



INSTITUT  
POLYTECHNIQUE  
DE PARIS

# *Institute of Science and Technology*

Serving the major challenges of the 21<sup>st</sup> century

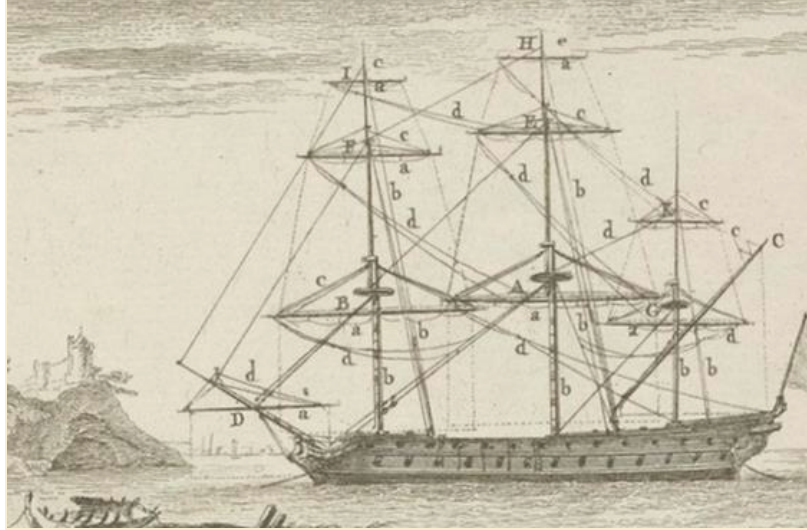


ENST2



## Our mission

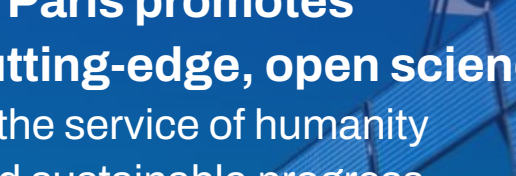
**TRANSFORMING  
FRENCH  
SCIENTIFIC AND  
TECHNOLOGICAL  
EXCELLENCE  
INTO A GLOBAL  
STRATEGIC  
ASSET**



Established in 2019, the Institut Polytechnique de Paris brings together six leading French engineering schools boasting nearly

300  
*years of excellence*

to train those who shape  
a better future



**IP Paris promotes  
cutting-edge, open science**  
at the service of humanity  
and sustainable progress



*Our strength*

**BRINGING TOGETHER  
EXCEPTIONAL  
EXPERTISE TO  
POSITION THE  
INSTITUTE AMONG  
THE WORLD'S LEADING  
INSTITUTIONS IN  
SCIENCE AND  
TECHNOLOGY**

6 schools



*ENPC*

Founded in 1747, an engineering school committed to major contemporary issues: ecological transition, mobility, regional planning, economics, and innovation



*ENSAE Paris*

The French benchmark in statistics, economics, and data science, at the heart of major public and private decisions



*École Polytechnique*

Since 1794, École Polytechnique has cultivated multidisciplinary, excellence, and a humanistic tradition, combining research, education, and innovation at the highest scientific and technological level



*Télécom Paris*

The school that has been educating the architects of the digital world for nearly 150 years: networks, AI, cybersecurity, data



*ENSTA*

Founded in 1741, ENSTA, France's oldest engineering school, operates in major sovereign sectors: transport, energy, defence, maritime, and healthcare



*Télécom SudParis*

The school that anchors digital technology in reality, with a commitment to performance, sovereignty, and responsibility

# 3 *levers*

## Education

**Training those who will shape the world of tomorrow**

Pathways of excellence to train those who will understand, support, and lead major transformations

## Research

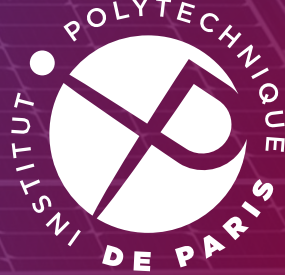
**Advancing science**

Scientific activity resolutely focused on major challenges, based on interdisciplinarity, research, and real-world experimentation

## Innovation

**Translating knowledge into direct impact**

Solutions for progress, through public-private collaborations, chairs, incubators, startups, and bridges with the economic world



**INSTITUT  
POLYTECHNIQUE  
DE PARIS**

**A WORLD-CLASS INSTITUTE  
OF SCIENCE AND TECHNOLOGY**

# A MAJOR **SCIENTIFIC AND TECHNOLOGICAL PLAYER** IN INTERNATIONAL COMPETITION

**11,300**

students

**43%**

international

**96%**

graduate employment rate  
at 12 months

**2,000**

faculty and  
research staff

**41%**

international

**+100K**

alumni worldwide  
and across all strategic  
sectors

**10**

unicorns founded and/or  
led by an Alumnus from  
our schools

**6**

Nobel Prizes

**4**

Fields medals

**300**

partner companies

# WELL POSITIONED IN THE WORLD RANKINGS



WUR 2027



THE 2026



ARWU 2026



2

2

9

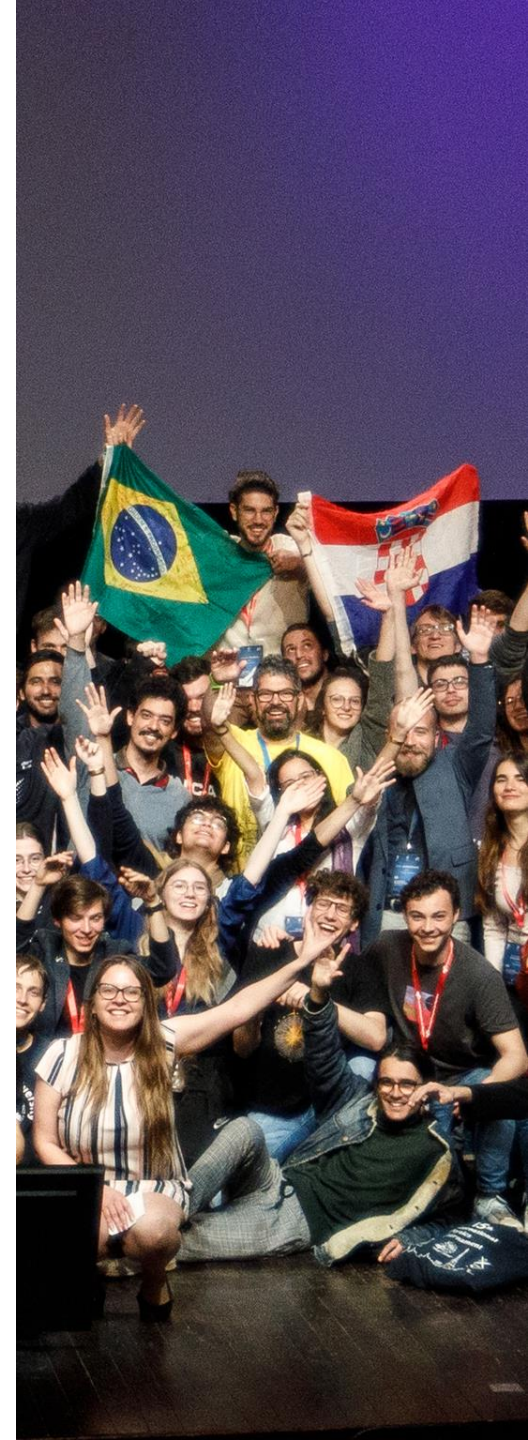


43

68

212

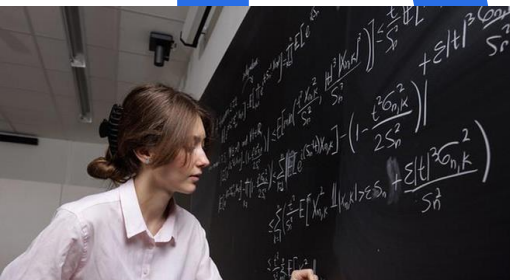
+12 vs 2025



# 10

## *Departments* **OF EDUCATION AND RESEARCH**

The academic foundation of IP Paris, they bring together the schools' disciplinary strengths and structure the scientific offering across the Institute



**MATHEMATICS**



**PHYSICS**



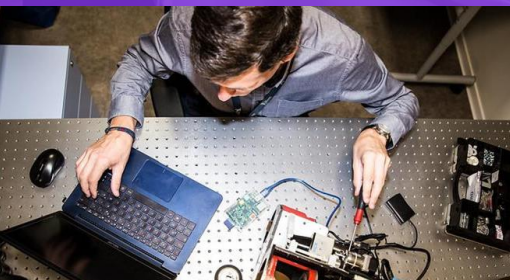
**MECHANICAL SCIENCE &  
ENGINEERING**



**CHEMISTRY & PROCESSES**



**BIOLOGY**



**INFORMATION,  
COMMUNICATION  
& ELECTRONICS**



**COMPUTER SCIENCE,  
DATA & AI**



**ECONOMICS**



**SOCIAL SCIENCES AND  
MANAGEMENT**



**HUMANITIES, ART,  
LITERATURE & LANGUAGES**

# 7 *Interdisciplinary Centers*

## PROJECTING THIS EXCELLENCE ONTO CONTEMPORARY CHALLENGES

They combine the expertise of our schools to deliver answers to major scientific, technological, and societal challenges



### *AI & Data*

Making AI and data science a world-class scientific, economic, and societal lever



### *Defence & Security*

Placing research at the service of defence and security technological needs



### *Seas & Ocean*

Developing maritime science and technology for the ocean, climate, and sustainable uses



### *Energy & Climate*

Accelerating the energy and climate transition through science, experimentation, and assessment



### *Engineering for Health*

Advancing the convergence of life sciences, engineering, and healthcare to transform prevention, diagnosis, and care



### *Materials Science*

Inventing the materials that will enable ecological, industrial, and technological transitions



### *Cultural and creative industries*

Fostering dialogue between arts, sciences, and imaginations to design new uses and narratives

# €30M

in philanthropy raised from private partners for the interdisciplinary centers since 2019



INSTITUT  
POLYTECHNIQUE  
DE PARIS

# A THREEFOLD AMBITION



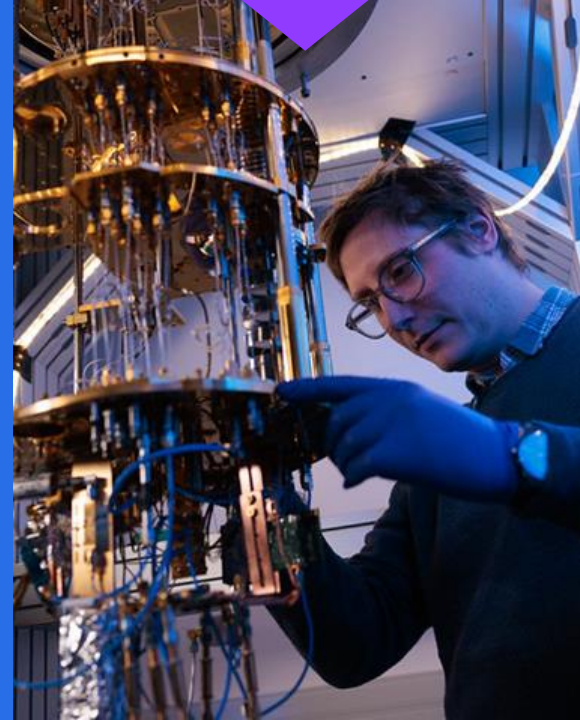
## To advance science and technology

- Research
- Innovation



## Training those who will shape the world of tomorrow

- Education



## Creative and sharing with our partners

- International outreach
- Corporate partnerships
- At the heart of the plateau de Saclay



# AN EDUCATION OF EXCELLENCE, ANCHORED IN SCIENCE AND FOCUSED ON IMPACT

Engineering, research, major corporate groups, startups and public service: whichever path they choose, IP Paris equips its students to understand the complexity of the world and empowers them to make an impact at the highest level

28%

of CAC 40 CEOs  
are graduates of our schools

33%

of French unicorns founded  
by our alumni

80

Presidents and former Government  
Ministers graduated from our schools

350

members of the  
Academy of Sciences

135

members of the Academy of  
Technologies



# A COMPREHENSIVE PROGRAM OFFER **TO TRAIN** **HIGH-LEVEL TALENT**

## From bachelor to PhD

A continuum of programs backed by the excellence of the member schools and IP Paris laboratories, with major involvement from faculty members at every level



# +96%

of graduates find a job  
related to their training  
within 12 months

## Expertise serving all major transformations

Energy and climate – Technological sovereignty – Defence  
Cybersecurity – Quantum – Robotics – Artificial intelligence  
Data science – Bioengineering – Health, etc.

\*PhD Track: an integrated 5-year program from Master's to PhD, designed to train high-level researchers



## INITIAL EDUCATION

## EXECUTIVE EDUCATION

### UNDERGRADUATE

### POSTGRADUATE

### Advanced masters

## ENGINEERING PROGRAM

### BACHELOR

### CPES

### PhD Track\*

### MASTERS

### PHD

### Executive master

### MSCT

### Executive Education

BAC +3

BAC +5

BAC +8



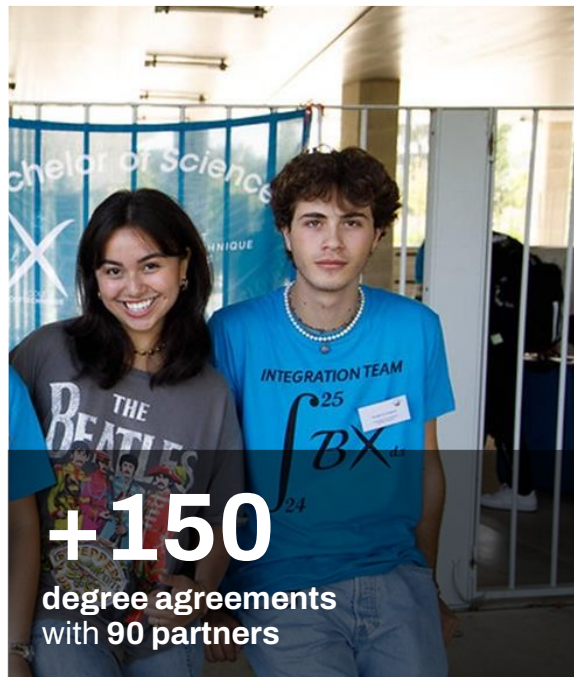
# A UNIQUE STUDENT EXPERIENCE, BOTH **INTERNATIONAL AND UNIFYING**

An environment designed to attract,  
welcome and nurture the best talents



**43%**

international students and 54%  
within the Graduate School



**+150**

degree agreements  
with 90 partners

An environment fostering cohesion and exchange



**400**

clubs and associations



**70**

sports activities  
and one of the best-equipped  
campuses in France



# THE GRADUATE SCHOOL, AN INTEGRATED ACADEMIC MODEL, FROM MASTER'S TO PHD

## International diversity

**46%**

d'international  
students

**95**

nationalities

## A unified offer across the Institute

**19**

Master's  
programs

**3**

Doctoral  
schools

**12**

PhD  
Tracks

**1,250**

Master's  
students

**1,400**

PhD candidates

## Training by and for research

**40%**

of Master's graduates  
pursue a doctoral thesis

**89%**

of PhD Track students  
pursue a doctoral thesis

- A coherent pathway towards the PhD
- A talent pool of high-potential students

# THE EQUAL OPPORTUNITY CENTER, WIDENING ACCESS TO THE BEST PROGRAMS BY COMBINING EXCELLENCE AND DIVERSITY



## 25,000

students made aware  
and supported each year



### A strong commitment

Enabling every young person, regardless of gender, social or geographical background, to access and succeed in the best scientific programs



### A lever for internal transformation

Sustainably diversifying the recruitment of IP Paris students by widening social, geographical and gender diversity



### A support

Contributes to the funding of the Center and amplifies the reach of this approach

*Pillars of action*

INSPIRE

GUIDE

ENGAGE

EVALUATE

DIVERSIFY



# A WORLD-CLASS SCIENTIFIC INSTITUTE AT THE HEART OF MAJOR CONTEMPORARY CHALLENGES

Cutting-edge research, combining fundamental, interdisciplinary approaches with a focus on the subjects reshaping our societies:

ARTIFICIAL INTELLIGENCE

BIOENGINEERING

HEALTH

CLIMATE

ENERGY

DEFENSE

CYBERSECURITY

QUANTUM

ROBOTICS

...

2,000

faculty and research staff, including  
41% international

128

ERC projects submitted between 2019 and 2024,  
including 33 funded (25% success rate)

1,400

PhD candidates

78

teaching and research  
chairs

5,500

publications per year

120

patents



# RESEARCH RECOGNIZED AT THE HIGHEST GLOBAL LEVEL IN SEVERAL DISCIPLINES



2026

by subject

24<sup>th</sup>

Mathematics

29<sup>th</sup>

Engineering  
and Technology

35<sup>nd</sup>

Statistics and Operational  
Research

45<sup>st</sup>

Economy  
and Econometrics



2026

GRAS

45<sup>th</sup>

Physics

2026

by subject

43<sup>nd</sup>

Computer  
Science





# A MODEL COMBINING ACADEMIC DEPTH AND SOCIO-ECONOMIC IMPACT

## 45 laboratories

**embody the Institute's scientific wealth** and provide IP Paris with a broad, visible, and structured research capability

## 10 departments

**of research and training structure the Institute's major disciplines**, drive the scientific communities, and ensure the academic depth required for research excellence

## 7 interdisciplinary centers

**bring together the expertise of laboratories, researchers, and partners** to develop new responses to major global challenges

# AN ECOSYSTEM BUILT WITH NATIONAL RESEARCH ORGANIZATIONS



## 22 Joint Research Units (UMR\*)

– historical partner in physics, mathematics, AI, energy, cybersecurity, and quantum technologies. Co-coordinator of the Apollon laser infrastructure



**18 joint project-teams** (digital, AI, health, defence, and quantum technologies, etc.). Supporting the emergence of startups through the Inria Startup Studio



**3 Joint Research Units (UMR\*)** (LULI, LSI, IMSIA) on energy, cybersecurity, materials, and quantum technologies



**1 Joint Research Unit UMR\*** (LOB) and associated with the E4H center of life sciences, optics and biosciences



Sharing of tools and expertise in mechanics, physics, and digital technologies

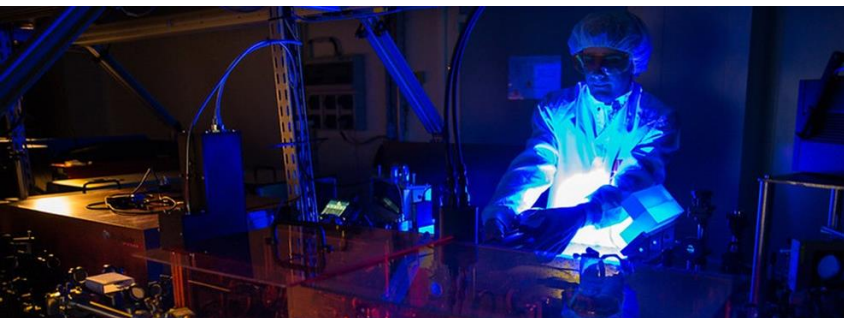


Co-founder of the CIMO - Joint projects and teams in numerical oceanography, underwater robotics, and marine renewable energies





# STATE-OF-ART INFRASTRUCTURES TO EXPERIMENT, PROTOTYPE AND ACCELERATE



## LASER

Laser Apollon

(ECOLE Polytechnique X CNRS)



## CIVIL ENGINEERING AND CONSTRUCTION

Halle Freyssinet

(ENPC)



## MECHANICS

Mechanics hub

(ECOLE Polytechnique X ENSTA)



## IMAGING

Morphoscope

(ECOLE Polytechnique)



## ENERGY CLIMATE

6 full-scale technological demonstrators

(CAMPUS OF ECOLE Polytechnique)



## ROBOTICS

Drone cage – Testing tank

(ENSTA – PARIS CAMPUS AND BREST CAMPUS)



# IP PARIS, A DRIVING FORCE FOR DISRUPTIVE INNOVATION IN FRANCE AND EUROPE

Detecting earlier, supporting further: IP Paris transforms scientific excellence into disruptive innovations that will shape tomorrow's industry and society

|               |                |           |                             |
|---------------|----------------|-----------|-----------------------------|
| IA & DIGITAL  | HEALTH TECH    | GREENTECH | MOBILITY & TRANSPORTATION   |
| CYBERSECURITY | ROBOTICS & IoT | QUANTUM   | INDUSTRIES OF THE FUTUR ... |

**10**

unicorns founded or led by an alumnus  
or accelerated in IP Paris incubators

**25%**

of Next40 scale-ups founded or led by an  
alumnus, or accelerated in IP Paris incubators

**+ 120**

startups supported every year

**+ 120**

new patents and software applications  
by our researchers since 2021

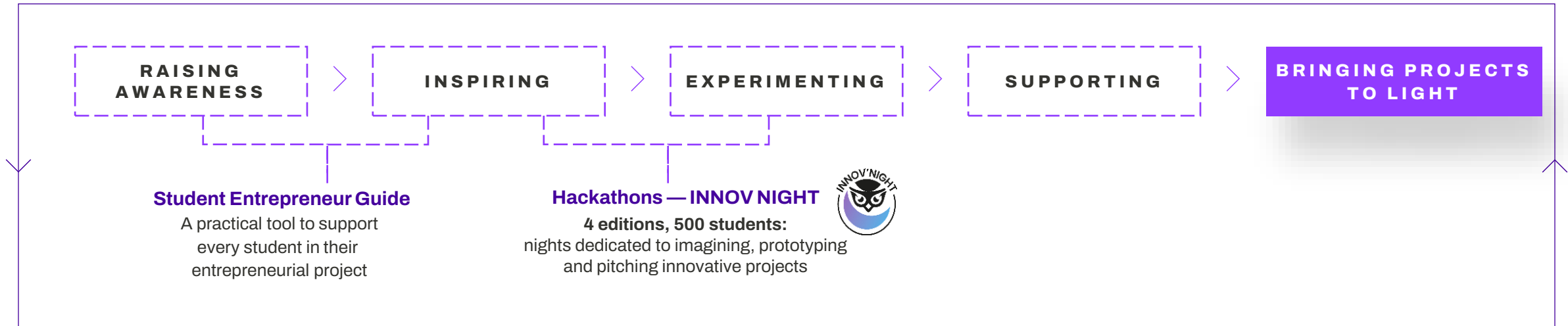
**> €5billion**

in funds raised by alumni  
since 2021

**€1Mn /year**

to develop PoCs for  
10 - 15 emerging deeptech projects

# INSPIRING ENTREPRENEURIAL TALENTS



## STARTUP DE RÉFÉRENCE



**Founded by Paul Frambot in 2021, a student at Télécom Paris**

- Open-source decentralized finance infrastructure to make crypto-assets lending more efficient
- In less than 3 years, it has become one of the 31 French unicorns

# FROM FUNDAMENTAL RESEARCH TO BREAKTHROUGH INNOVATION TO ADDRESS TOMORROW'S CHALLENGES

## Fostering innovation

today and supporting  
emerging projects

## Unlocking tomorrow's innovation

and fostering the emergence of critical  
technologies for the world of 2040

## Addressing

International and European  
sovereignty challenges

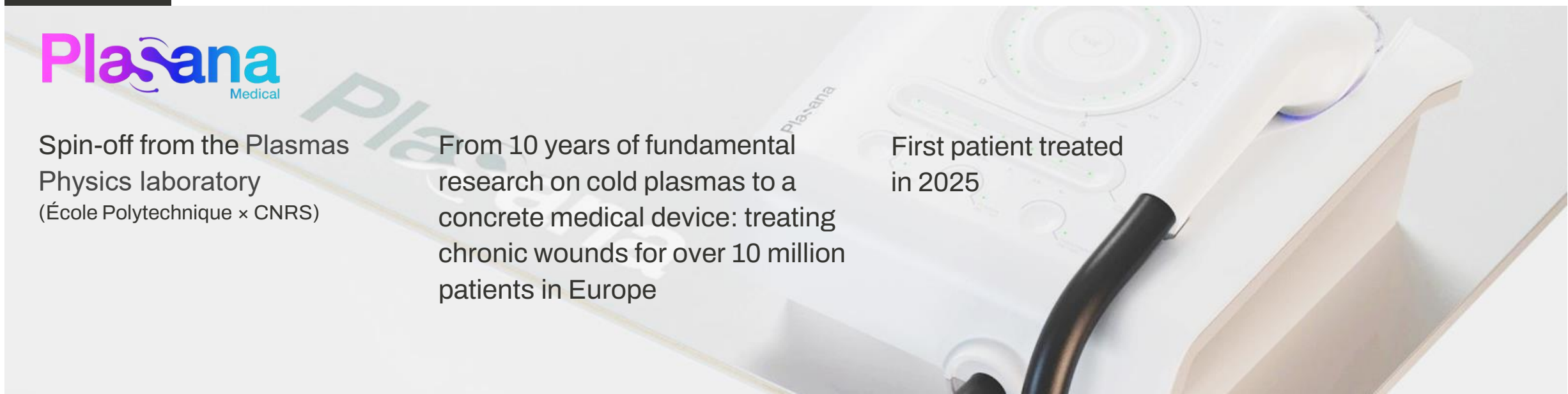
### LEADING STARTUP



Spin-off from the Plasmas  
Physics laboratory  
(École Polytechnique × CNRS)

From 10 years of fundamental  
research on cold plasmas to a  
concrete medical device: treating  
chronic wounds for over 10 million  
patients in Europe

First patient treated  
in 2025



# MECHANISMS TAILORED CLOSELY TO THE PROJECTS

## Structures



**INNOVATION LAB  
IP PARIS**

From idea to proof to  
concept



**TECHNOLOGY  
TRANSFER  
OFFICE**

Research valorization  
units



**INCUBATORS**

Drahi-X Novation Center  
(École Polytechnique)

Télécom Paris Incubator  
(Télécom Paris)

IMT Starter (Télécom  
SudParis)

ENSTARTUPS (ENSTA)

Ponts Alumni Incubator  
(ENPC)



**PROTOTYPING  
SPACES**

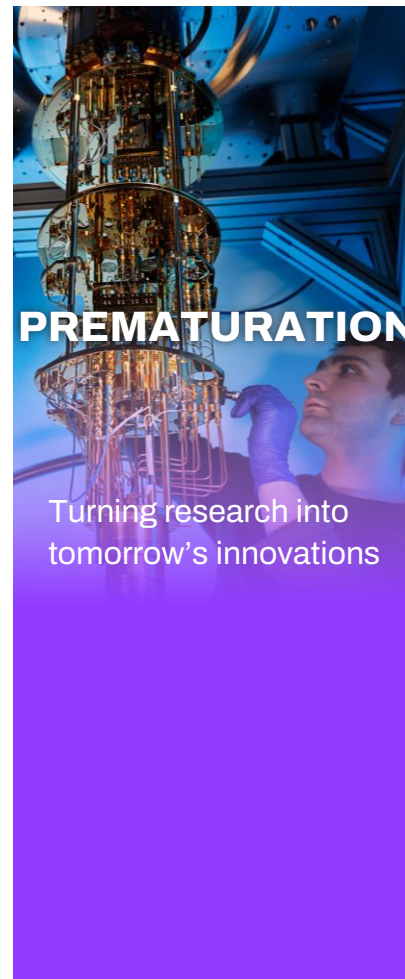
X-FAB (École Polytechnique)

Studio Design &  
Fablab-eLab (Télécom  
Paris)

FabLab Étoile (Télécom  
SudParis)

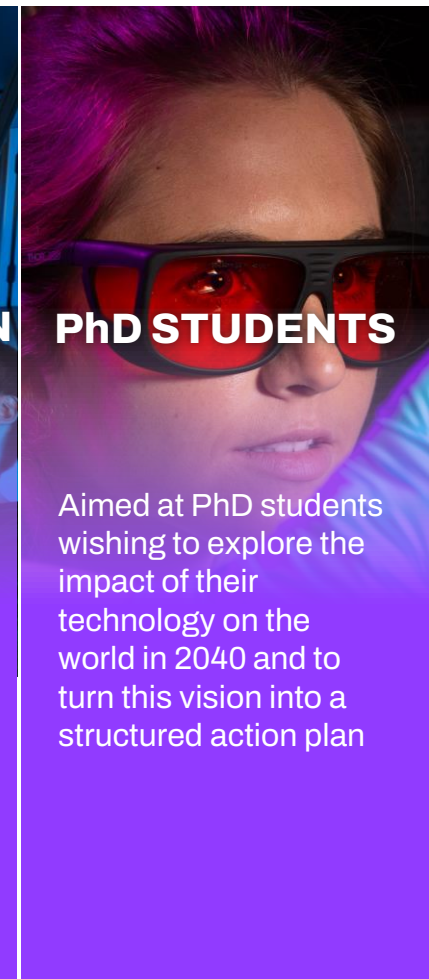
Co-innovation Lab  
(ENPC)

## Calls for projects



**PREMATURATION**

Turning research into  
tomorrow's innovations



**PhD STUDENTS**

Aimed at PhD students  
wishing to explore the  
impact of their  
technology on the  
world in 2040 and to  
turn this vision into a  
structured action plan



# BUILDING STRATEGIC PARTNERSHIPS TO ADVANCE RESEARCH, EDUCATION AND GLOBAL ENGAGEMENT

Together with our partners,  
we develop international  
ecosystems based on  
excellence and reciprocity

## 3 pillars

Fostering high-impact  
scientific collaborations  
aligned with the Institute's  
academic priorities

Designing joint educational  
programs with leading international  
**institutions** to enhance scientific  
quality and global openness

Offering innovative mobility  
opportunities for students, PhD  
candidates, and researchers within a  
leading international network



# A GLOBAL ACADEMIC NETWORK

**+150**

degree agreements  
with 90 partners  
worldwide

**+220**

research and international  
mobility partners

**3,450**

international  
co-publications

Collaborating  
to advance talent  
and knowledge

## Strategic Partnerships

### Europe



### World





# LEADING EUROPEAN ALLIANCES



**EuroTech**, a major European alliance

Universities Alliance

**TU/e**

EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

**DTU**



Brussels  
Office

Technical  
University  
of Munich



INSTITUT  
POLYTECHNIQUE  
DE PARIS

**EPFL**



**TECHNION**  
Israel Institute of Technology



COMPLEMENTARY  
EUROPEAN  
COOPERATIONS



NETWORK



# A LONG-STANDING AND HISTORIC RELATIONSHIP WITH THE ECONOMIC WORLD

We connect research, education, and innovation  
to business needs to secure our countries  
technological leadership together

**70%**

of CAC 40 companies  
committed by our side

**300**

partners  
companies

**€40Mn**

in private funding/year

 BNP PARIBAS

 EDF

 TotalEnergies

THALES

 QRT

 orange

sanofi

 AFG

 SOCIÉTÉ  
GÉNÉRALE

 HERMÈS  
PARIS

CFM

 SAINT-GOBAIN

 UBISOFT

 EUROPORTE

 Carasso  
Daniel & Nina

 CISCO

SERVIER

 arianeGROUP

SAFRAN



 Data  
Lab.

 VEOLIA

 Fonds AXA  
pour la Recherche  
Innovative pour l'avenir

 DASSAULT  
SYSTEMES

 AIRBUS

VINCI

accenture

Capgemini

 Schneider  
Electric

 nexter  
K.N.D'S

L'ORÉAL





 SNCF  
GROUPE

 DASSAULT  
SYSTEMES



NAVAL  
GROUP



# EXAMPLES OF HIGH-LEVEL PARTNERSHIPS WHERE SCIENCE AND INDUSTRY **ACCELERATE** **CUTTING-EDGE INNOVATION**

Interdisciplinary centers  
– Hi! Paris patronage

**Hi! PARIS**, founded by IP Paris and HEC Paris, aims to harness AI and data science to serve science, the economy, and society

[LEARN MORE](#)



Corporate sponsors (**L'Oréal**, **Capgemini**, **TotalEnergies**, **Schneider Electric**, **Vinci**) contribute to funding ambitious research projects and training talents capable of meeting major industrial and societal challenges related to AI

Joint laboratories –  
**HERACLES**<sup>3</sup>

**Accelerating research on intense lasers through an academic and industrial alliance**

[LEARN MORE](#)



Pooling expertise and equipment to develop next-generation lasers to address industrial, medical, and scientific challenges (**Thales + École Polytechnique / ENSTA Paris + CNRS**)

Teaching and research chairs  
– ASC Chair

**Research and training on the Architecture of Complex Systems (ASC)**, supported by multi-partner patronage

[LEARN MORE](#)



Led by the CIEDS, the chair is supported by **Dassault Aviation**, **Naval Group**, **KNDS**, **Dassault Systèmes**, and the **Defense Innovation Agency (AID)**

IP PARIS CONNEXION

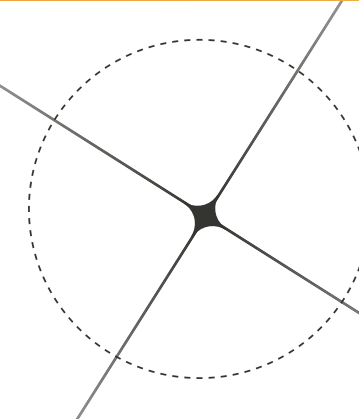
**Partnership for cutting-edge innovation and the co-construction of high-impact projects**

[LEARN MORE](#)



Creating a privileged framework to explore new technological pathways and foster the emergence of innovative collaborations in the four partner's key fields (**Bouygues**, **Servier**, **SNCF**, **Danone**)

# THE CAMPUS: A LIVING PROJECT SUPPORTING THE GROWTH OF THE INSTITUTE



## SCHOOLS ON CAMPUS

01.



02.

ENST2

03.



04.



05.



06.



## RECENT DEVELOPMENTS

07. AgriPV

08. SIRTa 2021 Atmospheric  
Observatory

09. Multisports hall  
2019

## FUTUR DEVELOPMENTS

15. ONERA Building (dedicated  
to aerodynamics, aeroelasticity, and  
acoustics)

16. Defense Institut (including  
the AMIAD research hub)

17. Batterie de l'Yvette  
(drone aviary)

18. Metro station 2026

19. Research building 2027  
(PICM and LLR laboratories)

20. NEXT (IP Paris Shared  
Services)

21. Renov'X (2026-2029)

22. XSeaO2 2026

23. TP Ensae residence  
project

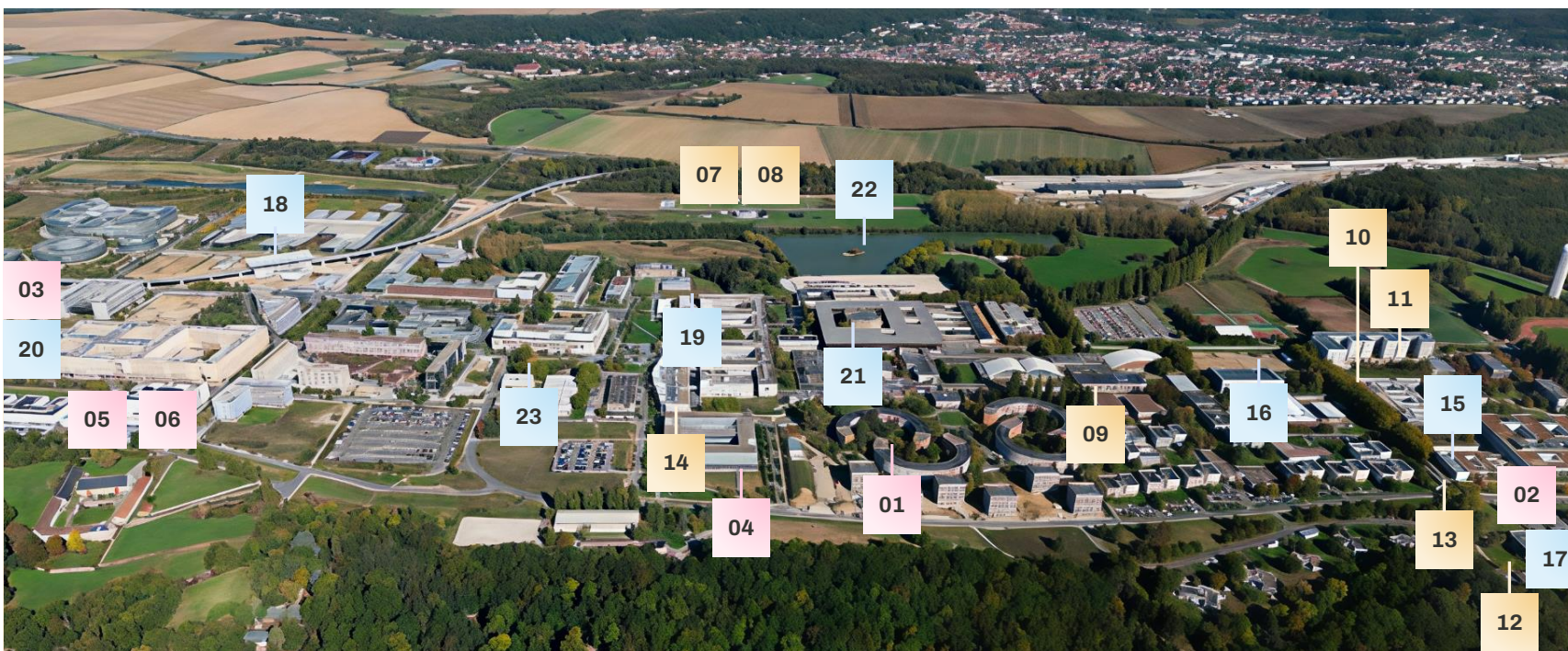
10. Mecanical hub  
2024

11. Student residence  
2019

12. Batterie de l'Yvette  
(LAPLACE Project)

13. Smart Thermal  
and Electric Grid  
Axen 2026

14. Share Teaching  
building 2023



# AT THE HEART OF ONE OF THE **8** MOST POWERFUL INNOVATION HUBS IN THE WORLD

Located 25 kilometers from Paris, the Saclay plateau brings together what few places in the world can combine: the leading French Grandes Écoles, major research organizations, and companies at the cutting edge of global innovation

*Europe's leading  
Innovation hub*

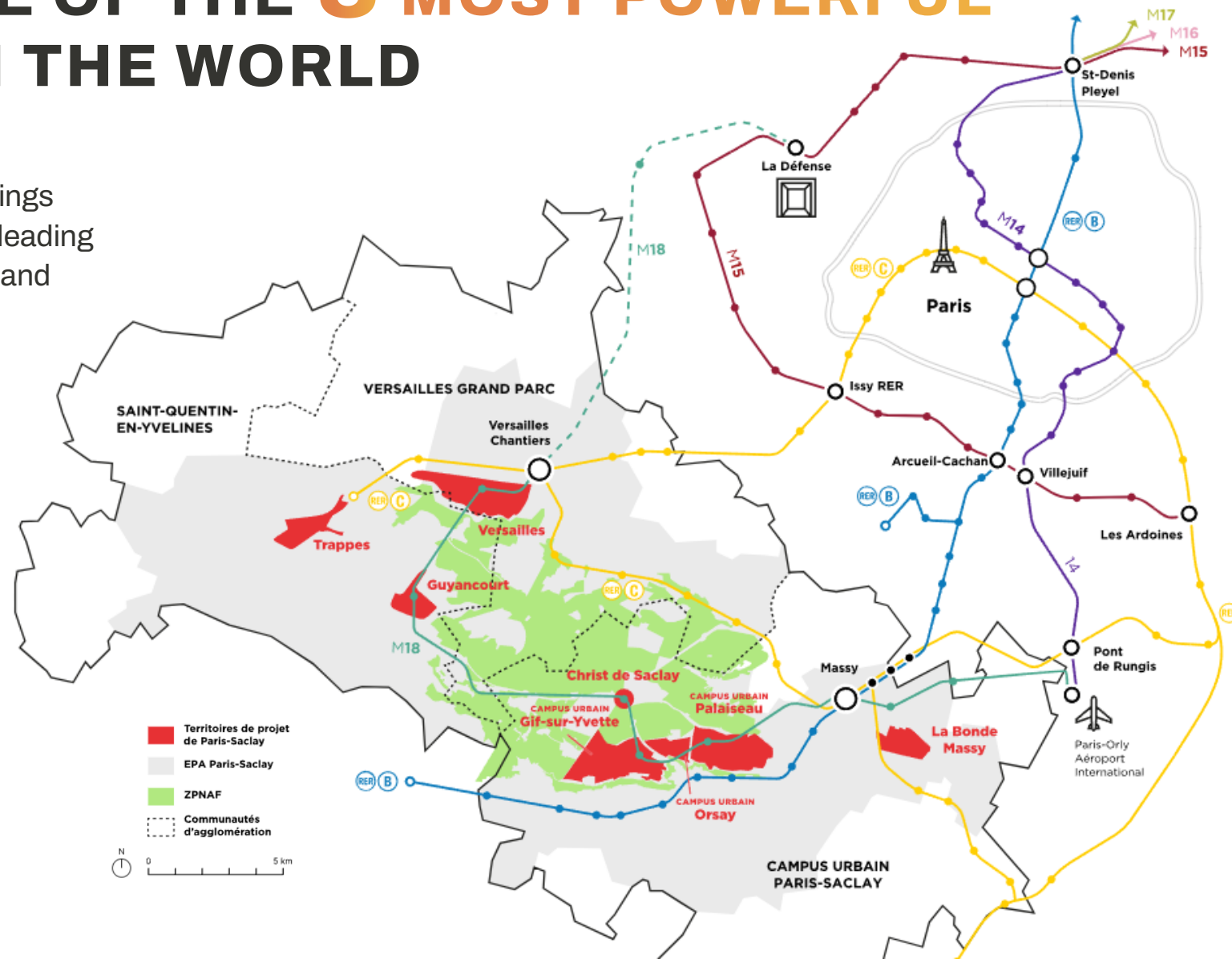
CURRENTLY ACCOUNTING FOR

**21%**

of national research

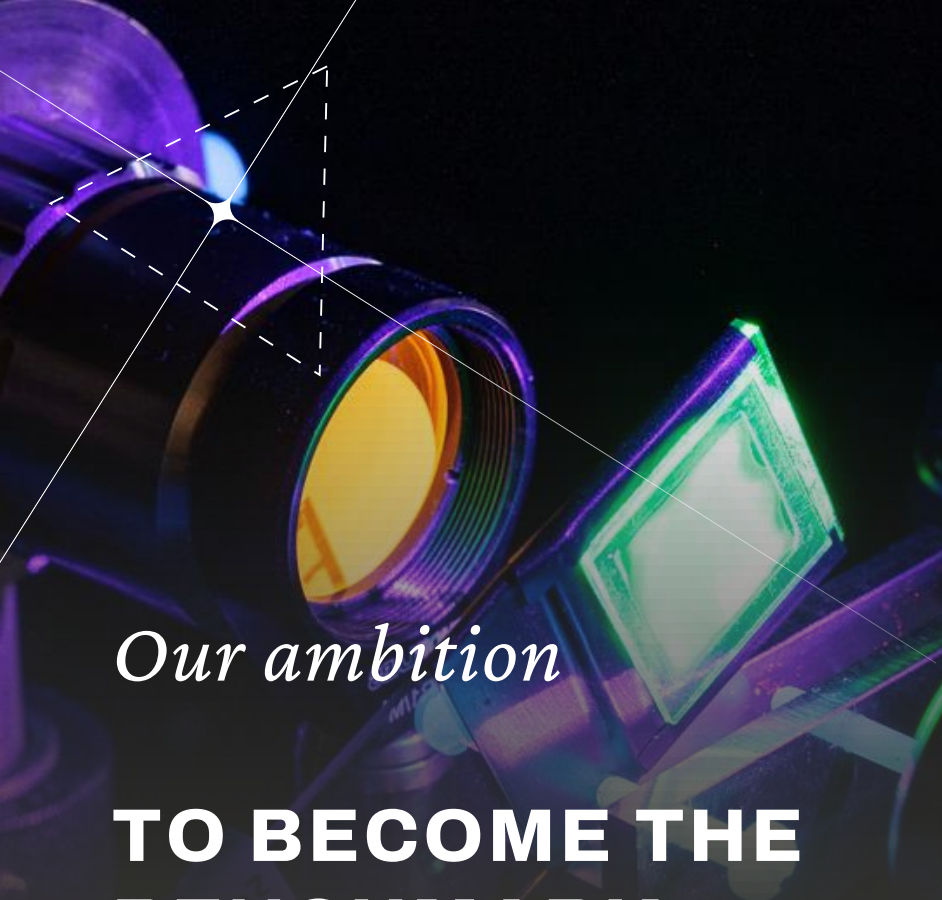
**40%**

Of public and private research jobs  
in the Île-de-France





# *Strengths* **AND PERSPECTIVES**



*Our ambition*

**TO BECOME THE  
BENCHMARK  
EUROPEAN  
INSTITUTION  
SERVING  
SOVEREIGNTY**



STRATEGIC  
PILLAR

01

Serving  
European  
defense and  
security  
challenges



STRATEGIC  
PILLAR

02

Building a  
world-class  
AI hub



STRATEGIC  
PILLAR

03

Inventing  
models for the  
ecological  
transition



ENST2



**CONTACT-US**

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