2024
annual report

IP Paris
Inventing the future, changing the world

INSTITUT POLYTECHNIQUE DE PARIS

ÉCOLE POLYTECHNIQUE

ENSTA

ÉCOLE NATIONALE DES PONTS ET CHAUSSÉES

ENSAE

TELECOM Paris

TELECOM SudParis

Contents

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Profile

The Institut Polytechnique de Paris is a world-class science and technology institute that brings together six prestigious French engineering schools: École polytechnique, ENSTA, École nationale des ponts et chaussées (ENPC), ENSAE Paris, Télécom Paris and Télécom SudParis. Together, they combine their expertise to accomplish two major goals: to develop exceptional training programs and engage in cutting-edge research to meet major societal challenges. Institut Polytechnique de Paris's development is aligned with the France 2030 investment plan, a major project aiming to give France a strategic lead in key sectors, while strengthening its sovereignty and consolidating its position on the global stage.

BUDGET

€435 M[1]

TOTAL CONSOLIDATED REVENUE OF IP PARIS
(public funding, calls for projects, tuition fees, campus commercialization activities, corporate financing)

1. Excludes contributions from organizations.

2,250
TEACHING & RESEARCH STAFF

RESEARCH

45
LABORATORIES

77
CHAIRS

14
RESEARCH FIELDS

5,317
PUBLICATIONS PER YEAR

TRAINING

15
FIELDS OF STUDY

11,400
STUDENTS INCLUDING 7,400 ENGINEERING STUDENTS, 2,110 MASTER'S STUDENTS (IP PARIS MASTER'S PROGRAM, MS, MSC&T, AND MSC), 1,460 PHD STUDENTS, AND 430 BACHELOR'S DEGREE STUDENTS

INNOVATION

4
INCUBATORS

OVER 120
START-UPS INCUBATED EVERY YEAR

Interview

Thierry Coulhon
President of Institut Polytechnique de Paris

"We have the tools we need to act, expand our influence, and train those who will invent the solutions to the major challenges of the 21st century."

Q. ***IP Paris is actively continuing its development. 2024 was a decisive year both on an institutional and scientific level. What major milestones were reached?***

Thierry Coulhon. For IP Paris, 2024 was about strengthening foundations and ensuring stability. This resulted in my transition from Acting President of the Board of Directors to President, thus establishing stable leadership. Work was also carried out to clarify the levels of responsibility and fields of expertise between the schools and the Institute, and to define the directors' collective role as the decision-making body. The decree of July 15, 2024 ratified the new statutes and strengthened the institution's governance and strategic management. In line with this framework, all our services now come under the General Services Department, headed by Baptiste Bourboulon. The establishment of this new governance model culminated in the adoption of a new internal policy framework in the spring. This process of strengthening the executive team, which started in 2024 with the recruitment of a Vice President for Europe and International, Christopher Cripps–with a remit to expand IP Paris's global reach–continued this year with the appointment of Élisabeth Crépon, Vice President for Education and Student Life, and Jamal Atif, Vice President for Research and Innovation. Another new development is that most of our Vice Presidents are now focusing their time exclusively on the Institute, without performing other functions within the schools. This represents a major turning point, as IP Paris now has a dedicated executive team. Having stabilized and strengthened its organizational structure, the Institute now has all the tools in place to continue its growth and consolidate its position as a world-class institute of science and technology.

Q. ***The decree of July 15, 2024 also officially confirms ENPC's integration into IP Paris: Is this an important step?***

T. C. Under the new statutes, the École nationale des ponts et chaussées (ENPC), a long-standing and privileged partner of IP Paris, is now a member school of the Institute. ENPC's arrival is a logical step: as a prestigious engineering school, it shares a tradition of excellence with the other schools, and has demonstrated its commitment to promoting science and technology that serves the public interest. ENPC has enabled us to broaden our education and research offering. The Institute is thus expanding into strategic fields such as sustainable cities, civil engineering and construction, as well as environmental, climate, and energy sciences. Another milestone in IP Paris's development in 2024: the merger between the two ENSTA schools, effective as of January 1, 2025, and their joint intake of engineering students in September 2026. Having incorporated the combined strengths and expertise of the two ENSTA schools into IP Paris's Brest and Palaiseau campuses, we are now better equipped to take on major industrial and societal challenges in sovereign sectors: defence and security, energy, transport and mobility, health, shipping, and digital technology. With the expansion of its scope, IP Paris is opening two new sites in Brest and Champs-sur-Marne,

"We are positioned to take on major societal challenges and must address issues related to sovereignty."

which will be fully integrated into life at the institution. Nonetheless, I still believe that geographical proximity is important, helping to foster close ties, and we must capitalize on the renowned reputation of Paris-Saclay, an institution exemplified by international expansion, and fully aligned with our own ambition for global visibility. ENPC will soon be moving into additional premises on the Palaiseau campus.

Q. ***IP Paris is at the forefront of the major challenges currently faced by the country and society. How has this point been reiterated in 2024?***

T. C. Our fields of expertise, such as mathematics, statistics, and computer science, are transforming the world today in the most tangible ways, whether economically, geopolitically, or socially. The most fundamental aspects of science, in which we specialize, are closely linked to the profound changes taking place in society. And the one area that is completely changing the game is artificial intelligence. IP Paris was already highly visible in this area, through our interdisciplinary center, Hi! PARIS, co-founded with HEC Paris. The center, which received support from seven corporate sponsors, won the AI Cluster call for tenders in 2024. It has been awarded one of the largest grants from the government, totalling €70 million over five years, to create a world-leading artificial intelligence hub. As a result, we will be recruiting new researchers, developing Master's programs, and funding new PhDs, in order to train real experts in artificial intelligence, while focusing on an emerging phenomenon: the verticalization of AI for specific applications in major industries. This project has already helped to raise IP Paris's profile and will, of course, have an economic impact. This was evident at our "AI, Science, and Society" conference, held last February in the lead-up to the AI Action Summit, and, in July, with the signing of the "Entente CordIAle" partnership agreement linking IP Paris, HEC Paris and Université Paris-Saclay to the Universities of Oxford and Cambridge.

Q. ***Was 2024 an important year for IP Paris's international development?***

T. C. First and foremost, I would like to point out that, by their very nature, our schools have long been internationally-focused, whether through their students, faculty members or researchers. In 2024, with the arrival of our new Vice President for Europe and International Affairs, we have affirmed and ramped up our strategy to promote openness and cooperation on a European and global scale.
The goal is to consolidate our existing partnerships, develop new international working relations, especially in research, and position the Institute as a major player on the world stage. We have identified top-tier partner institutions with which we aim to establish new academic agreements. With 11,400 students, our institution is more attractive, especially as the rankings have highlighted our excellence in terms of employability and reputation. IP Paris's brand visibility is growing, without overshadowing the schools: their strong reputations are an advantage for the Institute, so the benefits are mutual.

Q. ***What challenges lie ahead in the coming months?***

T. C. We are positioned to take on major societal challenges and must address issues related to sovereignty, while consolidating our position on the international stage. The two are not mutually exclusive, and are even closely linked, in an increasingly competitive international market. The human factor remains our greatest challenge. This can be seen at various levels: the need to recruit the best researchers, attract the most talented students, and continue improving our services, whose work is essential to the proper functioning of our Institute. IP Paris's shared services now employ close to 100 people and play a central role in building the federal institution. They obviously work closely with the schools' departments, in a complementary and subsidiary way. IP Paris is an institution in development, but one that relies–and this is its great strength–on prestigious schools with a long history. This whole process involves capitalizing on the history of each school to create synergies and take them further. This means drawing on the strength of our diversity, and my role is to lead the group of school directors, particularly with the new appointments in recent months: Anthony Briant and Maylis Coupet in 2024, and Patrick Olivier and Estelle Iacona in 2025. My role is also to make it clear that we must work effectively as a team to achieve our goals. We are also facing another challenge, which is particularly close to our hearts: promoting equal opportunities. As highly selective schools, we have a unique responsibility in this area. We want everyone to get behind this issue, and I think we can also help inform the public debate. 2025 will mark an important milestone, with the inauguration of a dedicated observatory, in partnership with the Institut des Politiques Publiques and the network of Écoles Normales Supérieures.

Governance

A consolidated governance model

The Executive Committee was consolidated in 2024 with the recruitment of Christopher Cripps, Vice President for Europe and International Affairs, and the establishment of a General Services Department, led by Baptiste Bourboulon. In 2025, Élisabeth Crépon was appointed Vice President for Education and Student Life, and Jamal Atif, Vice President for Research and Innovation. There have also been new appointments among the school directors, with the arrival of Anthony Briant and Maylis Coupet in 2024, and Patrick Olivier and Estelle Iacona in 2025. IP Paris now has a dedicated and committed executive team to fulfil the Institute's mission: continue its growth and consolidate its position as a world-class institute of science and technology.

EXECUTIVE COMMITTEE (IN 2025)

❶ **Thierry Coulhon,** President of Institut Polytechnique de Paris

❷ **Laura Chaubard,** Acting President of the Administrative Board of École Polytechnique, Director General of École Polytechnique, Vice President of IP Paris Campus Life

❸ **Estelle Iacona,** Director General of ENSTA

❹ **Anthony Briant,** Director, École Nationale des Ponts et Chaussées (ENPC)

❺ **Catherine Gaudy,** Managing Director of Genes

❻ **Maylis Coupet,** Director of ENSAE Paris

❼ **Patrick Olivier,** Director of Télécom Paris

❽ **François Dellacherie,** Director of Télécom SudParis, Vice President IP Paris Information Systems

❾ **Jamal Atif,** Vice President, IP Paris Research and Innovation

❿ **Élisabeth Crépon,** Vice President, IP Paris Education and Student Life

⓫ **Christopher Cripps,** Vice President, IP Paris Europe et International

⓬ **Sylvaine Neveu,** Vice President, IP Paris Corporate Partnerships

⓭ **Baptiste Bourboulon,** IP Paris Director General of Services

NEW MEMBERS OF THE IP PARIS EXECUTIVE COMMITTEE

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▶ In 2024

Baptiste Bourboulon
Director General of Services
(read his testimonial opposite)

Anthony Briant
Director of ENPC

Maylis Coupet
Director of ENSAE

Christopher Cripps
Vice President, Europe and International Affairs

▶ In 2025

Jamal Atif
Vice President, Research and Innovation
(see his testimonial on page 6)

Élisabeth Crépon
Vice President, Education and Student Life
(see her testimonial on page 6)

Estelle Iacona
Director of ENSTA

Patrick Olivier
Director of Télécom Paris

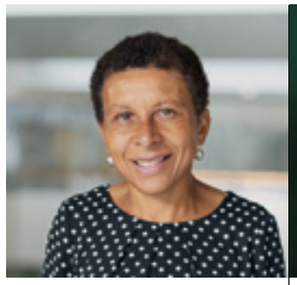
VIEW THE SHARED SERVICES ORGANISATIONAL CHART

Baptiste Bourboulon, Director General of Services (DGS)

"IP Paris reflects an emblematic collective project with shared services in rapid growth."

IP Paris depends on its shared services, which are still in the nascent stage, but are growing rapidly, and will require further structuring. Major progress has been made in the last few months.
As part of the reform of our internal policy framework last March, a new, more transparent structure for shared services was adopted. The support functions have been strengthened to support the Institute's growth. We have adopted new procedures, with the introduction of a system for reporting and handling incidents of harassment, discrimination, and violence of a sexual or gender-based nature, for both users and staff. In addition, the Board of Directors recently approved the plan to move all of IP Paris's shared services into new premises, a major project that will improve our collective efficiency and working conditions. IP Paris is also a collective endeavor. As stipulated in the new organizational memorandum, we meet regularly with member schools via a committee of secretaries general and directors general of services, to coordinate our work in finance, human resources, purchasing, and real estate strategy. A perfect example of what we have achieved together: in accordance with IP Paris's new statutes, and for the first time last July, we presented a consolidated budget, outlining the funds and human resources allocated to IP Paris and its member schools, to the Institute's Board of Directors. We will continue to work on and develop joint projects over the coming months, in accordance with our priorities, such as student accommodation, human resources, and a collective purchasing strategy."

▸ Baptiste Bourboulon took up the position of IP Paris Director General of Services (DGS) on September 2, 2024. He previously served as Budget and Real Estate Advisor to the Minister of Higher Education and Research, Sylvie Retailleau.



Élisabeth Crépon,
Vice President,
Education and
Student Life

Jamal Atif,
Vice President,
Research
and Innovation

“From ENSTA to IP Paris: I apply my expertise to develop talent and improve student life.”

“IP Paris embodies a remarkable ambition and an unprecedented project in France: we are the only experimental public institution of this kind. For me, this is an exceptional opportunity to contribute to its development and success.
Through my experience as Director General of ENSTA Paris, I have gained an insider’s view of the project that allowed me to understand both the key challenges and the levers for action. Today, I intend to put experience to work to serve the entire IP Paris community and its shared purpose. In terms of education, our action roadmap will build on the excellent assessment of our Master's and Doctoral programs by the Hcéres, which praised both the results achieved over the past five years and the restructuring project we are now set to implement. In particular, we will focus on mainlining high academic standards and increasing the national diversity of the students we recruit. The Teaching Committee will prioritize cross-disciplinary issues that can bring added value to the schools. I have focused on student life throughout my career and will continue to do so in my role at IP Paris. Our aim is to provide the best possible experience for our students by bringing together the Graduate School, the Student Life Committee and the student associations. Working together is of the utmost importance. My goal is to foster a close dialogue with the vice-presidents, the directors and all the schools, as it is through this synergy that collective success is achieved.” ⁘

▸ Élisabeth Crépon, former Director General of ENSTA and former President of the Commission des titres d'ingénieur (CTI), has been Vice President of Education and Student Life at IP Paris since June 1, 2025.

“Research, innovate, dare: at IP Paris, research and innovation go hand in hand.”

“I am working to bring IP Paris’s ambition of becoming a world-renowned scientific institute to life.
My main task is to define and steer the Institute's scientific strategy, while at the same time advising the school directors on research and innovation. Defining a scientific strategy goes beyond simply identifying priority areas. Great discoveries sometimes come about by chance, but are always the result of exacting research that’s not without risk. My role is to foster the conditions that make these discoveries possible: attracting top talent, providing cutting-edge facilities and ensuring a stimulating and welcoming working environment. IP Paris must address today’s major challenges through its interdisciplinary centers, which we must continue to strengthen. But there are also issues of strategic autonomy that we cannot avoid and that are directly linked to disruptive innovation. What’s new about my portfolio is that it brings together research and innovation: I'm convinced that disruptive innovation is only possible when it’s grounded in cutting-edge scientific research. IP Paris has bold ambitions, rooted in a shared culture and common philosophy that unites all of the founding schools. All the conditions are in place to ensure that this major science and technology institute is successful in the 21st century.” ⁘

▸ Jamal Atif took up his position as Vice-President of Research and Innovation at IP Paris on September 1, 2025. Before joining IP Paris, he was, among other roles, Vice-President of Université Paris Dauphine - PSL, Scientific Delegate of CNRS and Deputy Director of the Institut PRAIRIE-PSAI.

GOVERNANCE BODIES

BOARD OF DIRECTORS

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The Board of Directors defines the strategic direction of the Institut Polytechnique de Paris and its operational policy. It makes decisions on the implementation of the Institute’s strategy and operational rules, and approves its plans, internal policy framework, and budget. It is responsible for its management and performance. Chaired by Thierry Carlier (until May 2025) and then Alexandre Lahousse, Deputy Director General of the French Defense Procurement Agency, its members have been chosen to reflect major national interests in line with the Institute’s mission.

◂ View the composition of the Board of Directors

ACADEMIC COUNCIL

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The Academic Council serves in an advisory role to the Board of Directors in the fields of education and research. The Board of Directors consults the Academic Council prior to deliberations on the Institut Polytechnique de Paris’s educational offering, as well as its research and value-creation policy. It can also make proposals on all subjects related to IP Paris academic activities. It is chaired by Fausto Sirotti, CNRS Research Director.

◂ View the composition of the Academic Council

THE INTERNATIONAL SCIENTIFIC ADVISORY BOARD (ISAB) is an advisory body to IP Paris’s governance bodies, responsible for supporting IP Paris in its strategic thinking and shaping its scientific policy. Chaired by Patrick Aebischer, former President of the École Polytechnique Fédérale de Lausanne, its members are eminent international scientific figures whose research covers all of IP Paris’s disciplinary fields.
Its members, from left to right in the photo above: Boris Murmann, Professor of Electrical and Computer Engineering at the University of Hawaii; **María José Calderón,** Theoretical physicist specializing in quantum materials for quantum technologies, Deputy Coordinator for Matter at CSIC; **Matthew Richard Coop,** Chair Professor at the City University of Hong Kong; **Stefan Müller,** Full Professor of Mathematics at the University of Bonn; **Bernard Salanié,** Professor of Economics at Columbia University; **Roberta Ramponi,** Professor of Experimental Physics at Politecnico dI Milano; **Yasuhiko Arakawa,** Director of the Institute for Nano-Quantum Information Electronics at the University of Tokyo; **Seeram Ramakrishna,** Everest Chair, Cross-Disciplinary Scholar at the National University of Singapore; **Carlo Sirtori,** Professor at the École Normale Supérieure, ENS-THALES Chair; **Bruce Kogut,** Sanford Bernstein Chaired Professor at Columbia Business School.

2024 Highlights

FEBRUARY-MARCH

PARTNER OF THE PARIS-SACLAY SUMMIT

IP Paris served as academic partner of the first Paris-Saclay Summit – Choose Science, held on February 29 and March 1, 2024. The aim of this international event was to promote the instrumental role of science in our society and its importance in overcoming environmental, economic, and societal challenges. Thierry Coulhon was among the speakers at this event.

APRIL

PARTNERSHIP SIGNED WITH POLYTECHNIQUE MONTRÉAL

Institut Polytechnique de Paris and Polytechnique Montreal signed a strategic agreement as part of the 21st Alternate Meeting of the French and Quebec Prime Ministers. This partnership aims to strengthen their collaborative work in research, teaching, innovation, and entrepreneurship in the fields of science, engineering, and management.

MARCH

VISIT FROM THE FRENCH MINISTER FOR THE ARMED FORCES

During a visit to the École Polytechnique, Sébastien Lecornu, then French Minister for the Armed Forces, announced the creation, starting this summer, of a new Ministerial Agency for Artificial Intelligence in Defense (AMIAD). This agency's research center will be based at the École Polytechnique campus. AMIAD, which will have its own classified AI supercomputer by 2025, will be recruiting 300 French engineers and researchers specialized in this field.

JUNE

IP PARIS JOINS UDICE

IP Paris is now one of the thirteen members of the Udice alliance, which promotes French higher education and research institutions in all their projects at the national, European, and international level. By joining the association, IP Paris is helping to increase its diversity and impact.

JULY

ENPC JOINS IP PARIS

A long-standing and privileged partner, the École nationale des ponts et chaussées (ENPC) is now a member institution of IP Paris. With the integration of this sixth engineering school, the Institute is broadening its education and research offering by expanding into key fields such as sustainable cities, civil engineering and construction, as well as environmental, climate, and energy sciences.

SEPTEMBER

AN ILLUMINATING SCIENCE DAY

Close to 160 participants attended the 3rd edition of the IP Paris Science Day, with 20 speakers from various disciplines to discuss the theme of light. The inaugural lecture was delivered by Pierre Agostini, Professor Emeritus at Ohio State University and winner of the 2023 Nobel Prize in Physics.

OCTOBER

INAUGURATION OF THE MECHANICAL HUB

This new 10,000 m² hub houses the research laboratories for solid, fluid and life mechanics of the École Polytechnique and ENSTA Paris. It features state-of-the-art experimental and measurement equipment, as well as prototyping and working spaces tailored to specific needs and requirements.

NOVEMBER

WELCOME DAY: IP PARIS OPENS ITS DOORS TO NEW ARRIVALS

Over 100 new colleagues attended the IP Paris Welcome Day on November 12, 2024. President of IP Paris, Thierry Coulhon, presented some of the Institute's achievements and aims before all the participants took part in a campus challenge.

NOVEMBER

DELEGATION TO BOSTON AND MONTREAL

Christopher Cripps, Vice President for Europe and International, was part of the delegation from the Paris-Saclay metropolitan area, led by its President, Grégoire de Lasteyrie. The goal was to network with high-tech laboratories, innovation centers, cutting-edge R&D hubs, and dynamic startups in Greater Boston and Montreal, and explore potential opportunities for collaboration.

NOVEMBER

THE FRENCH ACADEMY OF SCIENCES HONOURS…

… Sylvie Méléard, Professor of Applied Mathematics at École Polytechnique, who was awarded the Irène Joliot-Curie Prize for French Woman Scientist of the Year.

EDUCATION AND STUDENT LIFE

The Graduate School revises its offering and organization

In 2024, the Graduate School conducted its first review, five years after its creation, and IP Paris approved two major phases in its development: a review of its Master's offering and a restructuring project. In addition to this review of its Master's and Doctoral programs, a self-assessment was submitted to the Hcéres, and an evaluation conducted by its expert committees. The results were very positive, and all of IP Paris's accreditations were renewed.

RESTRUCTURING OF THE GRADUATE SCHOOL FOR BETTER COORDINATION

In January 2024, the IP Paris Board of Directors approved the Graduate School's restructuring project. "*Previously, we had four departments: a Master's program department (for all national Master's degrees), two jointly accredited doctoral studies schools, and an administrative department split into two divisions (HDR and PhD Tracks)*", explains Hanl Hamzeh, who was appointed Director of the Graduate School in 2024 as part of this restructure. *"A single department now oversees the four departments, while the doctoral schools remain independent academic structures."*

The Graduate School comes under the joint authority of the Vice-President for Education and Student Life, and the Vice-President for Research and Innovation, who represent the school in governing bodies. They also work closely with the Joint Teaching and Research Committee. The Graduate School now incorporates the marketing, student exchange (Erasmus), and mental health support services for PhD and Master's students, thus providing them with more coherent and personalized assistance. "*The aim of this reorganization is to further improve coordination between the Master's and doctoral programs from both an administrative and academic standpoint, thereby encouraging students to complete their theses in our laboratories,"* says Hanl Hamzeh. *"The arrival of ENPC and the merger of the two ENSTAs also triggered this process. We will also be establishing a doctoral college to oversee the three doctoral schools, with ENPC being the most recent arrival."*

REDESIGNING THE MASTER'S OFFERING FOR GREATER CLARITY

In December 2024, the IP Paris Board of Directors approved the plans to redesign the Master's offering. "*The goal is to improve the visibility, attractiveness, and clarity of our training offer, both in France and internationally*," adds Hanl Hamzeh.

In practice, this will involve the introduction of a single standard pathway/specialization for each program, as well as a course catalogue organized around majors. Through this process, redundant programs, or those where there is overlap, will gradually be streamlined. a three-year strategic contract will be established to assess whether programs are viable or should be discontinued. The goal is to streamline the offering, with the number of programs being reduced from 118 to 68. At the same time, four new specializations will be added to our offering: Health Engineering, Civil Engineering, Urban Planning and Development, and Environmental, Energy, and Transport Economics. This restructure will help IP Paris to manage its overall Master's offering in a more efficient and strategic way.

A TRAINING OFFER IN RAPID DEVELOPMENT

In 2024, two IP Paris training projects were selected as part of the Skills and Careers for the Future (CMA) call for expressions of interest, launched by France 2030. They are linked to two major societal issues.

MASTER'S DEGREE OFFWIND - OFFSHORE WIND ENERGY

This program is aligned with France's strategy to improve electricity production. Drawing on the complementary skills and expertise of ENSTA and the École nationale des ponts et chaussées, it was developed in partnership with a number of major industrial groups (EDF, Siemens, Technip, etc.). The objective is to deliver a highly scientific program, geared around R&D, innovation, and research, that will prepare students for a doctoral program, in order to address the sector's technical challenges. Complementing the specialist Master's program of ENSTA in Brest, which trains marine renewable energy (MRE) project managers, this OFFWIND Master's program will be launched in September 2025 and aims to graduate 250 students in five years.

DIGITAL HEALTH: THE DATSHEALTH PROGRAM

An innovative, cross-disciplinary program focused on data for sustainable digital health, DaTSHealth was developed by the Bertip University Research School (EUR) and the Engineering for Health (E4H) Interdisciplinary Center of IP Paris. It addresses the healthcare sector's growing challenges amid the digital technology revolution, and is fully aligned with the French government's vision–set out in its France 2030 investment plan–and its target to train 2,000 digital health engineers and specialists within the next five years. Covering Master's Degree years 1 and 2, DaTSHealth is focused on interdisciplinary training across the entire health data value chain.

GROWING APPEAL OF MASTER'S AND PHD TRACKS

Hanl Hamzeh,
Director of the Graduate School

"Master's applications have risen sharply, with a 48% increase between 2023 and 2024, and over 13% more student enrollments. IP Paris continues to raise its profile, and the excellence of its programs is now renowned. The PhD Tracks are also gaining ground. PhD student numbers continue to grow, while elsewhere there has been a general downturn. Our aim is to improve the Master's conversion rate (number of successful applicants enrolled on the program) and further increase the number of students who go on to complete their PhD thesis."

MASTER'S PROGRAMS

- **97% of graduates find a job within 12 months** of graduation, and 90% within 6 months.
- **40% enrol on PhD programs within 12 months** and 37% within 6 months = 4 times more than the national average for science graduates.
- **a quarter of these PhD students continue their thesis at IP Paris.**

PHD TRACKS

A 5-year program combining a Master's Degree (2 years) and a PhD (3 years). This pathway is designed for high-potential students capable of conducting scientific research early on in their academic careers.

- **100% of graduates find a job within 12 months** of graduation, and 93% within 6 months.
- **81% go on to take a PhD within a year** of graduation, and 69% within 6 months. This is nearly eight times higher than the national average in scientific disciplines.
- **Two-thirds of these PhD students continue their research at IP Paris.**

DOCTORAL PROGRAMS: A WORLD-CLASS OFFERING

IP Paris offers a diverse array of doctoral programs via its three doctoral schools (the IP Paris Doctoral School, the Hadamard Doctoral School of Mathematics, and the ENPC City, Transportation, Territories" Doctoral School) and its 45 laboratories. Doctoral pathways are available in over 30 subjects, including physics, biology and chemistry; mechanical and energy engineering; computer science, data, and AI; information and electronic communication; economics, social sciences, and management; human sciences, arts, literature and languages; and mathematics. IP Paris also offers 12 highly successful PhD Track programs. This five-year program par excellence includes a Master's degree with a modular curriculum and an immersive research project conducted in laboratories from the start of the course, followed by a PhD.

Prof. Adriana Tapus,
Director of the IP Paris Doctoral School

"Thesis awards recognize the scientific value and originality of the research conducted by our PhD students. They highlight the excellence of doctoral training at IP Paris, and the quality, diligence, and impact of the work carried out in cutting-edge fields."

1,460 PHD STUDENTS, INCLUDING 18% UNDER AN INDUSTRIAL CONTRACT FOR TRAINING THROUGH RESEARCH (CIFRE)

299 POST-DOCTORAL RESEARCHERS

2nd LEADING FRENCH INSTITUTION IN TERMS OF THE NUMBER OF PHD ENGINEERING STUDENTS (> 20%)

89% OF PHD TRACK STUDENTS GO ON TO WORK ON THEIR THESIS

CPES: PROMOTING GREATER DIVERSITY IN RECRUITMENT

The second cohort of the multidisciplinary undergraduate degree (CPES) in Data Science, Health, and Society began their studies in September 2024 at the Paris-Saclay campus. This highly-selective three-year undergraduate degree was developed by the Académie de Versailles, Université Paris-Saclay, the École Normale Supérieure Paris-Saclay, the Institut Polytechnique de Paris, and HEC Paris. The lectures are delivered by professors from the Lycée International de Palaiseau Paris-Saclay and by faculty members from partner higher education institutions.
This CPES program aims to develop students' expertise in technological, ethical, and societal data issues, while also promoting diversity and equal opportunities, particularly for women and scholarship students. Students will be able to continue their studies on a prestigious and cutting-edge program in the field of data science, whether going on to a Master's degree in France or abroad, or at an engineering or business school.

EXECUTIVE EDUCATION: TRAINING DECISION-MAKERS IN SCIENCE AND TECHNOLOGY

In November 2024, the Executive MSc in Cybersecurity welcomed its third cohort. This Master's program, led in partnership with Orange Cyberdéfense and Accenture, develops the cybersecurity expertise of high-level operational executives, opening up new career prospects. IP Paris also offers continuing education in quantum computing to engineers, scientists, decision-makers, business leaders, and startups, who are facing a major paradigm shift in the use and manipulation of new theories based on the quantum vision of reality for technological applications.
Moreover, the Institute's member schools are developing their own continuing education programs, and all deliver short and/or certified courses for professionals. The École Polytechnique also offers an Executive Master's degree for senior executives. Designed to help executives navigate the challenges of international leadership, while serving as a springboard to the highest levels of corporate management, this program meets the needs of executive committees around the world.

For a rewarding student experience

Student life is an essential part of the overall experience for students throughout their time at IP Paris. It involves giving them a warm welcome, offering a program of activities on campus throughout the year, and supporting their associations.

€150,000 BUDGET ALLOCATED TO STUDENT PROJECTS

103 STUDENT ASSOCIATIONS AND 340 STUDENT CLUBS

7 ALUMNI ASSOCIATIONS, INCLUDING ONE SPECIFICALLY FOR STUDENTS FROM THE IP PARIS GRADUATE SCHOOL

WELCOME TO IP PARIS!

IP Paris's international reputation is growing, and its programs/degrees appeal to the best students from around the world. This comes down to the scientific quality of its offering, but also to the quality of student life on campus. IP Paris deploys a number of initiatives in this field.

Throughout every stage of their induction process, from registration to their arrival on campus, exchange students are supported by our international teams. Initially, online support is provided to help students complete any administrative processes, find accommodation, and introduce them to IP Paris's services. They receive ongoing support upon their arrival to campus, via several mechanisms: the Visa Day at the sub-prefecture office for engineering students taking the competitive exam, and drop-in sessions on the Plateau de Saclay to provide advice and guidance to new arrivals.

A new event has been added to the 2025 induction program, Welcom'IP Paris, where all students can enjoy a fun day together. More specifically, welcome days are organized so that Master's and PhD students can familiarize themselves with the Graduate School and the various services offered on campus (health center, student associations, sports facilities, etc.).

PROJECTS BRINGING STUDENTS TOGETHER AROUND SPORTS, CULTURE, AND DIVERSITY, TO CREATE A SENSE OF BELONGING

Each year, IP Paris supports projects proposed by student associations, because student life is even better when it's shaped by the students themselves. The activities selected through the annual call for projects must involve students from several schools. These activities are extremely varied, ranging from the organization of a Christmas dinner for students staying on campus, concerts by student bands, an eSports challenge, an art day, initiatives promoting women's empowerment in schools, scientific conferences, or even preparations for the French Robotics Cup. Each year, IP Paris supports around 30 projects.

Because excellence should be accessible to all

Launched in 2023, with the support of Orange, the IP Paris Equal Opportunity Center continues to work with young people on breaking down geographic, social, and gender-related barriers to success in the field of science.

"*The creation of the IP Paris Equal Opportunity Center was driven by a desire to pool the schools' resources and work together to promote equal opportunities,*" says Juliette Toumelin, Head of the Equal Opportunities Department at the École Polytechnique and responsible for steering the three pillars[1] of the IP Paris Equal Opportunity Center. *"It's about providing schools with a policy and resources so that they can take ambitious and exemplary action."*

PREVENTING GENDER AND BACKGROUND FROM BEING BARRIERS TO SUCCESS

IP Paris's strategy has a dual objective. Firstly, it supports the national policy of equal opportunities in access to exceptional scientific programs, and subsequent academic success, for every young person in France (regardless of their gender, social background, or geographic location). Secondly, it aims to achieve wider diversity in student recruitment within member schools.

ACTIONS LED IN PARTNERSHIP

To inspire young people as early as possible and encourage them to pursue a career in science, the IP Paris Equal Opportunity Center works with schools to implement a range of initiatives for pupils: meetings with middle school students, tutoring for high school students, preparatory classes as part of an internship, etc. "*These initiatives, led by the Center, are enriched through strategic partnerships with academies, other schools such as HEC Paris or ISAE-Supaero, and associations such as Les Entretiens de l'Excellence or Des Territoires aux Grandes Écoles,*" adds Juliette Toumelin. *In 2024, we have built on this collective momentum and made a positive impact. In 2025, we will continue in this same vein, in particular with the launch of the Observatory for Equal Opportunities for selective programs, in partnership with the Institut des Politiques Publiques and the network of Écoles Normales Supérieures."*

LIGHTING A SPARK, AS EARLY AS POSSIBLE…

Initiated by IP Paris students, together with the Equal Opportunity Center, the Étincelle collective raises awareness about scientific disciplines and careers in engineering among middle school students, through testimonials and fun activities in classrooms.

- **Over 1,000 middle school students attended awareness-raising sessions in 2024**

INSPIRING GIRLS TO LOVE SCIENCE

Every year, at our Women and Science Days, girls from middle school and high school come and meet with IP Paris students and alumnI to discover the diverse range of scientific programs and careers available.

- **250 girls from middle and high schools hosted in 2024**

TUTORING HIGH SCHOOL STUDENTS THROUGHOUT FRANCE

#GENIUS is an online tutoring program run by students from IP Paris, HEC Paris, and Centrale Lyon to provide maths support to high school students from rural areas or disadvantaged neighborhoods.

- **100 students supported in 2024 (4th edition)**

Thierry Coulhon,
President of Institut Polytechnique de Paris

We have set a target that 20% of the total students who are welcomed here are students who are identified for their potential early on, but who, without specific support, would not get the opportunity to access an exceptional program."

1. The key pillars of the Equal Opportunity Center: Inform, inspire, identify; Provide help and support on the path to excellence; Encourage our students' commitment to equal opportunities; Evaluate the impact of our actions; Diversify recruitment and support integrated students.

Taking care of students' health and well-being

Students' health, well-being, and mental health are key to enjoying a well-balanced and rewarding academic career. IP Paris therefore provides several support services tailored to their specific needs.

PREVENTION AND CURE

The IP Paris Health Center, located at the heart of the Palaiseau campus and run by a new manager, offers students various healthcare services to meet their needs (general medicine, physiotherapy, gynecology, and addiction treatment services). In 2024, the Center further expanded its services, recruiting two psychologists to support Graduate School students and work closely with professionals in the schools. In addition to offering medical appointments, the Health Center organizes health and prevention events throughout the year for all IP Paris students (Health and Prevention Days, screening, addiction awareness initiatives, etc.).

FIGHTING AGAINST HARASSMENT, DISCRIMINATION, AND SEXIST AND SEXUAL VIOLENCE (HDVSS)

In line with its action plan to combat HDVSS, IP Paris has set up a support and reporting system that is available to all students. The Graduate School reporting platform will be ready for the start of the 2025 academic year, thus offering the same system as the other member schools. Awareness-raising initiatives are organized each year, including conferences and plays, as well as training for association executives and staff working with students.

PARTNERSHIP WITH THE NIGHTLINE ASSOCIATION

In October 2024, IP Paris signed a partnership with the Nightline association, further expanding its existing services for student mental health. In addition to providing access to the nighttime helpline (8:30 p.m. to 2:30 a.m., in French and English), awareness-raising, prevention, and training activities are regularly organized to help break down taboos around mental health and encourage students to seek help when needed.

Nasrine C.,
Bachelor of Science Student
and President of Nightline Saclay

"Nightline set up an office in Saclay because there are a lot of students at the site, and the association aims to provide local support, as close to where they are as possible. We offer an anonymous, confidential, non-judgmental, and non-directive helpline: we're not here to give advice. People can call us to talk about the latest movie they saw or anything that might be worrying them."

Offering total immersion in the French language and culture

Through its International Center for French Language and Culture (CILCF), IP Paris upholds its commitment to offer international students a unique experience of cultural immersion and outreach, that goes beyond academic life. This center promotes the Institute's international image, diversity and achievements.

LAUNCH OF A NEW MOOC

IP Paris's International Center for French Language and Culture launched its new MOOC "Comprendre la France: Advanced French Language and Culture" in January 2024. This advanced-level online program (C1-C2) on French and Francophone cultures has been very successful since its launch, with over 9,000 students enrolled. It covers six themes: Paris, Cultural Capital; Great Figures in History; Science and Technology in France; Politics and French Institutions; Contemporary Debates in France; and France and French in the World. This latest set of modules follows on from the intermediate level (B1-B2) MOOC "Étudier en France", on which nearly 590,000 students have enrolled as of April 2024, coming 77th in the ranking of the 250 most-viewed online courses since their creation, established two years ago by the MOOC aggregator Class Central.

2nd INTERNATIONAL FRANCOPHONIE DAY

On March 19, 2024, for the second year running, the International Center for French Language and Culture at IP Paris organized the International Francophonie Day, at the École Polytechnique. International students had the opportunity to meet Kamel Daoud, winner of the 2015 Prix Goncourt for Best First Novel and the 2024 Prix Goncourt, and to learn more about how he associates the French language with sensuality and freedom. They also attended a lecture given by Jérôme Perez, astrophysicist, professor at ENSTA Paris, and lecturer-researcher for the Applied Mathematics Unit, on the misinterpretation of the initial H in a physics paper by Joseph-Louis Lagrange, a mathematician from the 18th century. In the latter half of the day, students were invited to workshops where they could talk about works they have read and their projects, based on the theme: "Diversity, Climate, and the French-Speaking World".

"NOUVELLES AVANCÉES" SHORT STORY COMPETITION ABOUT TIME…

On April 25, 2024, the IP Paris International Center for French Language and Culture celebrated the winners of its "Nouvelles Avancées" competition at the Panthéon in Paris. The theme for 2024: "Should we take time seriously? From Aristotle to Einstein." More than 550 short stories were submitted. Fifty-nine finalists were selected across the competition's four categories (University Students, Secondary School Students, Francophones and the General Public), with three winners from each category. Two special prizes were awarded in the "Arts, Sciences and Citizens" and "Scientific Short Story" categories. Thierry Coulhon, Élisabeth Crépon, and Florence Berthout, Mayor of the 5th arrondissement of Paris, were all present at this evening event, hosted by Brass'Art, alongside the winners, as well as the brass ensemble of the Orchestres du Plateau de Saclay (OPS), and the flute ensemble of the Plateau de Saclay.

RESEARCH

The essential role of research in overcoming society's challenges

IP Paris has exceptional academic potential, and is thus well-positioned to take on major societal challenges. It aims to promote high-risk, high-potential research, driven by a thirst for knowledge, and leading to disruptive findings.

"*IP Paris's unique strength is its grounding in mathematics, computer science, physics and mechanical engineering: fundamental sciences that provide a solid foundation for taking on major societal challenges with confidence and ambition. Other key assets include the geographical proximity of our laboratories and our shared vision, which facilitates cooperation and stimulates innovation,*" says Kees van der Beek, Director of Research at École Polytechnique and Vice President for Research at IP Paris until September 2025. *While we aim to further strengthen this foundation through top-level recruitment, we also need to pick our "battles" in a precise and collaborative way, whether in climate, health, defense, or AI.*"

PROVIDING CONCRETE SOLUTIONS

The interdisciplinary centers (CIDs) of IP Paris are working directly on the major scientific, technological, and societal challenges of our time. "*The CIDs play an essential role because they have a diverse range of skills, which helps drive projects forward, while broadening their scope and impact to provide concrete solutions,*" adds Kees van der Beek. This work relies on strong partnerships with stakeholders from the socio-economic sphere. These stakeholders also work with the Technology for Change Chair, which is supported by Accenture, and the Complex Systems Architecture Chair, which has partnered with major groups in the defense industry (Dassault Aviation, Naval Group, KNDS, and Dassault Systèmes). In 2024, this Chair held its first Science Day focusing on AI, robotics, system safety and security, as well as models and simulations.

2,250 RESEARCHERS

1,460 PHD STUDENTS

5,317 PUBLICATIONS

35 NEW PATENTS AND 9 NEW SOFTWARE APPLICATIONS

6 CNRS BRONZE MEDALS (recognizing the early work of researchers specialized in their field)

BROADENING FIELDS OF RESEARCH

With the integration of the École nationale des ponts et chaussées (ENPC) in 2024, IP Paris has expanded its research offering. The Institute is thus entering into crucial fields such as sustainable cities, civil engineering and construction, and is significantly ramping up its research work in environmental, climate, and energy sciences. Similarly, the merger of ENSTA Paris and ENSTA Bretagne has created an entity with a broader scope of expertise, offering new disciplines within the Institute, including maritime engineering.

BEING EXEMPLARY

To ensure the long-term success and expansion of its mission, IP Paris seeks out informed opinions from external sources. The International Scientific Advisory Board (ISAB) informs the Institute's decision-making on the major avenues for research. Furthermore, along with the evaluation of its activities by the Hcéres (High Council for the Evaluation of Research and Higher Education), every five years, IP Paris conducts an objective review of the progress of its scientific programs and makes future projections. "*We want to be held up as an example to the world,*" says Kees van der Beek, "*and to achieve this, we must move forward together with, first and foremost, our various partners, and with the national research organizations, which are closely involved in our activities.*"

Our departments and research units

10 Teaching and Research Departments

- Biology
- Chemistry and Chemical Engineering
- Economics
- Information, Communication and Electronics
- Computer Science, Data and Artificial Intelligence
- Mathematics
- Physics
- Mechanical Science and Engineering
- Humanities, Art, Literature and Languages
- Social Sciences and Management

45 research units, including 29 joint research units (UMRs) with national research organizations

BIOLOGY

BIOC Structural Biology of the Cell Laboratory
UMR 7654, CNRS, École Polytechnique

CHEMISTRY

IPVF Photovoltaic Institute of Ile-de-France
UMR 9006, CNRS, École Polytechnique, ENSCP, IPVF SAS

LCM Molecular Chemistry Laboratory
UMR 9168, CNRS, École Polytechnique

LSO Organic Synthesis Laboratory
UMR 7652, CNRS, ENSTA, École Polytechnique

UCP Chemistry and Chemical Engineering Laboratory
UP, ENSTA

MATHEMATICS

CERMICS Research Center in Mathematics and Scientific Computing
ENPC, Inria, Gustave Eiffel

CMAP Center for Applied Mathematics
UMR 7641, CNRS, Inria, École Polytechnique

CMLS Laurent Schwartz Mathematics Center
UMR 7640, CNRS, École Polytechnique

LMS Solid Mechanics Laboratory
UMR 7649, CNRS, École Polytechnique

POEMS Wave Propagation: Mathematical Study and Simulation
UMR 7231, CNRS, ENSTA

UMA Applied Mathematics Department
UP, ENSTA

MECHANICAL ENGINEERING

CEREA Atmospheric Environment Teaching and Research Center
ENPC, EDF R&D

HM&CO Laboratory of Hydrology Meteorology & Complexity
ENPC

IMSIA Institute of Mechanical Sciences and Industrial Application
UMR 9219, EDF, ENSTA, CNRS, CEA

IRDL Dupuy De Lôme Research Institute
UMR 6027, CNRS, ENSTA, Université de Bretagne Sud, Université de Bretagne Occidentale, École nationale d'ingénieurs de Brest, member of the Carnot "ARTS" Institute

LadHyX Hydrodynamics Laboratory
UMR 7646, CNRS, École Polytechnique

LEESU Water, Environment and Urban Systems Laboratory
ENPC, UPEC

LHSV Saint-Venant Hydraulics Laboratory
ENPC, EDF R&D, CEREMA

LMD Dynamic Meterology Laboratory
UMR 8539, CNRS, École Polytechnique, ENS/ PSL- SU

LMI Laboratory of Mechanics and Interfaces
ENSTA

NAVIER Laboratory of Mechanics and Physics of Materials, Structures and Geomaterials
UMR 8205, ENPC, Université Gustave Eiffel, CNRS

PHYSICS

CPHT Center for Theoretical Physics
UMR 7644, CNRS, École Polytechnique

LLR Leprince-Ringuet Laboratory
UMR 7638, CNRS, École Polytechnique

LOA Applied Optics Laboratory
UMR 7639, CNRS, École Polytechnique, ENSTA

LOB Optics and Biosciences Laboratory
UMR 7645, CNRS, École Polytechnique, Inserm

LPICM Laboratory of Physics of Interfaces and Thin Films
UMR 7647, CNRS, École Polytechnique

LPP Plasma Physics Laboratory
UMR 7648, CNRS, Observatoire de Paris-PSL, Université Paris-Saclay, École Polytechnique, SU

LSI Irradiated Solids Laboratory
UMR 7642, CEA (DRF), CNRS, École Polytechnique

LULI Intense Lasers Laboratory
UMR 7605, CEA (DAM), CNRS, SU, École Polytechnique

OMEGA Center for Microelectronics
UMR 3605, CNRS, École Polytechnique

PMC Laboratory of Condensed Matter for Physics
UMR 7643, CNRS, École Polytechnique

INFORMATION AND COMMUNICATION SCIENCE

Lab-STICC Research Laboratory in Information and Communication Science and Technology
UMR 6285, CNRS, IMT Atlantique, ENSTA, Université de Bretagne Occidentale, Université Bretagne Sud, École nationale d'ingénieurs de Brest

LIGM Gaspard Monge Computer Science Laboratory
UMR 8049, ENPC, Université Gustave Eiffel, CNRS

LIX École Polytechnique Computer Science Laboratory
UMR 7161, CNRS, École Polytechnique, Inria

LTCI Information Processing and Communications Laboratory
UP, Télécom Paris

SAMOVAR Laboratory of Distributed Services, Architectures, Modeling, Validation and Administration of Networks
UP, Télécom SudParis

U2IS Computer Science and Systems Engineering Laboratory
ENSTA

ECONOMIC AND SOCIAL SCIENCES

CIRED International Environment and Development Research Center
UMR 8568, ENPC, AgroParisTech, EHESS, CIRAD, CNRS

CREST Center for Research in Economics and Statistics
UMR 9194, CNRS, École Polytechnique, Genes, ENSAE Paris

FoAP Training and Professional Learning
ENSTA, AgroSup Dijon, CNAM Paris

I3 Interdisciplinary Institute of Innovation
UMR 9217, CNRS, Mines Paris, PSL, Télécom Paris, École Polytechnique

LATTS Technologies, Territories and Societies Laboratory
UMR 8134, CNRS, ENPC, Université Gustave Eiffel

LINX École Polytechnique Interdisciplinary Laboratory for Humanities and Social Sciences
UP, École Polytechnique

LVMT City, Mobility and Transportation Laboratory
UP, ENPC, Université Gustave Eiffel

UEA Applied Economics Unit
UP, ENSTA

Championing research through National Research Organizations (ONRs)

National research organizations (ONRs) play a key role in the scientific strategy of the Institut Polytechnique de Paris. As a result of these close ties, particularly with CNRS and Inria, these organizations are highly involved in the majority of the Institute's laboratories (29 in 45 UMRs) and in the management of major projects funded by the Investments for the Future Program and France 2030, coordinated by the Institut Polytechnique de Paris.

CNRS: A LONG-STANDING PARTNERSHIP

In 2021, IP Paris and the CNRS reaffirmed their strategic partnership (2020-2025) to advance fundamental research, drive innovation, and increase their international reach. Their interdisciplinary collaborative work covers diverse fields: cybersecurity, AI, quantum computing, nanotechnology, health, energy, and climate. The École Polytechnique and the CNRS run the Apollon national research facility, with lasers of unprecedented power (up to 10 PW), which are used to explore previously inaccessible physical phenomena, particularly in the fields of plasma physics and quantum electrodynamics.

INRIA: A KEY PLAYER IN DIGITAL LEADERSHIP

IP Paris and Inria have joined forces to drive scientific excellence in the digital sector. The Inria Center at the Institut Polytechnique leads research in various fields, including AI, security, health, and quantum technologies, while supporting high-risk research and the launch of start-ups through the Inria Startup Studio and the X-Novation Center.

Jean-Philippe Lagrange,
Director of the Inria Saclay Center

"Inria helps drive the strategy of Institut Polytechnique de Paris. Together, we are working on several themes – AI, health and digital technology, defense and security, and quantum technology – with a view to addressing societal challenges. We must establish strong links between the two entities and develop a collective and shared approach to be as effective as possible. We're delighted about two events that took place in 2024: the launch of the IP³ University Innovation Cluster and the Hi! PARIS AI Cluster. 2025 got off to a great start with the "AI, Science, and Society" conference, organized in preparation for the AI Action Summit. Over the coming months, we'll be focusing on two key topics: cybersecurity and AI, and reviewing our strategic positioning in these fields."

CEA, INSERM AND ONERA: INTERDISCIPLINARY PARTNERSHIPS

IP Paris has entered into partnerships with the CEA (energy, cybersecurity and quantum computing), Inserm (life sciences and health), and Onera (aeronautics, space and defense), demonstrating the diverse range and wealth of synergies developed with National Research Organizations (ONRs). They reflect the Institute's capacity to develop interdisciplinary synergies and take on major scientific challenges.

IFREMER: A STRATEGIC PARTNER IN MARINE SCIENCES

As a leading national ocean institute, Ifremer provides IP Paris with unique expertise in the observation, preservation, and sustainable use of marine environments. This partnership, embodied by the Interdisciplinary Center for Seas and Oceans (CIMO), is opening up new possibilities in marine engineering, biotechnology, and climate.

CNRS: 22 JOINT RESEARCH UNITS (UMRS) WITH IP PARIS SCHOOLS

INRIA: 18 JOINT RESEARCH PROJECT TEAMS

INSERM: 1 UMR (LABORATORY OF OPTICS AND BIOSCIENCES - LOB), AFFILIATED WITH THE E4H CENTER

CEA: 3 UMRS (LULI, LSI, IMSIA) AFFILIATED WITH THE E4H CENTER

84 RESEARCH CONTRACTS SIGNED WITH COMPANIES IN 2024

Creating a world-class AI cluster

The consortium led by IP Paris, HEC Paris, and Inria, and joined by the CNRS and the University of Technology of Troyes, won the AI Cluster call for projects launched by France 2030 in May 2024. The goal is to make France a global leader in artificial intelligence.

Supported by the Hi! PARIS Interdisciplinary Center for Artificial Intelligence and Data Analysis, the project has been awarded €70 million to create one of the first world-leading AI research, training and innovation clusters for the benefit of French society. This funding will be used to ramp up the international expansion of Hi! PARIS, increase its impact in research, training, and innovation, and thus consolidate France's position as a global leader in artificial intelligence. The project is also being supported by L'Oréal, Capgemini, TotalEnergies, VINCI, and Schneider Electric.

FOCUSING ON INTERDISCIPLINARY STUDIES IN RESEARCH

The program is structured around seven key areas: Mathematical Foundations of AI, AI for Society, Generative AI and Foundation Models, Trusted, Frugal and Interpretable AI, AI for Science and Engineering, AI in Cyber-physical Systems and Robotics, and AI for the Economy.

BECOMING A WORLD-LEADER IN AI TRAINING

Hi! PARIS aims to attract international talent, while also helping to make French companies more competitive. To achieve this, it plans to increase the number of AI graduates, create new Master's and MScT programs, and develop differentiating undergraduate programs as well as continuing education courses.

INNOVATION: CONSOLIDATING TEAMS, INFRASTRUCTURE, AND PROGRAMS

Hi! PARIS aims to double the size of its research engineering teams and develop computing and data infrastructure for AI. It will enhance existing incubation programs by incorporating a specific AI component geared toward creating unicorns. At the same time, it will incorporate more AI training into the international deep-tech accelerator program, to provide better support for new French champions.

SIX CHALLENGES FOR HI! PARIS

- **Produce cutting-edge research,** by drawing on the expertise of the six IP Paris schools, HEC Paris, Inria, the CNRS, and the University of Technology of Troyes.
- **Help make businesses in France more competitive,** through lifelong learning.
- **Attract the best talent in France,** by offering a portfolio of highly attractive programs with international reach, from Bachelor's degrees to doctoral studies.
- **Contribute to the creation of 100 unicorns (start-ups valued at over $1 billion) by 2030,** by establishing a highly-effective entrepreneurial and innovation ecosystem.
- **Diversify the talent pool and increase women's representation in the sector,** by raising awareness, as well as identifying, and attracting talent from high school age onwards.
- **Play an active role in interactions** with other national and European AI clusters.

SOCIAL LINKS: PROMOTING INCLUSION

Determined to advance knowledge and encourage the responsible and beneficial use of AI for the common good, Hi! PARIS strives to promote inclusion. The center is thus focusing its efforts on diversifying its workforce and supporting talented students, both male and female, starting in high school with its Hi! School program.

Interdisciplinary Centers at the heart of societal issues

Institut Polytechnique de Paris believes that an interdisciplinary approach is key to surmounting the major challenges of our time. Its interdisciplinary centers (CIDs) are made up of scientists and partners from diverse backgrounds with a shared conviction: only by combining their knowledge, methods, and views can they develop innovative solutions to the most urgent technological, economic, and societal challenges. Created to address strategic issues for France and Europe, the CIDs draw on high-level fundamental research and promote a novel and hybrid approach that combines academic expertise and industrial know-how. With both public and private financing, they foster ties between the research community and economic stakeholders.

ENERGY4CLIMATE (E4C)

Established in 2019, the Energy4Climate center works with more than 30 laboratories in four strategic areas: reducing greenhouse gas emissions, improving energy efficiency, deploying renewable energy solutions and proposing relevant energy policy. Supported by major groups such as BNP Paribas, TotalEnergies, and the Ifker Climate Fund, it has adopted a unique research and innovation approach to support the energy and climate transition.

- **7 full-scale demonstrators to test the energy solutions of tomorrow under real-world conditions.**
- **Over 80 scientific publications in 5 years.**

A solar PV test bench was installed in Tahiti to study the performance and development of six solar panel technologies under real-world conditions.

Research Actions, review and future roadmap

At the general meeting on February 9, 2024, and the strategic foresight retreat in April, E4C's Research Actions presented a review of its projects and defined a roadmap for the next five years, outlining the key focus areas for future research: greenhouse gas capture and sequestration, assessment and forecasting of energy production and demand, the electricity grid's vulnerability to climate change, and economic and financial options.

Key themes of the EFC Fall School

The E4C Fall School, held from October 7 to 11, 2024, was attended by 26 PhD students and young researchers from 14 different countries. Discussions were geared around various key themes, including forecasting, optimization, shared mobility and smart grids, with a focus on innovative solutions for future energy systems.

CableSolar: promising test results

The CableSolar project is exploring the potential of airborne photovoltaic systems. In June 2024, tests were conducted at the SIRTA atmospheric research observatory, using a helium balloon fitted with flexible solar panels. Valuable data was collected during these tests, conducted with the support of the EDF Sustainable Energy Chair for the École Polytechnique and the E4C center, and compared to data collected on the ground.

HI! PARIS

Hi! PARIS CLUSTER 2030
PROJECT AT A GLANCE

Officially designated as an AI Cluster in 2024, Hi! PARIS has been awarded €70 million over five years by the France 2030 program to increase its global reach and consolidate France's position as a leader in artificial intelligence. This public funding over five years will be used to build on the momentum started by its founding sponsors (L'Oréal, Capgemini, TotalEnergies, Kering, Rexel, VINCI and Schneider Electric), thus requiring the collective involvement of the IP Paris laboratories.

Founded in 2020 by HEC Paris and IP Paris, together with Inria, the Hi! PARIS center combines teaching, research, and innovation capabilities, from fundamental subjects to artificial intelligence and data science applications, to advance science, the economy, and society.

- **250 affiliated researchers, 36% of whom are international.**
- **Over 430 articles included in leading publications and conferences on AI.**

Leveraging AI to benefit society

On June 4 and 5, ENSTA hosted the Hi! PARIS symposium at its Paris site, a biennial event focusing on advances in artificial intelligence. The theme for 2024 was "Robotics, AI, and Society". More than 20 plenary sessions were held. Renowned researchers, AI experts, and institutional stakeholders came together to explore the technological and ethical challenges of developing AI to benefit society, in various fields ranging from social robotics to health, agriculture, and defense.

Over 350 students take part in the Hi!ckathon

The fifth edition of the Hi!ckathon, organized by Hi! PARIS, was held from November 29 to December 2. For this challenge, students from IP Paris, HEC Paris, and other universities worked on a complex AI problem with high stakes for businesses and society. Participants were coached by data scientists and consultants from donor companies. The jury, composed of academics, data science experts, and representatives from the donor companies of Hi! Paris, selected four winning teams based on their technical excellence, scientific approach, interdisciplinarity, and the best sales pitch. a special award was given to the public's favourite team.

INTERDISCIPLINARY CENTER FOR DEFENSE AND SECURITY (CIEDS)

For this second edition of the CIEDS call for projects, more than 320 participants (manufacturers, researchers, defense contractors, innovation stakeholders) came together to address major defense and security issues.

Founded in 2021, the CIEDS's mission is to promote research, innovation, and training projects at IP Paris to meet the needs of the Ministry of the Armed Forces and the defense industry. Its work is supported by the Defense Innovation Agency (AID).

- **135 faculty members/ researchers.**
- **60 ongoing studies with AID.**

Drones front and center in the Distributed Intelligence Challenge

On October 15, the CIEDS launched the 2024 edition of its Distributed Intelligence Challenge, with the theme "Control a swarm of drones for rescue missions!" Supported by the Defense Innovation Agency, this competition is open to students from IP Paris and ISAE-Supaero.

A first for the ASC Chair

On March 22, 2024, the first scientific day of the Complex Systems Architecture Chair was held at the École Polytechnique, giving stakeholders the opportunity to get to know each other. 75 participants were on hand to listen to the speakers from AID, DGA, the four industrial partners, and the four schools involved.

Call for projects, a new wave

The application process for the Wave 2025 call for projects opened on October 3, 2024. Aimed at researchers and faculty members from IP Paris's laboratories, either working alone or in collaboration with academic or industrial partners, it funds ambitious research projects that meet the technological needs of the defence and security sector, such as the creation of quantum sensors for detection and secure communication purposes, or the development of innovative materials capable of withstanding extreme conditions.

ENGINEERING FOR HEALTH (E4H)

Founded in July 2022, the Engineering for Health Center's mission is to promote collaboration among the IP Paris research community, in the fields of life sciences, fundamental sciences, and engineering, by adopting a highly interdisciplinary approach to address major societal challenges around health and well-being. Through its work, the center aims to drive technology transfer and innovation, by facilitating multi-sectoral collaborative projects between researchers, industry professionals, clinicians, and entrepreneurs.

The 2024 edition of the E4H Annual Forum, attended by over 200 participants each year, placed the emphasis on discussion between industrial manufacturers, start-ups, and institutional innovation stakeholders, in the Partners' Village.

Scholarships and grants for teaching and research

In 2024, the E4H Center awarded 27 study, teaching and research scholarships, totaling over €765,000. E4H scholarships are designed for IP Paris students and researchers, as well as clinicians looking to move into the biomedical engineering sector.

(1) Call for projects: Skills and Careers for the Future (ANR-23-CMAS-0033).

DaTSHealth: a new digital health education program

Led by Nesma Houmani (Samovar, Télécom SudParis) and financed by the ANR (French National Research Agency) under the France 2030 plan[1], the DaTSHealth project has developed initiatives to raise awareness among the general public, as well as a new training program on digital health. With a focus on understanding and leveraging health data, this course has been incorporated into the Master's Year 2 Biomedical Engineering program of IP Paris.

Mecanodiag: Cellular biomechanics for in vitro diagnosis

In 2024, Mr. Serge Schoen, a generous donor to the E4H center, opted to support the Mecanodiag project, led jointly by Abdul Barakat (LadHyx, École Polytechnique) and Elsa Angelini (LTCI, Télécom Paris). The project aims to develop novel in vitro diagnostic solutions for disorders involving alterations in the mechanical properties of cells, such as cancers or laminopathies.

MATERIALS FOR SOCIETY (M4S)

The École Polytechnique has set up an experimental laboratory within its irradiated solids laboratory (LSI) to unravel the mysteries around superconductivity and compete with the world's best laboratories. It is led by associate professor Gaël Grissonnanche, who is developing a program focused on the behavior of materials under extreme conditions.

Created in 2023, M4S's mission is to help meet society's major challenges in materials science. It draws on the expertise of physics, chemistry, mechanics, and applied mathematics departments to work on three major areas of application: the ecological transition, mobility and construction, and technologies of the future.

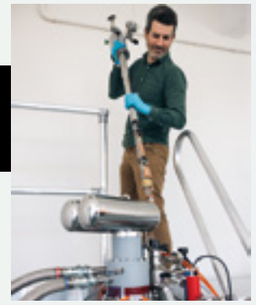
- **100 faculty members/ researchers.**
- **8 instrumental platforms.**

PhD in Advanced Materials

In 2024, IP Paris launched a PhD Track in Advanced Materials. It takes a cross-disciplinary approach combining condensed matter physics, solid-state chemistry, and mechanics. The design of materials with innovative functions is driving technological progress in broad-ranging fields, including transport technologies, data processing, renewable energies, and natural resource management.

Funding for two doctoral grants

Two thesis projects have received funding in 2024: "Chemo-mechanical modeling of solid-state batteries" by Yury Nevenchannyy, at the École Polytechnique's Solid Mechanics Laboratory (LMS), and "From Models to Materials: Green Functions Beyond the Many-Body Perturbation Theory" by≈Muhammed Gunes, at its Irradiated Solids Laboratory (LSI).



Quantum dots: a new research field

Clément Livache joined the Solid State Chemistry group at the École Polytechnique's Condensed Matter Physics (PMC) laboratory in 2023. He is developing a research project on quantum dot optoelectronics, which is fully aligned with the center's fields of research.

Meeting between Olivier Fournout, member of SPIRAL and associate professor at Télécom Paris and the Interdisciplinary Institute of Innovation (I3), and author Nicolas Girard-Michelotti, as part of the 'Binôme' collection of the Les Sens des Mots theater company.

SPIRAL – INTERDISCIPLINARY CENTER LINKING SCIENCE, PEOPLE, IMAGINATION, RESEARCH AND ART

Created in 2023, the SPIRAL interdisciplinary center has a mission to bring together the arts and science as part of unique ecosystem, with a remit to invent and design desirable worlds, whether real or virtual. It is also building bridges with the cultural sector, through academic and industrial partnerships.

- **100 faculty members.**
- **9 skills hubs dedicated to use and technology.**

Two winning France 2030 projects

The SPIRAL center is associated with two winning projects of the France 2030 program: ICON (Digital Online Cultural Immersion), selected as part of the "Immersive Culture and Metaverse" call for projects, and the "Museum Metaverse" project, selected by "Digitization of Heritage and Architecture" program.

Creation of the MScT Extended Cinematography program

The École Polytechnique and ENS Louis-Lumière have signed a partnership to launch a new Master of Science & Technology program in "Extended Cinematography" (XCin), starting in September 2025. This work-study Master's Degree program will train image specialists to design the tools of tomorrow for virtual audiovisual and film production, thus mixing real-life and virtual scenes on film sets in real time.

Fourth edition of the Useful Fictions summer school - "Becoming body"

In August 2024, this weeklong event was held for around twenty participants, supervised by researcher-artist pairs, exploring the many forms of the modern body: the impeded, augmented, social, and digital aspects. Through interdisciplinary laboratories, participants designed temporary works (art installations, performances, interactive workshops) to provoke sensitive and creative debate around these issues. These artistic works were exhibited to the public for a weekend at the Centre Wallonie-Bruxelles in Paris.

AND IN 2025? CIMO, A NEW RESEARCH CENTER DEDICATED TO THE SEAS AND OCEANS

Launched in January 2025 by IP Paris and Ifremer, in partnership with the CNRS and the Defense Innovation Agency (AID), this new center marks a turning point for collaborative research in maritime engineering. Bringing together researchers, as well as academic and industry partners, CIMO is fully aligned with French initiatives to reduce the ecological footprint of shipping operations and improve environmental monitoring of marine environments.

- **120 researchers**
- **22 laboratories**
- **4 scientific and technological platforms**

A center dedicated to marine applications

CIMO's interdisciplinary work covers three main areas: maritime engineering for sustainable ships; ocean observation for society; and resource management, coastal development, and the environment. It draws on a range of expertise to address these issues, ranging from mechanical sciences to underwater robotics, naval architecture, marine energy, information technology, and maritime cybersecurity. New academic partnerships are currently being developed, notably with the École Navale, IMT Atlantique, and Shom. In September 2025, Institut Polytechnique de Paris is launching OFFWIND, a new Master's program in floating wind power systems, for a cohort of around fifty students.

Bringing businesses and academia closer together

Interview with Sylvaine Neveu, Vice President of IP Paris Corporate Partnerships. Her mission: to build strong and lasting relationships between the IP Paris ecosystem and the socio-economic sector, through a mutually-beneficial approach that promotes innovation, sovereignty, and major transitions.

Q. Why is it important for IP Paris and businesses to work together?

Sylvaine Neveu. IP Paris and businesses share the same ambition: harnessing science and innovation to support sovereignty and boost the competitiveness of France and Europe. Sustainable growth requires innovation, and it must be rapid, tangible, and useful. Through our regular interactions, academic research is transformed into real-world applications, while helping businesses to meet their challenges. And this is relevant to our entire economic structure: major corporations, mid-sized companies, SMEs, and start-ups, both in France and worldwide. This approach builds on an already solid foundation: each IP Paris school has long-standing, close ties with businesses, whether through chairs, joint projects, or strong alumnI networks. We also aim to develop local synergies, particularly with R&D stakeholders based at the Plateau de Saclay.

Q. What types of collaborative work does this involve?

S.N. Our collaborative projects are structured around three key pillars: training, research, and innovation. We prepare our students to understand the realities of business and make informed choices, and enhance our programs by aligning them with new needs, as well as delivering continuing education programs (Executive Education) for managers and executives. IP Paris and its schools promote a virtuous continuum of fundamental and applied research: we transform business challenges into research topics, through CIFRE (industrial contract for training through research) theses, joint laboratories, or chairs. Finally, our laboratories produce innovative solutions through our innovation programs, to which companies can contribute their use cases, data, and field expertise.

OVER 300 PARTNER COMPANIES

70% CAC 40 COMPANIES

Q. Why is sponsorship so important?

S.N. Through sponsorship, companies get the chance to maximize social impact and economic competitiveness by supporting our strategic initiatives: chairs, equal opportunity programs, and support for our interdisciplinary centers (CIDs). These centers are an asset to IP Paris: they combine excellence in each discipline with an interdisciplinary approach. Because innovation often happens when different worlds come together. Still relatively rare in academia, this approach fosters more natural connections with companies because it addresses their real-life challenges directly. In terms of sponsorship, fortunately, we can rely on the expertise of the teams from the École Polytechnique Foundation, whose partnership and fundraising knowledge is a major asset for the Institute.

AND IN THE FUTURE?

- The IP Paris Connexion program, set for launch in 2025, aims to facilitate access to the IP Paris ecosystem for companies: specific monitoring of scientific work, contacts within our teams and schools to make it easier to identify priority themes, etc. Through this program, IP Paris will promote the development of new collaborative projects, backed by an ecosystem of excellence.

INNOVATION

Innovation Lab: closer to user needs

Launched in February 2024[1], the Innovation Lab supports innovative projects by IP Paris students, doctoral candidates, and researchers. What makes it special? A new, user-centric approach.

"*Researchers have many innovative ideas and may be working on a proof of concept without knowing how to quickly assess whether this idea meets a need. This is where the Innovation Lab comes in. It helps researchers to develop a user-centric approach, by working with them to create an initial proof of concept grounded in reality, and by supporting the initial user testing process. This targeted work accelerates the project positioning phase*," says Delphine Marcillac, Head of the Innovation Lab. The Lab works closely and in complement with the schools' value-creation units and other incubators. "*We work with stakeholders in the innovation ecosystem to drive projects forward and help them take shape more quickly, thus maximizing their impact on society.*"

PRÉMATURATION CALL FOR PROJECTS: IDENTIFYING AND SUPPORTING INNOVATION

The Innovation Lab is responsible for the Prématuration call for projects, launched by IP Paris six years ago to identify and support innovative projects from the laboratories of its member schools. "*This call for projects is now well-known among researchers and the value-creation units. The number of applications and winners is growing every year. We now select around fifteen projects per year,*" adds Delphine Marcillac. "*The winners receive combined support from both the schools' value-creation units and the IP Paris Innovation Lab.*"

BRINGING IDEAS TO LIFE

Many projects supported through the Prématuration call for projects have resulted in the launch of start-ups offering innovative technologies. For example, Amphitrite was developed within the École Polytechnique incubator and now provides solutions to help cargo ships make the right decisions at sea based on reliable ocean data. Similarly, the École Polytechnique incubator helped the start-up RunBlind to market a universal guidance system based on augmented audio, designed to help visually impaired people, and, more generally, all users to navigate via sound. The start-up Plasana Medical also received

support from the Prématuration call for projects and SATT Paris-Saclay, and now offers a medical device to effectively treat chronic wounds with cold plasma jets, improving patients' quality of life. These are just a few examples that demonstrate the diverse range of innovations supported by the Innovation Lab and how they meet real social needs.

IP PARIS PRÉMATURATION CALL FOR PROJECTS IN FIGURES

6 EDITIONS (7th launched in 2025)

112 PROJECT APPLICATIONS

59 PROJECTS FINANCED

43 PROJECTS COMPLETED

€4.1 MILLION INVESTED

1. The Innovation Lab has been awarded government funding, including: ANR-22- EXES-0013 and the IP³ University Innovation Cluster from the France 2030 program.

Bringing tomorrow's success stories to life

IP Paris has three start-up incubators: at the heart of the Saclay campus, close to the research laboratories, on the Évry campus, and at Station F, the largest incubator in the world. These incubators support projects throughout every stage of their development.

X-NOVATION CENTER

A COMPREHENSIVE AND CUSTOMIZED SUPPORT SYSTEM

Opened in 2015, X-Novation Center is the École Polytechnique's entrepreneurship and innovation hub. Through its X-UP incubator, it supports the creation of all innovative start-up projects, focusing mainly on technology and hardware, and prioritizing four main areas of expertise: greentech, healthtech (including biotech), industries of the future (mobility, Industry 4.0, energy, new space, AI, defense, etc.), and edtech. The programs offered are tailored to each start-up, depending on its stage of development. The X-Novation Center has an X-FAB prototyping space with state-of-the-art equipment and an E4H LivingLab for bioengineering projects.

- **More than 145 start-ups supported** since its creation in 2015, including Amphitrite (optimizing shipping routes with AI) and EX9 (autonomous vehicles).
- **80% start-up survival rate after 5 years.**

NOT FORGETTING ENPC AND ENSAE…

- Thanks to the Ponts Alumni association and the Fondation des Ponts, ENCP business founders can now join Station F, the world's largest start-up incubator. 97 start-ups have joined since 2017.

IMT STARTER

SUPPORTING DIGITAL STARTUPS DURING THE LAUNCH PHASE

IMT Starter is the incubator for Télécom SudParis, Institut Mines-Télécom Business School, and ENSIIE. Founded in 1999, it facilitates networking within its ecosystem (business angels, Bpifrance, investment funds, lawyers, engineering students or school managers, school laboratories, start-ups supported by the incubator, etc.). Entrepreneurs benefit from strategic coaching as well as themed group workshops. They can access the IMT Digital honor loan fund with zero-interest.

- **Over 250 start-ups supported by the incubator,** representing **over 3,000 jobs** created and hundreds of millions of euros in revenue and funds raised, including Recommerce (refurbishing of mobile phones) and Morfo (reforestation using drones).
- **Partner of around twenty international incubators and accelerators.**

TÉLÉCOM PARIS INCUBATOR

LEADING THE WAY FOR DIGITAL AND DEEPTECH START-UPS

A pioneer in innovative project support, the Télécom Paris incubator has helped launch over 500 start-ups since its creation in 1999. Through its close ties with the Institut Polytechnique de Paris and its innovative ecosystem, the incubator is uniquely positioned to support digital projects, particularly deep tech start-ups specializing in advanced technologies developed in laboratories. It offers a comprehensive program: pre-incubation for projects led by students and researchers, incubation for registered start-ups, and office leasing for post-incubation projects.

- **Over 500 businesses launched since 1999** including Exotec (autonomous mobile robots) and Scalinx (semiconductor design).
- **More than 6,000 jobs** created and over €1.2 billion in funding raised since 2015.

IP³ University Innovation Cluster: driving innovation in deeptech

2024 saw the launch of the IP³ University Innovation Cluster (PUI), with a clear objective: contribute to developing deeptech entrepreneurship and to meeting the French government's target to create 500 deeptech startups per year through research.

Led by the Institut Polytechnique de Paris, CNRS, SATT Paris-Saclay, Inria, and five regional partners (Pôle Systematic Paris-Region, Cap Digital, Medicen Paris-Region, EPA Paris-Saclay, and the Île-de-France Region), the IP³ cluster has two main priorities: accelerate the transfer of innovative technologies from laboratories to the business world, and double the number of deeptech startups spun out of research. The consortium can draw on its major strengths to achieve this goal: a history of collaboration, internationally-recognized academic excellence, powerful networks of entrepreneurs and investors, strong ties with industry, major value-creation and support programs for entrepreneurs, and €5.7 million in funding from France 2030, which will be used to ramp up its operations.

A 360° STRATEGY FOR THE INNOVATION CYCLE

To achieve its goal, the IP³ is taking action across the entire innovation cycle: awareness, identification, pre-maturation, maturation, and transfer. To this end, it has defined several priority projects, managed by a dedicated leader. SATT Paris-Saclay is therefore

IN FIGURES

32 LABORATORIES AND 2,000 RESEARCHERS AND PHD STUDENTS (WITHIN THE IP³ UNIVERSITY INNOVATION CLUSTER SCOPE)

55 TEACHING AND RESEARCH CHAIRS

14 NEXT40 SCALE-UPS

15% FROM THE FRENCHTECH 2030 PROGRAM

responsible for the first project: raising awareness of deeptech entrepreneurship among students and doctoral candidates. Some of the initiatives implemented include: the organization of INNOV'NIGHT by IP Paris and the provision of specific training: Training was delivered to 600 students and 25 doctoral candidates by SATT Paris-Saclay, IP Paris, and Inria. IP Paris is responsible for leading the other projects. The Institute will manage the deployment of a consolidated tool for sharing information on partnership research and intellectual property, as well as the creation of a unit to identify and support deeptech projects. It has set a target for 12 startups to come out of the laboratories per year by 2027. The IP Paris Prématuration call for projects is an excellent detection tool for achieving this goal, and the Innovation Lab is a key service to support project leaders, in particular, by applying a design-thinking model. The fourth project involves technology transfer. The aim is to support ten projects per year by building relationships with new manufacturers and increasing collaboration with current partners on technologies that meet their needs. a platform will be set up on the IP Paris website listing the schools' technological offerings. The final cross-disciplinary project, led by CNRS, Inria, SATT Paris-Saclay, and the Île-de-France region, will implement a coordinated multi-channel communication strategy to promote the entire innovation chain.

From idea to start-up: promoting business creation

One of the University Innovation Cluster's key priorities is to raise awareness of innovation and entrepreneurship. The aim is to inspire students to join a start-up and create a breeding ground for ambitious student start-ups aligned with market needs.

INNOV'NIGHT: A SUCCESSFUL ALL-NIGHTER

In April 2024, 112 students took part in the second edition of INNOV'NIGHT, a 20% increase on the previous year. For the first time, all IP Paris schools and training programs were represented. The evening kicked off with a conference on the theme "When is the right time to start a business?". Students then worked in teams to design future solutions in one of five key areas: energy and environmental solutions, defense and security, health and well-being, sustainable cities and mobility, and industry 4.0 and digital transformation. Throughout the night, students were given support from experienced coaches, culminating in the presentation of 22 projects. The four winning teams, with some made up of students from different IP Paris schools and partners, received an award. In the morning, two winning teams were selected by the jury, with each receiving a €4,000 prize: a tool for connecting patients with medical transport providers and a platform for managing eczema and visualizing symptoms. a solution to better monitor factory productivity was also singled out for special praise, as well as an original idea to repurpose items or products in the home that would otherwise be thrown away.

A GUIDE FOR STUDENT ENTREPRENEURS

- IP Paris has created a guide for students who want to deepen their knowledge and access support with their business projects. This practical guide informs student of the comprehensive and diverse range of development assistance and support services available. It also lists all the contact details for each school's entrepreneurship advisors with whom they can discuss innovation and entrepreneurship.

DEEPTECH TOUR: FROM LAB TO START-UP!

In December 2024, IP Paris hosted the third edition of the Deeptech Tour. Organized by Bpifrance with the support of France 2030, this event aims to connect start-ups, entrepreneurs, researchers, doctoral candidates, and students, and to raise awareness of disruptive innovation. This new edition focused on highlighting the actions taken to bring together regional stakeholders, members of university innovation hubs, around deeptech. The event provided an opportunity for members of the University Innovation Cluster to speak to all of the Institute's PhD students, as it was held in conjunction with their welcome day. The selected format involved presenting project leaders and start-ups from the research laboratories to illustrate the breadth of the themes covered: sport and performance, the ocean and the environment, health and well-being, vocational training and careers, digital technologies and telecommunications, and logistics. As a result, the pairs of project leaders and mentors from IP Paris incubators got the chance to talk about their experiences, career paths, and the benefits of being supported by and operating within the IP Paris ecosystem. The aim of this IP³ event was to plant seeds in the minds of these students and show them that deeptech entrepreneurship is possible!

Start-ups take center stage

Start-ups from IP Paris were in the spotlight at major events in innovation and entrepreneurship. Their aim was to present their solutions to today's challenges and network with investors, civil society actors, policy makers, researchers, and students.

FIRST EDITION OF THE IP PARIS DEMO DAY: A RESOUNDING SUCCESS

On February 8, 2024, over 350 people visited Station F, the iconic innovation hub, for the first IP Paris Demo Day. Investors, partners, and major players in the FrenchTech ecosystem all came to meet around forty startups from IP Paris's three incubators *(see page 31)*. The program included a series of conferences on strategic issues relating to entrepreneurship and innovation within IP Paris–with themes like deep tech, AI, Industry 4.0, and quantum computing–and showcased flagship projects led by alumnI of member schools, including Exotec, Ynsect, DNA Script, Quandela, and Mistral AI.

PARIS-SACLAY SPRING: IP PARIS OUT IN FORCE

Sixteen IP Paris start-ups attended the 2024 edition of Paris-Saclay Spring, the annual innovation and entrepreneurship event of Europe's leading deeptech cluster, held on May 16 and 17 at the HEC Paris campus. All of these businesses were created within one of IP Paris's three incubators, and/or were founded by alumnI from one of the member schools of the Institut Polytechnique de Paris. They are operating in one of the five strategic sectors selected for this edition: cleantech, foodtech, health-biotech, digital-tech, and industry and services. Three of IP Paris's six interdisciplinary centers were also present: CIEDS (Interdisciplinary Center for Defense and Security), E4H (Engineering for Health), and Hi! PARIS (Interdisciplinary Center for Artificial Intelligence and Data Analysis).

VIVATECHNOLOGY: THE PLACE TO BE

As every year, the VivaTech trade show in Paris was attended by Europe's most promising start-ups. From May 22 to 25, 2024, twenty-eight of IP Paris's leading start-ups were in attendance, most of which were supported by one of the Institute's three incubators, with the others having been founded by alumnI of the Institute's member schools. The sectors represented included: AI, climate, mobility, deeptech, future societies, business, the creator economy, gaming, and sports. The trade show was also an opportunity, in the presence of Roland Lescure, then Minister Delegate for Industry and Energy, to highlight the economic impact of start-ups in the IP Paris ecosystem.

FOURTEEN IP PARIS START-UPS IN THE NEXT40 PROGRAM

- The 2024 edition of Next40 includes fourteen IP Paris startups. The Next40 program was launched by the French government in 2019 to support and promote 40 fledgling French companies. Of the 33 unicorns (startups valued at over $1 billion) in France, around ten started out at IP Paris, including Deezer, Exotec, Mistral AI, PayFit, Pennylane, and Vestiaire Collective.

INTERNATIONAL

Making IP Paris a key player in global transformation

Interview with Christopher Cripps, appointed as Vice President, IP Paris Europe and International, in June 2024, with the Institute undergoing a major transformation.

Q. In 2024, a major collective project was carried out to define IP Paris's 2025-2030 international strategy: what are its aims and objectives?

Christopher Cripps. When I arrived at IP Paris in 2024, we held intense internal discussions, particularly with the international directors of each school, to define our 2030 strategic plan while drawing on their international experience and the long-standing relationships they've developed. Approved in March 2025, this plan aims to uphold the mission statement entrusted to Thierry Coulhon: building a leading, world-class institute. We aim to consolidate IP Paris's international position as a hub of scientific and technological excellence, promote sustainable progress in respect of planetary boundaries, build a future where knowledge and innovation transcend borders, and assert our scientific and technological sovereignty on the global stage. We plan to establish a network of around fifteen strategic partnerships with universities, research centers, and international organizations. Research has become our driving force: we want to maximize IP Paris's scientific impact around the world by co-financing projects. In this same vein, we will promote the excellence and attractiveness of our programs, particularly through our Graduate School. Lastly, we will capitalize on partnerships with French companies to develop an international network that increases the employability of our graduates.

Q. In your view, what were the landmark events in 2024?

C. C. Several events that were organized at the end of the year have raised IP Paris's profile on the international stage. These include the EuroTech Partners Day, which we hosted at the Palaiseau campus: over 100 IP Paris researchers are now working on EuroTech projects (mathematics, AI, quantum computing, computer science, and hydrogen). At the Falling Walls Science Summit in Berlin, Thierry Coulhon led a fascinating roundtable discussion with business leaders and former ministers on Europe's approach to deeptech. At the Genius Minds event in London, he held talks with around a dozen leading British experts in AI. This meeting then led to a presentation at the Harvard Data Science Initiative Winter Workshop, which laid the groundwork for the 'Entente CordIAle Paris-Saclay – Oxford-Cambridge AI Initiative', signed in July 2025.

Q. So, does the future look bright?

C. C. 2025 has already got off to a great start, with IP Paris holding the international scientific conference ahead of the AI Action Summit, attended by numerous heads of state and government, as well as representatives of civil society, in Paris. We also signed a partnership with the University of São Paulo and took part in the 18th edition of the APAIE Conference in New Delhi. We must now implement our strategic plan by expanding and strengthening our existing relationships. We will continue our work on increasing the Institute's visibility. With Harvard University, we are going to co-publish a special issue of the *Harvard Data Science Review*, a great honor for IP Paris. And we're just getting started.

OVER 220 INTERNATIONAL PARTNERSHIPS IN RESEARCH AND MOBILITY

OUR SCHOOLS

INSTITUT POLYTECHNIQUE DE PARIS

École Polytechnique: Excellence to serve the public interest

The École Polytechnique is a world-class higher education and research institution. It is a military academy under the aegis of the French Ministry of the Armed Forces. Highly internationalized, the École Polytechnique combines top-level research, teaching, and innovation at the cutting-edge of science and technology. Through its training, it fosters a culture of excellence with a strong emphasis on science, rooted in a great humanist tradition.

3,845 STUDENTS, INCLUDING 45% INTERNATIONAL STUDENTS

529 RESEARCHERS AND FACULTY MEMBERS

23 LABORATORIES

200 START-UPS SUPPORTED SINCE 2015

800 START-UPS FOUNDED OR MANAGED BY ALUMNI SINCE 2010

25% OF NEXT40 STARTUPS COME FROM ÉCOLE POLYTECHNIQUE

A school committed to the ecological transition and the defense of technological sovereignty

In 2024, the École Polytechnique remained the standard-bearer for scientific and national excellence, with an unwavering commitment to provide its students with the fundamental skills to meet the challenges of their time. Once again, the strength of École Polytechnique's educational offering and research came to the fore, as demonstrated by the recognition and numerous accolades from its academic partners and economic stakeholders, both in the public and private spheres.
The French Ministry of the Armed Forces chose the École Polytechnique campus as the base for the Ministerial Agency for Artificial Intelligence in Defense, reinforcing this drive for development and reflecting the school's efforts to promote the technological sovereignty of France and Europe.
Other highlights in 2024 include the strength of our business partnerships, the success of our X-UP incubator–as demonstrated by the Booster prize–and the award of the DD&RS (Sustainable Development and Social Responsibility) label, recognizing the school's commitment to environmental issues over the last few years.

Stronger relationships with IP Paris's partners

Several key milestones were reached in 2024 with regard to our alliance with the other schools of Institut Polytechnique de Paris. The Mechanical Hub was established, giving tangible shape to the mechanical community at ENSTA and the École Polytechnique.
Our shared success with HEC in the France 2030 AI Cluster call for projects has paved the way for a new phase in the development of Hi! PARIS, and represents an incredible opportunity for all our teaching and research departments to make optimal use of AI.
The support services, within the General Secretariat and the Teaching and Research Department, have implemented measures to improve the quality and efficiency of the working environment.

Serving science

The third fundraising campaign of the École Polytechnique Foundation will raise essential resources to attract and support the very best students, conduct bold research projects, and modernize the campus. "Serving Science" is the apt slogan of this fundraising campaign and will be the school's watchword for all its actions in 2025 and beyond. In 2025, the school will continue to apply science to meet the greatest challenge of our time: the fight against climate change, as well as to promote a model of society that uses knowledge as a tool for empowerment, in particular through its campaign to support equal opportunities, which reaches more than 25,000 young people every year.

Laura Chaubard
Director General of École Polytechnique

"The École Polytechnique strives daily to assert its position as a leading technological and scientific institution, alongside its closest partners, the schools of the Institut Polytechnique de Paris. This collective force will help us achieve our goals."

KEY FIGURES

AMIAD RESEARCH CENTER LOCATED AT ÉCOLE POLYTECHNIQUE

During his second visit to the École Polytechnique in two years, Sébastien Lecornu, then French Minister for the Armed Forces, announced the creation, in summer 2024, of a new Ministerial Agency for Artificial Intelligence in Defense (AMIAD), with a research hub that will be located on the École Polytechnique campus.

LAUNCH OF THE "SERVING SCIENCE" CAMPAIGN

The École Polytechnique Foundation (FX) is launching its third fundraising campaign in November 2024 with a strong commitment to "serving science". It aims to raise €200 million over the next five years by reaching out to individuals and businesses.

GO-AHEAD FOR THE RENOV'X PROJECT

Nearly fifty years after moving to the Plateau de Saclay, south of Paris, the École Polytechnique has launched a project to renovate its central building with the appointment of a prime contractor. Due to start in the second quarter of 2026 and scheduled for completion in 2029, the works will involve reorganizing 24,000m² of space.

INSTITUT POLYTECHNIQUE DE PARIS | ENSTA

Driving major progress at ENSTA

Founded in 1741, ENSTA is France's oldest engineering school. Since its foundation, it has played a key role in engineering for major industrial and technical sovereignty sectors.

OVER 2,200 STUDENTS, INCLUDING 36% SCHOLARSHIP STUDENTS

18% OF STUDENTS ON PAID CONTRACTS

11 LABORATORIES

27 RESEARCH CHAIRS

2 CAMPUSES IN FRANCE AND 2 OFFSHORE CAMPUSES

Promoting national sovereignty

A leading engineering school under the aegis of the French Ministry of the Armed Forces, ENSTA is heir to a long line of scientific and technical training programs that set the benchmark in high-tech industries in France and Europe.
A leading academic player in the sovereignty sectors, its mission is to train high-level engineers and conduct top-level research in order to design innovative solutions for a safe and sustainable society.

Merger for improved synergy

Following an ambitious multi-year collaborative project, the focus throughout 2024 was the merger between the two ENSTA schools in Paris and Brest, which officially took place on January 1, 2025. Within the Institut Polytechnique de Paris, ENSTA can now draw on all the strengths and expertise in training and research of its two campuses, to meet strategic challenges in major sovereignty sectors, particularly defense, security, and the maritime industry.
Renowned for its multidisciplinary scientific excellence, this ENSTA merger has led to enhanced competencies and synergies, supported by a vast network of academic, government, and industrial partners.

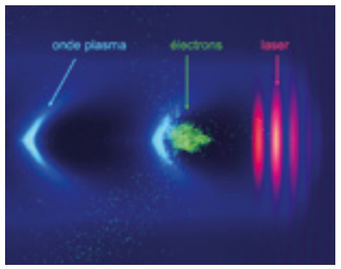
Full speed ahead

In the coming months, ENSTA will be unveiling its new, expanded training offering for the 2026 academic year, aiming to transmit the academic and scientific excellence of all its training and research units to its students and their future employers.
Upon officially taking office as the new Director General of ENSTA, Estelle Iacona emphasized her commitment to building on the momentum from the merger, serving the community and working closely with the socio-economic sector, as well as other stakeholders in the Île-de-France and Brittany regions.

Estelle Iacona
Director General of ENSTA

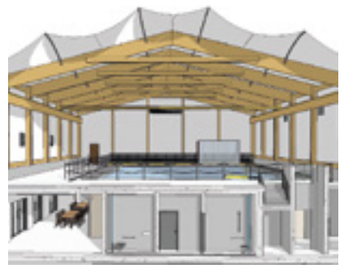
"With its two dynamic and complementary campuses, ENSTA is proud of its role in advancing academic and scientific excellence at the Institut Polytechnique de Paris. We work alongside the Institute's other schools to achieve our shared ambition: to make engineering a springboard for innovation to build a safer, more sustainable, and resilient society for the 21st century."

KEY FIGURES



LAPLACE PROJECT: AT THE VANGUARD OF LASER-PLASMA TECHNOLOGY

Development of the laser-plasma acceleration center continued in 2024 with the preparatory work to install a new laser. The center will ultimately be equipped with two new cutting-edge experimental platforms: Laplace HE at High Energy and Laplace HC with a high repetition rate.



MAJOR TESTING FACILITY FOR MARINE ROBOTICS

A new, unique facility is being constructed on the Brest campus. This testing facility will comprise a 240 m², six-meter-deep tank with a drone aviary above to test autonomous marine and underwater exploration systems.

OFFWIND SELECTED BY FRANCE 2030

The OFFWIND floating wind turbine Master's project developed by the Institut Polytechnique de Paris won the call for expressions of interest launched by France 2030 as part of its Skills and Careers for the Future program. Led by ENSTA and ENPC, the project was awarded a grant of €5.7 million.

ENPC: at the forefront of ecological, scientific, and societal transitions

Founded in 1747, the École nationale des ponts et chaussées (ENPC) develops prestigious training and research programs aligned with the challenges of ecological transition and social responsibility.

1,598 STUDENTS (INCLUDING 983 ON ENGINEERING PROGRAMS AND 218 PHD STUDENTS ENROLLED AT THE SCHOOL)

31% WOMEN

516 RESEARCHERS AND FACULTY MEMBERS

12 LABORATORIES SERVING AT LEAST 11 OF THE 17 SUSTAINABLE DEVELOPMENT GOALS

2 INCUBATORS: DESCARTES DÉVELOPPEMENT & INNOVATION AND STATION F

€11.5 M IN PARTNERSHIP RESEARCH WITH BUSINESSES, PUBLIC BODIES, AND LOCAL AUTHORITIES

Committed to the environmental and social transition

Graduate engineers from the École nationale des ponts et chaussées (engineers from the Corps of Bridges, Water, and Forests, but mainly civil engineers for bridges and roads) play a key role in sustainable development, and are involved in decisive and socially-responsible work to advance ecological, energy, and digital transitions. Their longstanding ties to the national territory are a strong marker of their identity. This work to serve the common good is deeply ingrained in the School's history and reflects its contribution to economic and social development. This commitment was acknowledged when it came in third place in the latest Les Echos Start/Change Now ranking, which recognizes the schools most committed to the ecological and social transition.

2024, a pivotal year

In 2024, the integration of ENPC into IP Paris marked a major turning point, providing major leverage on the international stage. The School benefits from greater attractiveness within IP Paris, having consolidated fields of research, launched new research projects, and contributed to calls for projects Another key feature of 2024 was the development and gradual implementation of projects stemming from the Ponts Ambition 2030 transformation plan, launched in September 2023. These include redefining the scientific foundation of the engineering programs, restructuring the progressive method of teaching, opening up the initial training program to new talent pools, developing the Co-Innovation Lab, its research and innovation center, improving its graduate programs and better coordinating them with engineering programs, as well as developing the Executive Education offering.

A school with close social ties

The School continues to build relations with communities and the business world, supported by its global reach (62 exchange agreements, including 45 agreements for double-degree programs worldwide). New cooperation agreements are currently being established across IP Paris. In terms of corporate relations, the School has renewed or signed framework agreements with major corporations in 2024: VINCI, Saint-Gobain, Bouygues and Engie, for example. a diverse range of scientific outreach initiatives were implemented throughout the year (Fête de la Science, social media, exhibitions, workshops, publications, etc.) in various venues (schools, media libraries, Cité des Sciences, community centers, etc.).

Anthony Briant
Director, École nationale des ponts et chaussées

"Our integration into IP Paris is a landmark step in the ENPC's long history, and makes perfect sense, based on our shared values, particularly in terms of the ecological transition and national sovereignty."

KEY FIGURES

ENPC JOINS IP PARIS

A long-standing and privileged partner of IP Paris, the École nationale des ponts et chaussées become a member institution of IP Paris in July 2024, under new statutes. This integration will expand and strengthen the Institute's training offering in essential sectors.

PHOTO EXHIBITION TO INSPIRE FUTURE CAREERS

In November 2024, ENPC and the Fondation des Ponts opened the exhibition "***Un cliché contre des clichés: ingénieures, un métier au féminin pluriel***" at the Cité des Sciences et de l'Industrie in Paris and the School. The goal was to inspire young women to embark on a career in engineering, while promoting diversity in engineering professions.

IMAGINING THE FUTURE OF SOCIO-ECOLOGICAL TRANSFORMATION

To mark the publication of the 4th issue of its journal entitled "***Transitions, Au pied du mur – Imaginer les futurs socio-écologiques***", the school organized a science day on November 28. Around twenty researchers and professors reflected on the research conducted by the school's laboratories on this topic.

INSTITUT POLYTECHNIQUE DE PARIS | ENSAE

ENSAE Paris: making sense of data

Founded in 1942, ENSAE Paris is a leading engineering school renowned for its scientific excellence in applied mathematics (statistics, machine learning and econometrics), market finance, actuarial science, and economics. Supported by the Center for Research in Economics and Statistics (CREST), it is also a member of the ENSAE-ENSAI Group.

740 STUDENTS

691 ENGINEERING STUDENTS

85 FACULTY MEMBERS/ RESEARCHERS

94 PHD STUDENTS

9 START-UPS LAUNCHED BY STUDENTS OR ENSAE ALUMNI

A school in rapid development

ENSAE Paris is a leading engineering school that has transformed itself while remaining at the forefront of academic research, thanks to the energy and influence of its internationally renowned ENSAE-CREST faculty members. With expertise ranging from statistics to sociology, finance, actuarial science, and economics, the School offers a unique multidisciplinary approach. At the end of 2023, ENSAE Paris launched its development plan. By the start of the 2024-2025 academic year, it had seen a 13% increase in engineering students.

Recognized excellence

This increase in enrollment reflects the greater attractiveness of its training offering, which is borne out by the national rankings. Its engineering program climbed to 7th place in the *Figaro Étudiant* ranking in 2024. Its specialist Master's programs in actuarial science, data science, and quantitative methods for economic decision-making came 1st in the Eduniversal rankings, with the specialist Master's program in finance and risk management ranking in 4th place. Following an audit at the end of 2024 by the Commission des titres d'ingénieur, the accreditation of ENSAE Paris was renewed for five years, confirming the academic excellence of its offering and its potential, and the recognition of its scientific expertise by employers.

AI a central priority

The school's expertise is highly relevant to the major challenges facing our society, and this has been confirmed in recent years, particularly with the use of mathematical modeling, machine learning, and data science to support business strategies and modernize public services. ENSAE Paris will continue its development during this period of ample challenges and opportunities: disruptive technological breakthroughs, the omnipresence of data, ethical issues, major societal transformations, etc. Its main aim for 2025 is firmly focused on the application of AI in all fields, with new training modules, particularly in the third year of the engineering program (Information theory for machine learning, Generative AI for insurance and actuarial studies, Artificial intelligence for business decisions) and more projects and data challenges based on real business data.

Maylis Coupet
Director of ENSAE Paris

"A leader in statistics and machine learning (AI), with a strong reputation in finance and actuarial science, ENSAE Paris is also set apart by its economics and quantitative sociology programs. These subjects offer critical insights into the modern world, essential for informed decision-making with a major impact."

KEY FIGURES

NEW EXECUTIVE MANAGEMENT

2024 was marked by the appointment of Maylis Coupet as Director of ENSAE Paris, succeeding Pierre Biscourp. Fabien Perez was also appointed as the new Head of Graduate Studies.

LAUNCH OF THE CARE CHAIR

Allianz France, the Fondation du Risque, and ENSAE Paris have collectively agreed to create a Chair of Insurability of Emerging Risks (CARE). The goal is to apply their combined expertise to provide new and forward-looking insights into emerging risks, based on scientific and insurance models.

IMMERSIVE EXPERIENCE AT THE EUROTECH PARTNER DAYS

The International Relations Department designed an immersive experience to present ENSAE Paris and CREST at the EuroTech Partner Days. Featuring interactive activities with faculty members, PhD students, and members of staff, this Data Escape Game explores opportunities for student discussion and collaboration.

Télécom Paris: digital technology to benefit society

Founded in 1878, Télécom Paris is a member school of the Institut Mines-Télécom (IMT), which strives to advance digital technologies and science, from the first telecommunications to artificial intelligence, while leading the major transitions of our time.

OVER 1,730 STUDENTS IN 2025/26

3 LABORATORIES

160 PERMANENT FACULTY MEMBERS

10 TEACHING AND RESEARCH CHAIRS

7 JOINT LABORATORIES WITH COMPANIES

OVER 500 START-UPS SUPPORTED BY ITS INCUBATOR

Working across the entire digital sector

Télécom Paris, a leading digital engineering school, is renowned for the excellence of its training programs, its close links with businesses, and its international approach. The school's core mission is to shape, envision, and design models, technologies, and digital solutions that serve a society and economy mindful of people and the environment. Télécom Paris is a leading player across the entire digital realm. Its strategy is organized around several major challenges: ensuring enhanced employability in all sectors by delivering exceptional, innovative, and interdisciplinary training programs; supporting major technological, digital, and environmental transitions; and fostering closer ties with the socio-economic sector through its strong presence in the start-up ecosystem (particularly via its incubators in Paris and Station F).

A unique innovation ecosystem

Another major challenge is developing top-level research in digital science and technology, with three major laboratories. Its research laboratory, the LTCI, is recognized by the Hcéres as a department of excellence in digital sciences, with an exceptional international reputation and sustained activity linked to the socio-economic sphere. Its I3 laboratory (UMR CNRS) is differentiated by its high-quality work and cutting-edge research on societal issues. CREST (UMR CNRS – X – Genes, with which Télécom Paris is affiliated) excels in leading research in economics and statistics.

Supporting an ethical and sustainable digital world

Télécom Paris partners with other schools and companies to promote an ethical and sustainable digital environment. The school offers double-degrees with Sciences Po and AgroParisTech, and is taking part in a call for expressions of interest in Skills and Careers of the Future with the latter. It is also developing a joint AI laboratory with BNP Paribas to address major challenges around security and digital trust.

Patrick Olivier
Director of Télécom Paris

"For almost 150 years, Télécom Paris has been advancing technologies and digital science, from the first telecommunications to artificial intelligence, and leading the major transitions of our time."

KEY FIGURES

TRAINING WELL-INFORMED AND CIVIC-MINDED ENGINEERS

In 2024, Télécom Paris introduced a unique core module to the first year curriculum in order to train engineers who play a key role in societal transformations. This initiative reflects the school's ambition to use digital technology as a tool for society that benefits the environment and people.

LTCI RESEARCH DAY

The Télécom Paris Information Processing and Communications Laboratory (LTCI) held its Research Day on November 21, 2024. This event demonstrated the rich wealth and diversity of the projects conducted by the laboratory, while further promoting collaboration between researchers, faculty members, and external stakeholders.

25 YEARS OF THE TÉLÉCOM PARIS INCUBATOR

On December 17, 2024, Télécom Paris celebrated the 25th anniversary of its incubator with an unforgettable event. The results are inspiring: 500 startups supported, including iconic success stories (Exotec, Bib Batteries, Comin, Entroview, Hiboo, Scalinx, etc.), and an ecosystem where training, research, and entrepreneurship converge and enhance each other.

INSTITUT POLYTECHNIQUE DE PARIS | TELECOM SudParis

Télécom SudParis: driving responsible digital tech

Founded in 1979, Télécom SudParis specializes in sovereign digital technology. It trains innovative engineers in networks, cybersecurity, AI, and data, while inspiring cutting-edge research and a strong entrepreneurial spirit.

OVER 1,000 STUDENTS OF OVER 60 NATIONALITIES

OVER 250 A-RANKED PUBLICATIONS PRODUCED PER YEAR

OVER 300 PARTNER COMPANIES

OVER 250 START-UPS SUPPORTED VIA IMT STARTER

8 EXPERIMENTATION PLATFORMS

Building a responsible, sovereign and inclusive digital economy

Supported by the Institut Mines-Télécom and a founding member of the Institut Polytechnique de Paris, Télécom SudParis has a clear vision: building a responsible, sovereign, and inclusive digital economy. Based on the Évry-Courcouronnes and Palaiseau campuses, the school has over 1,000 students supervised by 97 faculty members, while drawing on eight world-class research and innovation networks.

A strong development strategy

The 2024 roadmap set out three priorities: adapting training to disruptive technologies, maximizing the socio-economic impact of research, and raising the school's international profile. On the academic front, the Networks specialization has become Computer Science & Networks, and now offers apprenticeships in cybersecurity, information systems, and artificial intelligence: a direct response to business needs and the Skills and Careers for the Future call for projects. These changes are reflected in the rankings: Télécom SudParis rose eight places to 14th in the *Le Figaro Étudiant* ranking for 2025, while IP Paris came 46th worldwide in the QS 2025 ranking, further boosting the school's international reputation.

Recognized excellence

Entrepreneurship remains a key strength: 24 startups, supported by the IMT Starter incubator, were awarded €890,000 in honor loans in 2024, demonstrating the school's value-creation strategy. In terms of outreach, the school organized the third edition of the 404 CTF (Capture-The-Flag) cybersecurity challenge, together with DGSE and the HackademINT student club, with 3,800 sports fans taking part. This challenge is the first CTF in France and is testament to Télécom SudParis's central role in the French cyber ecosystem.

François Dellacherie
Director of Télécom SudParis

"As a member school of IP Paris, we will continue to increase the percentage of our students who move into scientific research. Our goal is for between 15 and 20% of our engineering students to complete their thesis."

KEY FIGURES

FREQUENCY CONTROL FOR THE PARIS 2024 OLYMPIC GAMES

France's National Frequency Agency (ANFR) teamed up with Telecom SudParis to train 70 student engineers in frequency control for the Paris 2024 Olympic Games. These students, along with those from other higher education institutions, assisted ANFR staff in their work.

A NEW ALUMNI STRATEGY

The historic alumnI association, Télécom & Management AlumnI (T&MA), is being replaced by Télécom SudParis AlumnI to strengthen and forge connections among the alumnI network, under a new governance model.

ENGINEERING APPRENTICESHIP PROGRAMS

In September 2024, Télécom SudParis expanded its network engineering apprenticeship program to include subjects such as cybersecurity, information systems, and artificial intelligence.

Rankings

A leading international institute, IP Paris has been recognized in highly-regarded university rankings, positioning itself as one of the most influential French scientific and technological education and research institutions in France and worldwide.

QuacquarelI Symonds (QS)

WORLD UNIVERSITY RANKINGS 2026

Since its inclusion in the QS World University Rankings (WUR), the Institut Polytechnique de Paris is now ranked among the Top 50 institutions worldwide. In the WUR for 2026, IP Paris was ranked:

41st WORLDWIDE **2nd** IN FRANCE

EMPLOYER REPUTATION

14th WORLDWIDE **1st** IN FRANCE

Employer reputation is based on a QS survey of 99,000 professionals. Respondents are asked to select up to ten institutions in their country and 30 international institutions that they rate as excellent in terms of graduate recruitment.

WORLD UNIVERSITY RANKINGS BY SUBJECT 2025

- 32nd worldwide and 1st in France in Statistics and Operational Research
- 37th worldwide and 4th in France in Mathematics
- 38th worldwide and 4th in France in Natural Sciences
- 40th worldwide and 1st in France in Engineering and Technology
- 48th worldwide and 4th in France in Physics and Astronomy
- 67th worldwide and 2nd in France in Engineering/Electrical and Electronics
- 70th worldwide and 3rd in France in Computer Science and Information Systems
- 80th worldwide and 6th in France in Economics & Econometrics
- 86th worldwide and 2nd in France in Engineering and Mechanics
- 151st - 200th worldwide and 5th in France in Engineering & Chemistry
- 151st - 200th worldwide and 5th in France in Environmental Sciences
- 151st - 200th worldwide and 8th in France in Materials Sciences

Times Higher Education (THE)

WORLD UNIVERSITY RANKINGS 2025

71st WORLDWIDE **3rd** IN FRANCE

IMPACT RANKINGS 2025

Sustainable Development Goal 9 "Industry, Innovation and Infrastructure"

19th WORLDWIDE **1st** IN FRANCE

MOST INTERNATIONAL UNIVERSITIES IN THE WORLD 2025

42nd WORLDWIDE **1st** IN FRANCE

WORLD REPUTATION RANKINGS 2025

93rd WORLDWIDE **4th** IN FRANCE

WORLD UNIVERSITY RANKINGS BY SUBJECT 2025

- 101st - 125th worldwide in Business and Economics (2nd in France)
- 42nd worldwide in Computer Science (2nd in France)
- 96th worldwide in Engineering (2nd in France)
- 126-150e worldwide in Life Sciences (4th in France)
- 27th worldwide in Physical Sciences (2nd in France)

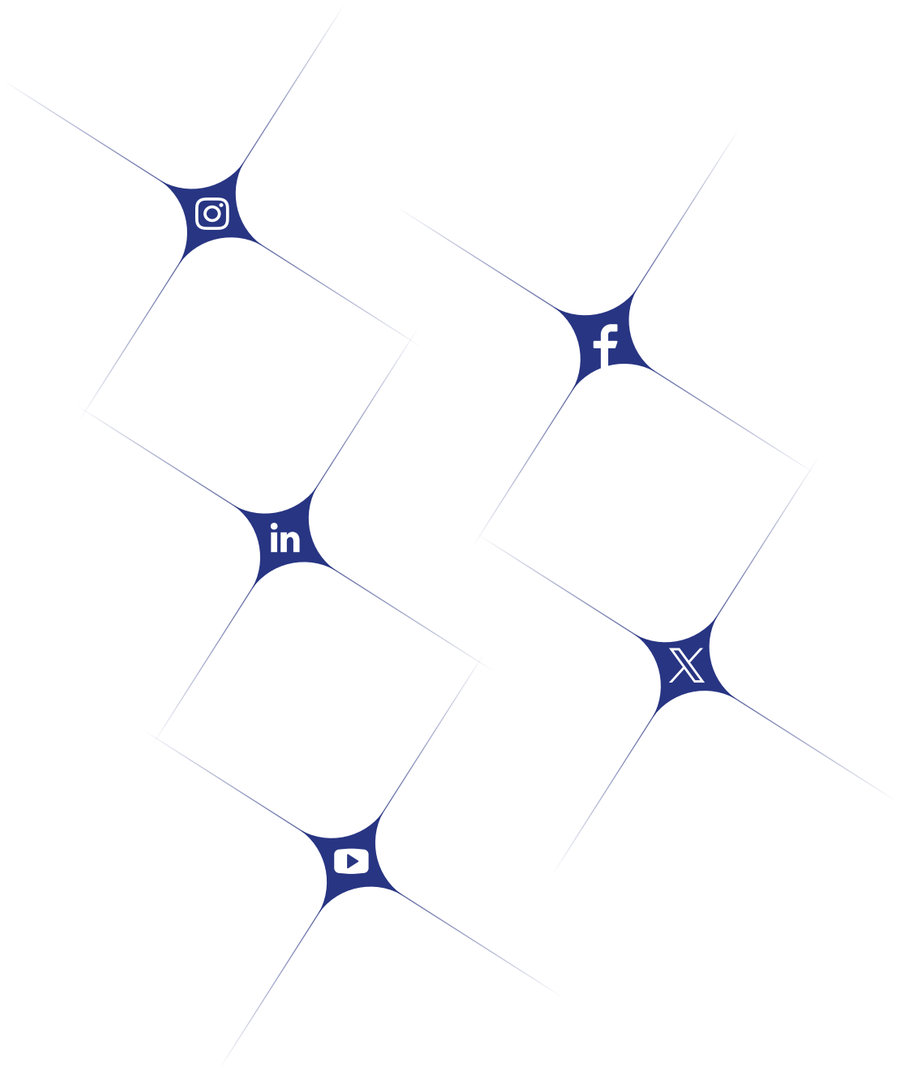
Shanghai

ACADEMIC RANKINGS OF WORLD UNIVERSITIES 2025

224th WORLDWIDE **9th** IN FRANCE

GLOBAL RANKINGS OF ACADEMIC SUBJECTS 2025

- **Top 40** worldwide in Physics
- **Top 75** worldwide in Atmospheric Science, Mathematics and Statistics



www.ip-paris.fr

Publication
Communications Department, Institut Polytechnique de Paris
October 2025

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Design, editing and production
Tambour Battant

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Photo credits
Jérémy Barande; Vincent Blocquaux; Benjamin Charlery; Michel Desnoues; Dylan Dubois; Philippe Fretault; Corinne Hameau; Bruno Lamy; Institut Polytechnique de Paris; Iris Shoot by Kin; Laboratoire d'Architecture de Bretagne; LOA; Lara Priolet; Provence Grand Large; Johann Rafanoharana; StudioFredh;

INSTITUT POLYTECHNIQUE DE PARIS

ÉCOLE POLYTECHNIQUE

ENSTA

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