workshops: getting to know the job market in France, support in defining a career plan, discussions with a psychologist to address the issues and challenges inherent to being an expat. Indeed, some people who had only planned a short stay end up making their life in France.

In 2018, the Espace Ulys consolidated the support it provides in fulfilling required administrative tasks by taking on scheduling all appointments at the prefecture for ‘Passeport Talent-Chercheur’ (Talent-Researcher Passports) as part of the ‘International Talent Service’ program. In addition to providing administrative support, the Espace Ulys hosts social events for the international scientific community in order to foster optimal integration in the socio-economic and cultural spaces of the city and region, with welcome evenings, tours, French lessons, tours of companies, etc.

International partnership Diplomas

The site’s international outreach also involves educational initiatives, such as the IDEXLyon certified Master’s courses, which are a major source of international visibility. These Master’s programs address some of the main priorities of the International Alliance and Europe as they are built from existing scientific partnerships. They will eventually become dual diplomas offered alongside key partners within the International Alliance. The Beelys program has developed a network of partner incubators in order to facilitate the mobility of young entrepreneurs, who can enrich their offer by discovering different socio-economic backgrounds and find new partners. In 2018, the ISLYE program was opened with Quebec (Université de Sherbrooke and Concordia University), the United States (Calpoly), Europe (Liège and Brussels, and with the six ARQUS Alliance partners in principle), and the final stages are being prepared in early 2019 with China (Tongji University and Shanghai University), Morocco (Casablanca) and Tunisia (Sfax).

Incoming and outgoing scholarships, mobility within the Alliance and PhD student mobility

In order to build an integrated research and education space within the International Alliance, the Université de Lyon has launched incoming and outgoing mobility programs, two of which are specific to health sciences, and two summer schools to help build shared programs and increase the number of thesis co-supervisions. IDEXLyon also supports the international mobility of PhD students.

Student Welcome Desk

The Université de Lyon, the Rhône Prefecture, the Région Auvergne-Rhône-Alpes, the Métropole de Lyon, the City of Lyon, the Crous, ONLyon, Campus France and thirty other partners worked together to greet, provide information and support for students.

Every year, from September through November, the Student Welcome Desk opens to greet national and international students at the Lyon Saint-Étienne site and offer a number of services.

It aims to help them integrate into the city, with administrative support, information about student life and relaxed events where students can meet housing and healthcare professionals.
POSITION AND PROGRESSION IN INTERNATIONAL RANKINGS

Several of the Université de Lyon’s member institutions are ranked internationally. The Université Claude Bernard Lyon 1 is fairly well ranked in those that favor size (Shanghai, Leiden), while the ENS de Lyon and the INSA Lyon fare quite well for rankings that look at the number of publications/citations and that account for the number of researchers (QS, THE).

- Shanghai ranking (ARWU): the Université Claude Bernard Lyon 1 and the ENS de Lyon have been ranked 200-300 since 2012. D. Egret’s 2016 study (Université Paris-Sciences-et-Lettres) predicted that a unified Université de Lyon would be placed 101–150th.

- Leiden ranking: the Université Claude Bernard Lyon 1 is ranked fifth French institution in terms of ‘core publications’ (top 10% most cited). According to the figures published by the Leiden bibliometrics department, the ‘Université-Cible’ would reach second place in France.

- 2019 QS ranking: the Université Claude Bernard Lyon 1, the Université Lumière Lyon 2, the Université Jean Moulin Lyon 3, the ENS de Lyon and the INSA Lyon are ranked 601–650, 801–1,000, 153 and 478, respectively. In 2015, a QS estimation ranked the hypothetical merged Université de Lyon 169th.

- 2019 THE ranking: the Université Claude Bernard Lyon 1 is ranked 401-450, the ENS de Lyon 201-250, the INSA Lyon and the École Centrale de Lyon 601-800.

THE RANKING

International rankings are based on scores that come from a series of composite indicators, which create a prism to understand our institutions’ strengths. The THE ranking emphasizes international influence (based on the percentage of international students and staff and the number of scientific partnerships) of the INSA Lyon and the École Centrale de Lyon, the quality of research at the ENS de Lyon and the Université Lyon 1 (based on the average number of citations per publication) and the recognition of the ENS de Lyon ‘brand’ (the ‘Teaching’ and ‘Research’ scores are primarily based on reputation surveys).
The Collegium de Lyon

The Collegium de Lyon is an Institute for Advanced Study (IEA) which was founded in 2008, following a globally well-established model. It belongs to the French (RFIEA) and European (NETIAS) networks, and invites fifteen to twenty international researchers and intellectuals each year, who have been selected by an international scientific board for their excellent profile and original project. Each researcher is given excellent working and living conditions to foster scientific creativity for five or ten months. They are relieved of their usual obligations and able to focus on their research full-time, in partnership with one or more local laboratories.

In 2017 and 2018, the Collegium hosted 30 researchers. They came from a wide variety of different backgrounds: Europe (15), North America (12) and South America (1), Asia (1), Russia (1). They work in all disciplines of the human and social sciences and the exact sciences (mathematics) and life sciences (biochemistry).

All of these researchers regularly take part in university seminars at the site and have organized a number of international scientific events.

The majority of researchers in the Collegium de Lyon plan to return to their home country and academic institution and promote the Université de Lyon when they return.

Duncan Keenan-Jones is a research associate at the University of Glasgow in Scotland. His research focuses mainly on ancient history and geoarchaeology. He is working on the dynamics of urban communities in Ancient Rome, how they used technology to secure water supplies, and their interaction with the climate and environment.

Duncan is also interested in interdisciplinary approaches that help us to piece together the past (at the crossroads of geology, evolutionary biology and genomics, and archeology and history) and in the way in which a better understanding of the past could help us to prepare for the future.

‘One day, researchers from the Archéorient laboratory at the Université Lumière Lyon 2 and the geology laboratory at ENS de Lyon contacted me with an offer to work with them.

While writing our two joint publications, I was impressed by the innovative research carried out in Lyon, the expertise in archeology and geochemistry, the cooperation between the various teams and their world-class analysis equipment. So, I thought it could be good to extend my stay here. The wide range of disciplines represented by researchers in Lyon means that it offers a very stimulating environment.

Weekly seminars result in fruitful discussions on subjects of common interest. The Collegium also provides its members with exceptional support (housing, guidance in the French higher education system, bilingual staff and French courses), which helps English-speaking families settle in Lyon.’

*Archéorient - Environnements et sociétés de l’Orient ancien laboratory, member of the MOM (Maison de l’Orient et de la Méditerranée)
STUDENT LIFE

Support for student initiatives

Through the IDEXLYON project, the Université de Lyon is investigating how to foster a sense of belonging and encourage student initiatives by centering students. To this end, since October 2017, it has been offering ‘action workshops’ for students, during which it takes note of their needs and allows them to play an active role in defining initiatives and programs for students. Since September 2018, student working groups led by the student vice-president of the Université de Lyon have been addressing student life policy challenges. These working groups include the student vice-presidents of all three universities in Lyon and Saint-Étienne and student representatives from the Université de Lyon’s member and associated institutions.

Key projects to bring students together and develop their sense of belonging

Arts and Culture in Higher Education Days (JACES)
The national Arts and Culture in Higher Education Days (JACES) were launched by the French Ministry for Higher Education, Research and Innovation and the Ministry for Culture, and they aim to promote the cultural and artistic achievements of higher education. The general public, as well as staff and students, are invited to discover the diversity, richness and quality of the cultural and artistic works created by students and professional artists. For two years running, the Université de Lyon and institutions of higher education in Lyon and Saint-Étienne chose to combine their artistic and cultural programs and highlight student initiatives on campus. In 2019, the French Ministry for Higher Education, Research and Innovation assigned the organization of the closing JACES event to the Université de Lyon. Over 1,000 people (both students and the general public) attended the French-Welsh band Shake Shake Go’s concert. Two student bands opened for the performance, selected for the ‘Spotlight’ award in the Campus Arts call for projects: Gat’ & RIM and Manta.

FOCUS

FOSTERING STUDENT CREATIVITY

The IDEXLYON launched the Campus Arts call for projects. This call for projects is linked to the JACES days. It highlights students’ creative initiatives and fosters artistic expression by building them into the festival’s program.

The Université de Lyon’s Sports Association

In 2017, the Université de Lyon’s Sports Association (AS UdL) was created to bring together top athletes to compete in national and international sporting events. It was the first-ranked Sports Association in France from its very first year, which led to the Université de Lyon being represented in the 2020 European Universities Games. The AS UdL opens access to athletic competition to a wider number of students, including women.
SOCIO-ECONOMIC PARTNERSHIPS

The IDEXLYON was already involved with local players, including research organizations, local authorities and businesses before the site’s certification. From its inception, the project aimed to structure and strengthen these partnerships. To this end, many initiatives were implemented alongside socio-economic organizations.

Promotion and transfer initiatives

One of the major knowledge promotion and transfer initiatives led by IDEXLYON in 2018 involved restructuring the service offering for its socio-economic partners. This offer is provided by the Université de Lyon, the Fondation pour l’Université de Lyon, and the PULSALYS SATT, and it aims to promote the services provided by local players in Lyon and Saint-Étienne. It centers around four big themes:

- ‘Strengthening your team’s skills’;
- ‘Developing innovative solutions’;
- ‘Thinking outside the box for R&D’;
- ‘Broadening your professional network’.

The service offering is being promoted through several channels: videos, interactive charts and project sheets.

In this context, the IDEXLYON is also supporting the Innovation Factory in organizing student-company challenges. These challenges meet companies’ needs while helping students learn new skills.

Additionally, the Université de Lyon has created a network for Innovation, Creativity and Entrepreneurship (RICE) instructors in its member institutions. Most of these RICE instructors are professors, which ensures that they come into direct contact with students, other professors and institutional staff. They serve as liaisons between the institutions and the Université de Lyon’s programs for innovation, creativity and entrepreneurship. Their role is to bring to light the needs expressed by students and professors in these areas and to facilitate ‘Innovation, Creativity and Entrepreneurship’ activities within and between institutions by communicating the projects run by the Université de Lyon or by facilitating the implementation and development of projects run by individual institutions. The network provides them with an array of tools to assist them in this task: a newsletter, best practice meetings, themed workshops, personalized support, etc.

EVENT: ‘THE UNIVERSITÉ DE LYON IS SERVING THE SOCIO-ECONOMIC WORLD’

The Université de Lyon’s new service offering was introduced on March 15, 2019, during the ‘the Université de Lyon is serving the socio-economic world’ day, which was attended by over one hundred local partners. It aimed to offer new tools to foster relationships between the socio-economic world and the Université de Lyon, thereby contributing to the success of the University, its students and partners.
Relationship with the PULSALYS Technology Transfer Acceleration Office (SATT)

IDEXLYON has positioned itself to strengthen the existing service offering of the main local player for promoting and transferring technology, the PULSALYS SATT. It has tested major process changes. In this context, the IDEXYLON project and PULSALYS SATT have launched two joint calls for projects in the past two years: ‘Humanities and urbanity’ and ‘Tech4Inclusion’.

IDEXLYON and the PULSALYS SATT now plan to get other local players involved, including the Innovation Factory, for a cerebration meeting to define future calls for projects they will launch together.

Structuring projects with companies

The IDEXYLON consortium led a project involving multiple stages to identify and support IDEXYLON industrial chairs. This led to the 2018 signature of the ‘ROAD4CAT’ chair agreement in the field of environmental chemistry. This chair is led by the Université de Lyon, and brings together the IFP Énergies nouvelles and the Chemistry Laboratory of the ENS de Lyon (ENS de Lyon, CNRS and Université Claude Bernard Lyon 1).

FOCUS

**TECH4INCLUSION CALL FOR PROJECTS**

The Tech4Inclusion call for projects led by the PULSALYS SATT and the Université de Lyon through IDEXYLON was launched in September 2018. This call for projects supports laboratory inventions aiming to improve the quality of life of people with disabilities and marginalized people. It has brought the scientific community together to work on solutions for a societal challenge and launched a project built by all the local players (scientists, local authorities, companies and the civil society). Tech4Inclusion will help support projects in the maturation and pre-maturation stages, which will each be granted 30,000 euros in funding from the IDEXYLON.
Promoting PhD student interactions with the business world

Initiatives to promote a relationship between local business organizations and PhD students continued in 2018 with specific innovative training programs to assist PhDs in their career paths, including:

- The third Doctoriales event, which was attended by 51 PhDs and eight partner companies in 2018;
- The third Cross-border Doctoral Workshop in the autumn of 2018 in Turin, which prepared PhDs for their careers with training modules and gatherings attended by companies;
- The ‘From your PhD to employment’ program, which provided personalized support to 41 PhDs struggling to find work;
- The employment forum in October 2018, in partnership with the Grenoble Alpes and Clermont Auvergne universities, the CNRS, the Inserm and Pôle emploi, which saw an increase in participation.

The Science Shop

The Université de Lyon has developed the spread of scientific and technical culture and strengthened the relationship between science and society with the Science Shop. This program enables organizations and citizen groups to receive expert advice from a team of academics to consolidate their initiatives, assess their impact and experiment with innovative approaches.

In 2018, this program helped conduct 11 studies in a wide variety of areas, including the digital divide, school dropouts or fighting against isolation in cities, and organized two prospective challenges that drew 80 participants from different backgrounds in order to bring to light needs for innovation. Additionally, training programs for participatory research and a seminar covering ‘Strengthening the ties between universities and civil society’, in partnership with the Université de Sherbrooke (Canada) were also held this year.
In 2018, a total of 47 researchers and research lecturers benefited from an attractiveness program to improve their chances of being recruited and integrated in the Lyon Saint-Étienne area. Nine of them are elite scientists who were recruited through the IDEXLYON Fellowships call for projects, and 24 research lecturers and researchers came to the site through the IMPULSION call for projects, and 14 people came to the site through the Collegium (Institute of Advanced Studies). Additionally, as part of the ELAN-ERC and SBP programs launched in 2018, several fellows and PhD students were recruited to assist in the project implementation. A total of 3.38 million euros were allocated to recruiting researchers and/or student researchers for these two initiatives.

IDEXLYON Fellowships call for projects

The call for IDEXLYON Fellowships projects aims to attract top-level scientists with significant international experience and bring them to Lyon and Saint-Étienne.

IMPULSION Call for projects

The IMPULSION call for projects aims to fund research and education environments to assist new researchers and research lecturers who recently joined the Lyon Saint-Étienne site.

**BIO**

We met with Adriana Erica Miele, winner of the 2017 IMPULSION call for projects for her project ‘Mapping the macromolecular interactions between host and parasite’

She was an associate professor for ten years at the University of Rome – La Sapienza in Italy. In 2016, Adriana became a professor at the Institut de Chimie et Biochimie Moléculaires et Supramoléculaires in Lyon. She chose to build a life in Lyon not only for the excellent research opportunities it offers, but also for the excellent quality of life it has to offer for her young family. The IMPULSION project enabled her to purchase the technical biochemistry materials needed for the Institut de Chimie et Biochimie Moléculaires et Supramoléculaires laboratory, making it possible to get her project off to a good start from day one.

‘This project is very rewarding for the Lyon Saint-Étienne university site as well as for the international visiting researchers and research lecturers, because they receive the same level of support as in large universities. Lyon is a very large city with a strong human dimension that provides excellent research opportunities and a high quality of life.’
The Université de Lyon has 12 LabExes that are funded by IDEXLYON. These laboratories and laboratory groups foster the creation of ambitious, international scientific projects by recruiting researchers and investing in innovative equipment.

In 2018, the IDEXLYON coordination team supported the LabExes throughout the extension process. It then assisted them in completing the production and document approval stages required by the ANR. The IDEXLYON steering committee also played an important role in consulting with and communicating information to laboratories and partner institutions. The Academic Group compiled a report collecting feedback and recommendations from the institutions.

On February 11, 2019, Frédérique Vidal, the French Minister for Higher Education, Research and Innovation, announced that 11 LabExes at the Université de Lyon were extended for a five-year period.

Two projects led by the Université de Lyon were selected for the first Graduate Schools of Research (EUR) initiative led by the PIA 3, launched by the ANR in early 2017. The initiative aims to bring together Master’s and PhD training programs, as well as one or more high-caliber research laboratories, ensuring that the projects cooperate strongly with research organizations, have a strong international outreach and maintain close links with economic players wherever possible.

The H2O' Lyon Graduate School of Research focuses on water science and hydrosystems, while the MANUTECH-SLEIGHT Graduate School of Research is at the convergence of several disciplines (photonic optics, materials science, mechanics, imaging, computer science and bioengineering).

The Université de Lyon's IDEXLYON coordination team participated in building the consortium agreements of these schools.

Two projects led by the Université de Lyon won the Convergence Institutes call for projects launched by the ANR as part of the PIA program. This call for projects aims to provide a framework for large-scale multidisciplinary scientific sites with strong visibility, to address major social and economic challenges and issues posed by the scientific community.

The École urbaine de Lyon is innovating by creating a new field of knowledge and study: the urban anthropocene. The François Rabelais Institute for multidisciplinary cancer research (PLASCAN) aims to build a multidisciplinary research institute in Lyon and Saint-Étienne in the area of cancer plasticity and its impact on personalized medicine.

The IDEXLYON coordination team participated in building the consortium agreements of these institutes.
THE FIRST ‘ANTHROPOCENE SCHOOL’ WEEK
The first ‘Anthropocene School’ week was held from January 24 to 31, 2019, and organized by École urbaine de Lyon. It was very well attended and led to discussions of new ideas that concern everyone in a new, creative and friendly location, les Halles du Faubourg.
It offered a large selection of events: workshops, public lectures, debates, readings, seminars, radio shows, photography exhibitions, video equipment, film club, events for children and teenagers, a large bookstore and the 2019 Night of Ideas exploring ‘Facing the present’, organized with the Institut Français. The week ended with a visit of the museum of contemporary and modern art in Saint-Étienne.
COMMUNICATION OF THE PROJECT

Following the deployment of a new logo and graphic charter in 2016, the general brand architecture was revamped in 2017 in order to increase the visibility, readability and consistency of the Université de Lyon’s brand. Now, all projects and initiatives communicate under the name of the Université de Lyon. This project was conducted alongside the LabExes, doctoral schools, Graduate Schools of Research (EURs), Convergence Institutes, and initiatives/projects led by the Université de Lyon.

The Université de Lyon’s website (universite-lyon.fr) was completely redesigned in 2017 in order to meet these visibility, readability and coherence objectives. An English translation of the website was created in order to strengthen relationships with international communities. The number of headers was reduced to make the ‘education’, ‘research’, ‘innovation and entrepreneurship’, ‘international’, ‘campus life’, and ‘culture, science & society’ sections stand out.

The Université de Lyon’s flagship project, IDEXLYON, has its own website (idexlyon.universite-lyon.fr), which was also completely refashioned and animated in 2017 (this website also offers an English translation). It relays calls for projects touching on research, education, international, student life, socio-economic partnerships and attractiveness.

Social media accounts were also further developed, with the launch of an Instagram account in 2018 and a better-defined editorial strategy, which highlights key initiatives. The Université de Lyon is now the second-ranked COMUE in France on Twitter, with its 17,000 followers.

The number of people following the Université de Lyon on its social media sites has substantially increased: 11,903 on Facebook, 17,624 on Twitter and 7,196 on LinkedIn.

The Université de Lyon promoted itself through a number of noteworthy initiatives in 2017, including:

- The launch of the Pop’Sciences website (popsciences.universite-lyon.fr) in June, a digital portal for scientific culture and the spread of knowledge to the general public;
- The first joint participation in entrepreneurship programs at the Entrepreneurs trade show in Lyon in June, under the Université de Lyon banner.

In 2018, the websites for the LabEx, doctoral schools, Graduate Schools of Research and Convergence Institutes were harmonized with the Université de Lyon’s site.

The brand was also promoted in the regional and national press, with several press releases and image communication. For instance, in *Le Monde*, when *l’Étudiant* magazine published its university rankings and Lyon was for the second time placed second student city.

The Université de Lyon’s 2018 Academic Year Ceremony was dedicated to the Investments for the Future programs, with Guillaume Boudy, general secretary for investment. The event was an opportunity to take a look back at the progress the IDEXLYON project had made so far in structuring the ‘Université-Cible’. It also honored the winners of IDEXLYON calls for projects.

In March 2019, the Université de Lyon and the Fondation pour l’Université de Lyon organized a day for the socio-economic world in order to present a shared service offering. One of the benefits of this tool is that it facilitates interactions between the socio-economic world and the Université de Lyon. This service offering involves various communication media: video, interactive charts, project information sheets.
### IDEXLYON TRIAL PERIOD

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<td>IDEX certification</td>
<td>Founding of the new institution and implementation of its components</td>
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<td><strong>2019</strong></td>
<td><strong>2nd stage, consolidation</strong></td>
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<td>● Governing board vote</td>
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<td><strong>2030</strong></td>
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### 2017/2021 TIMETABLE