

The background of the slide features a photograph of the Politecnico di Milano building, a grand neoclassical structure with multiple stories, arched windows, and a central dome. The building is set against a clear blue sky. In the foreground, there is a paved plaza. On the right side of the image, there is a large, stylized graphic of a tunnel or a series of concentric arches, composed of many thin, white, parallel lines that create a sense of depth and perspective, leading towards the building.

**POLITECNICO
DI MILANO**

**PhD School
2022 Welcome Day**



**POLITECNICO
MILANO 1863**

PROGRAMME

10.00 Welcome

Daniele Rocchi — Dean, PhD School

10.15 PhD School Presentation

Fabrizio Buttò — Head, PhD School Staff

10.30 PhD Placement Presentation

Francesca Saracino — Head, Career Service

10.45 PhD Campus Life Presentation

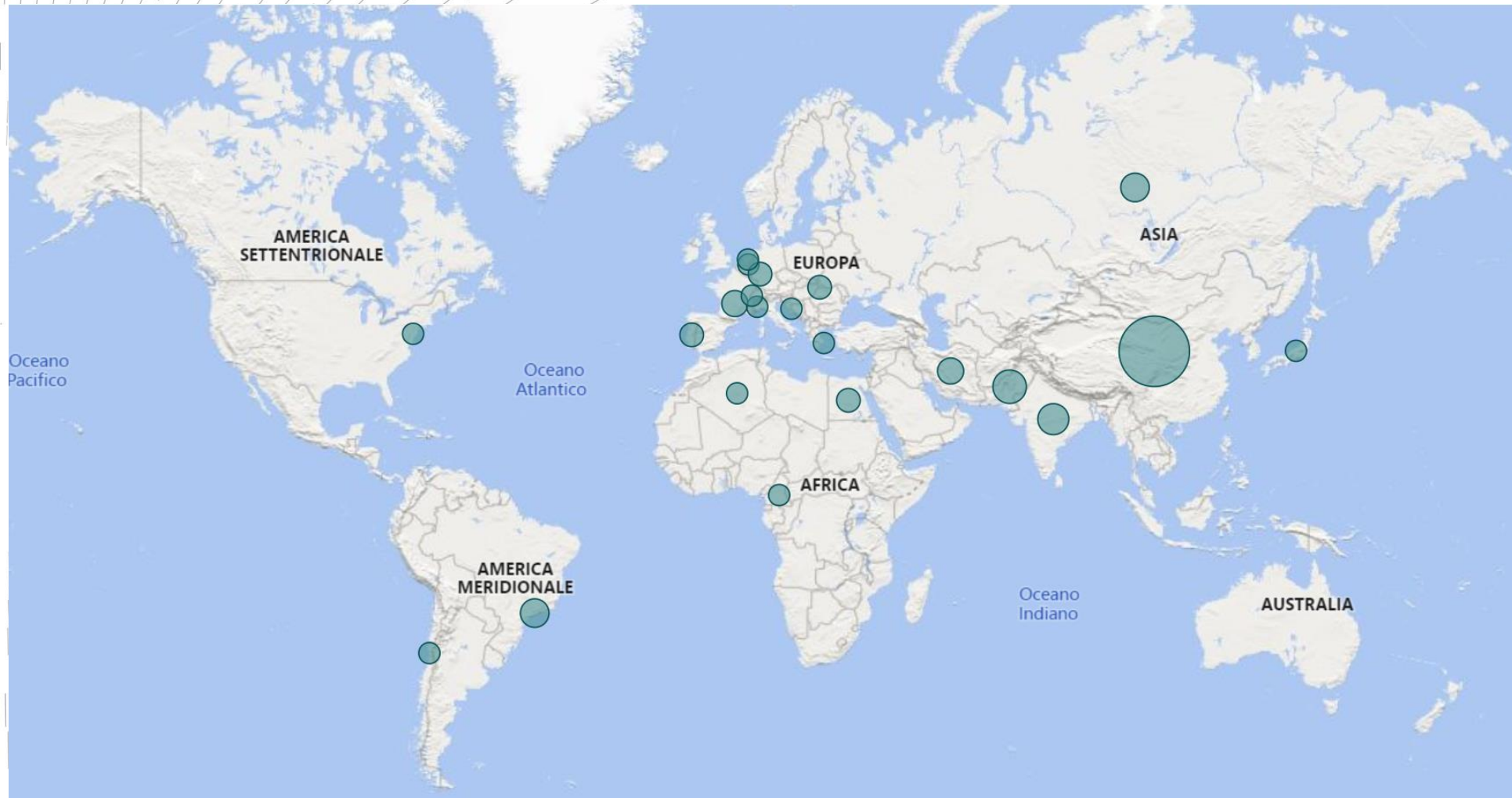
Anna Primerano — Community Life and Merchandising

11.00 Meeting with PhD Candidates' representatives

PhD representatives at PhD School Council

11.15 Q & A

WELCOME TO ITALY AND WELCOME TO MILANO



442

PhD students

351

Italian PhD students

91

International PhD students

30 countries represented
(20% Int)

WELCOME TO ITALY AND WELCOME TO MILANO



Duomo Cathedral



Last Supper – Leonardo Da Vinci



Sforzesco castle

2nd largest city in Italy

Scientific and Financial major Italian hub

Art, culture, culinary heritage and nightlife.

Sport: hometown of Inter FC and AC Milan

Design and Fashion capital: Milano Design week, Milano Fashion week

46th among the *best cities for students* around the world
(Qs Best Student Cities in the World 2022)



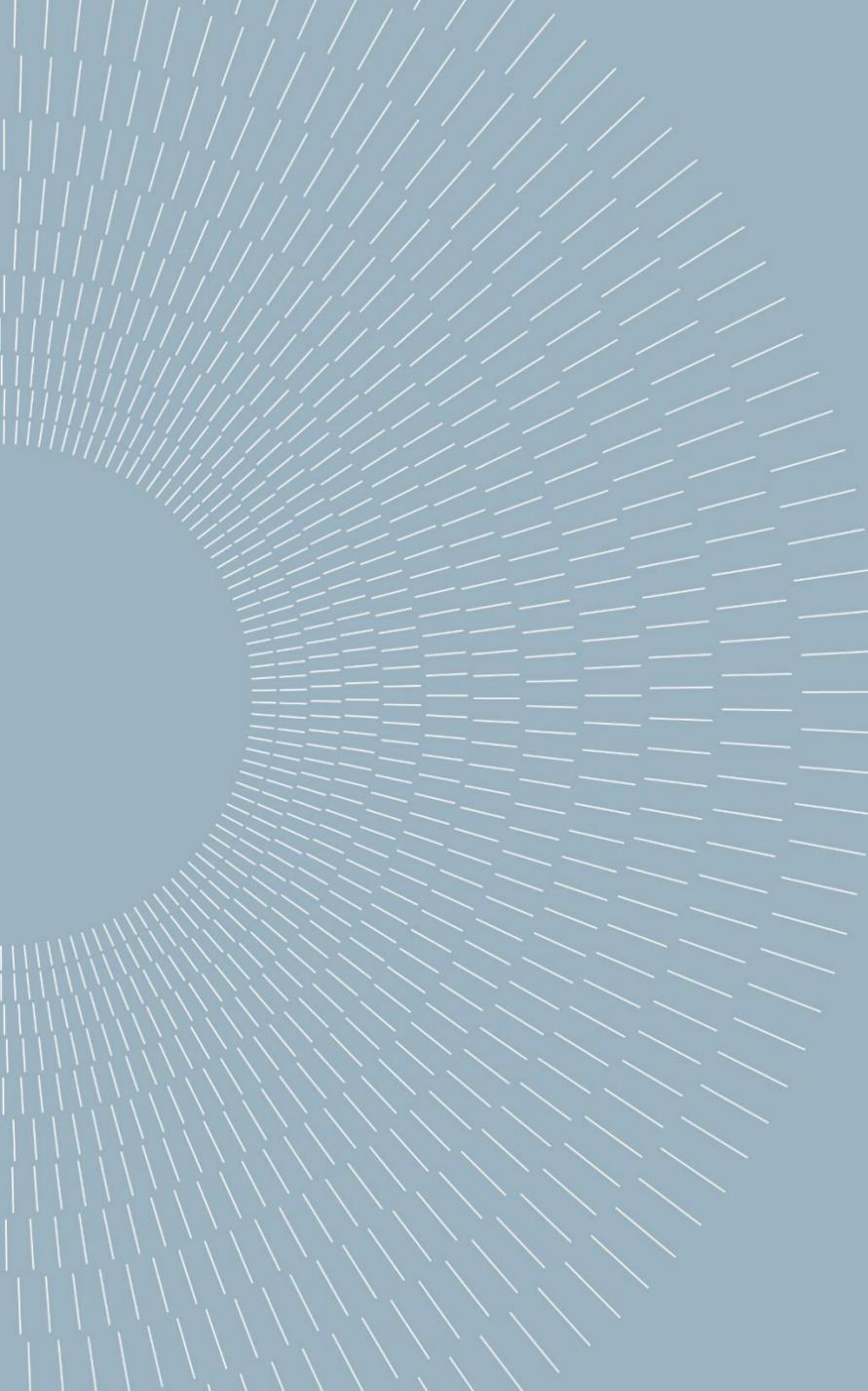
Financial hub



Fashion week



San Siro Stadium



POLITECNICO
AN INTERNATIONAL
TECHNICAL RESEARCH
UNIVERSITY



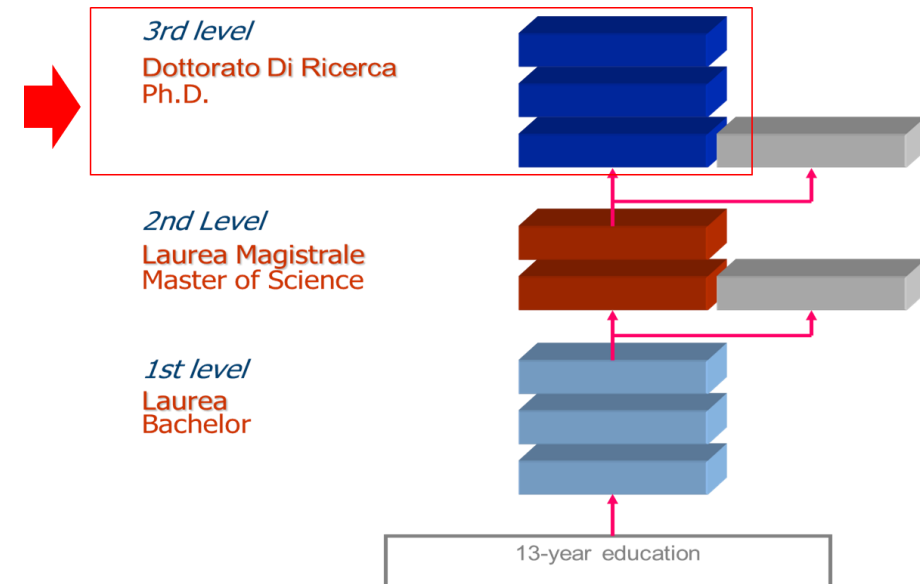
QS WORLD RANKING

In 2022, the ranking "by Subject" listed the Politecnico di Milano among the world top 13 in all three specific areas:

13rd in Engineering,
10th in Architecture
5th in Design.



ENGINEERING, ARCHITECTURE, DESIGN



27 Bachelor of Science programmes

44 Master of Science programmes

20 PhD programmes

120 Specializing masters and post-graduate courses

OUR COMMUNITY (2021/22 DATA)

OVER 47,000

MSc and BSc students

2,049

PhD students

1,254

Research Fellows

1,259

Technical/Administrative
Staff

1,507

Lecturers

441

Full Professors

660

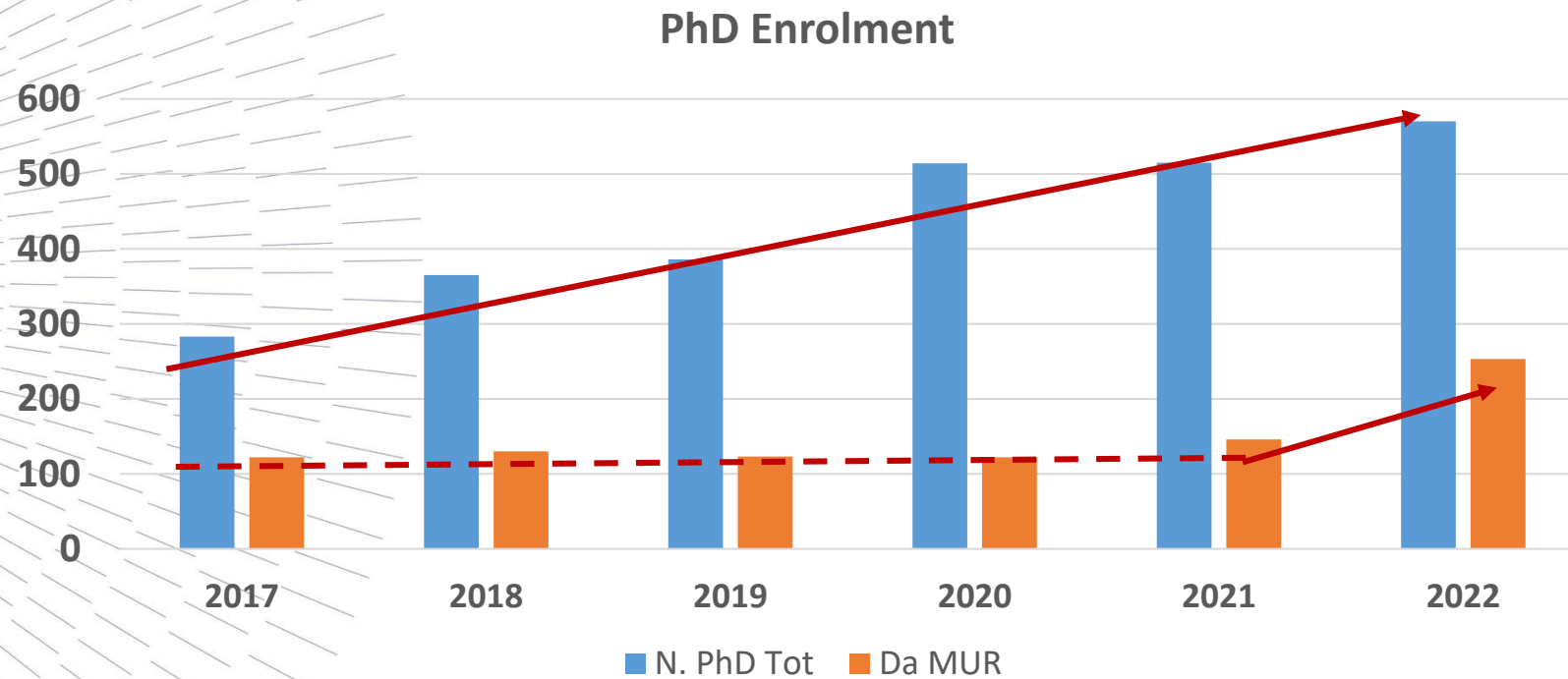
Associate Professors

406

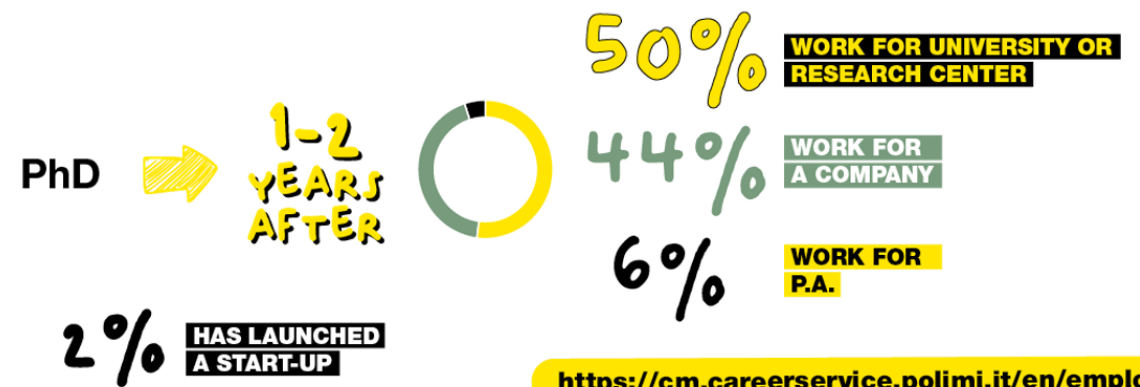
Researchers



PhD STUDENTS ENROLMENT



PHD IS A STARTING POINT FOR A CARRIER IN RESEARCH AND INNOVATION



<https://cm.careerservice.polimi.it/en/employment->



POLITECNICO

PhD

POLITECNICO DI MILANO – 20 PHD PROGRAMMES

ENGINEERING

Aerospace Eng
Bioengineering
Data Analytics and Decision Sciences
Electrical Eng
Energy and Nuclear Science, and Technology
Environmental and Infrastructural Eng
Industrial Chemistry and Chemical Eng
Information Technology
Management Eng
Materials Eng
Mathematical Models and Methods in Eng
Mechanical Eng
Physics
Structural, Seismic, and Geotechnical Eng
Science, Technology, and Policy for Sustainable Change

ARCHITECTURE

Architecture, Built Environment, and Construction Engineering
Architectural, Urban, and Interior Design
Preservation of the Architectural Heritage
Urban Planning, Design, and Policy

INDUSTRIAL DESIGN

Design

PHD ORGANIZATION

The **PhD School**:

- establishes the common rules of all PhD Programmes
- takes care of interdisciplinary/transferable training

Each **PhD Programme** has:

- a Programme Head/Coordinator
- a Faculty Board: organizes disciplinary training, and performs the annual evaluations

PhD candidates:

- carry out their PhD research and prepare a study plan under the guidance of a Supervisor and a Tutor from the Faculty Board

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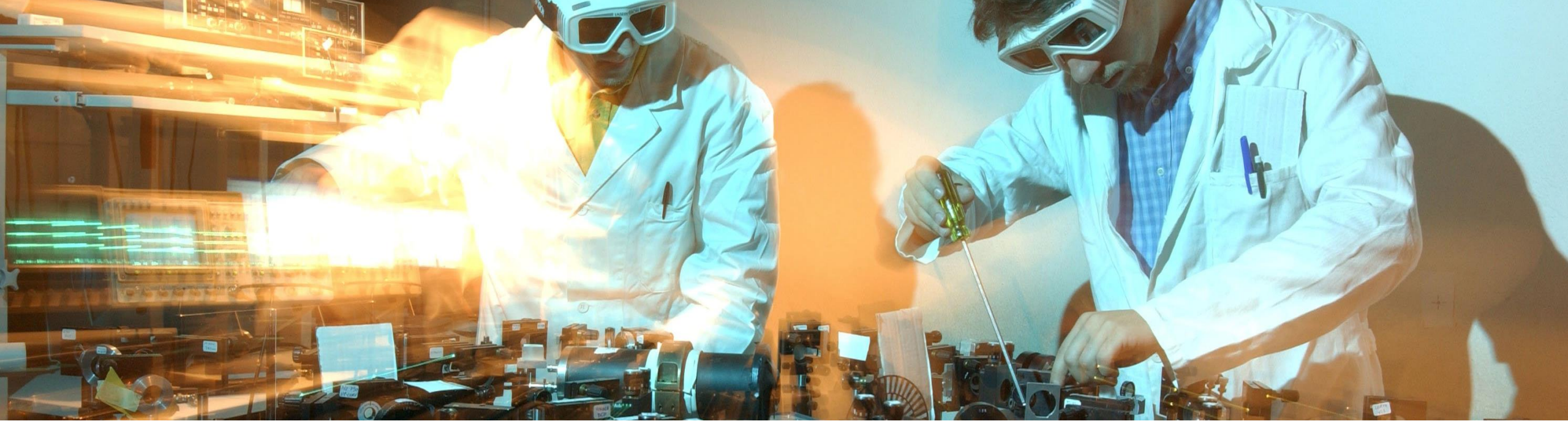
COURSES

Attend and pass courses, and earn 20-30 credits (1 course = 5 credits ~ 25 class hours)

Register to the PhD School courses (mandatory taking 2 PhD School courses)!
(check email later this week)

Choose your PhD programme courses:

- Discuss your choices with your Tutor
- Register to the courses, prepare a study plan



RESEARCH

Large Research infrastructures

International Network

Industrial and Public Network

RESEARCH INFRASTRUCTURES

232

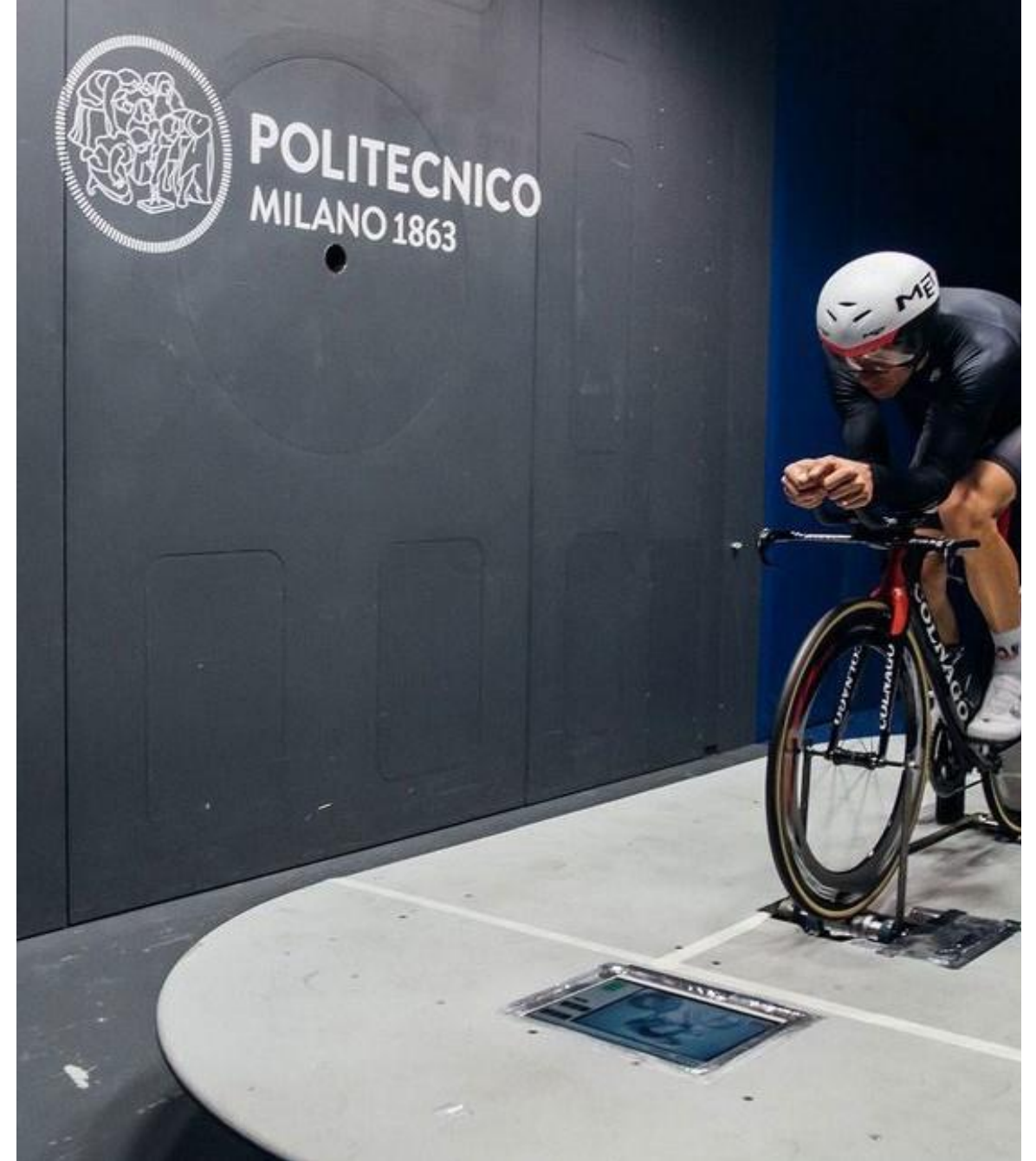
Research Labs

32

Interdepartmental laboratories

6

Large infrastructures





RESEARCH ACTIVITIES ARE MULTIDISCIPLINARY AND WORLDWIDE

187 MLN €

HORIZON 2020

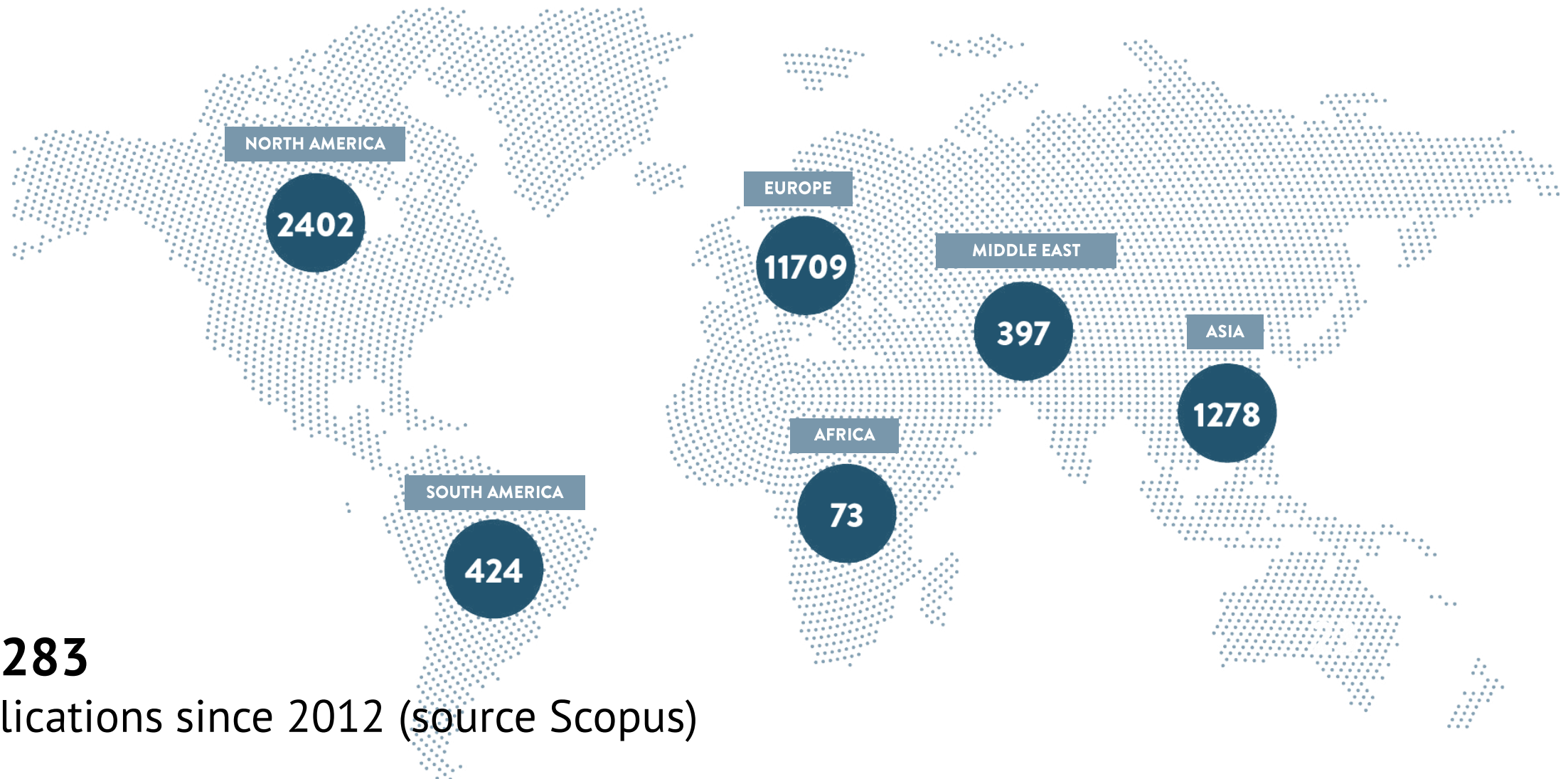
34 ERCs

HORIZON 2020

142 MLN €

SELF-FINANCING
(2020)

PUBLICATIONS WITH INTERNATIONAL CO-AUTHORS



16,283

Publications since 2012 (source Scopus)

IDEA League

IDEA LEAGUE

A strategic partnership between prestigious European technical universities:

- ETH-Zurich
- TU-Delft
- RWTH Aachen
- Chalmers University
- Politecnico di Milano.

The aim is to strengthen the links between technology, science and society. IDEA League promotes programmes and projects for students, PhD students, researchers, faculty and staff of partner universities to develop their skills and expertise.

ENHANCE ALLIANCE

A new alliance of seven of Europe's technical universities, established with a view to promoting responsible social transformation.



- Politecnico di Milano
- Chalmers University of Technology
- NTNU
- RWTH Aachen
- TU-Berlin
- Universitat Politècnica de València
- Technical University of Warsaw

will share people, skills, resources and infrastructures, in a European campus that is free of any physical, administrative or educational barriers.



XI'AN INNOVATION HUB

Born from the collaboration with Xi'an Jiaotong University, the Centre has been operational since September 2019.

10,000 square metres of space host the **Joint School of Design and Innovation Centre**, which is a centre of excellence for teaching at university and post-graduate level, and in the field of technological innovation.

INTERNATIONAL OPPORTUNITIES

- PhD fellowships include a 50% increase in the monthly income for a period abroad up to 6 months
- Double degree agreements allow to achieve the degree of both the involved institutions in a 4-year track

INDUSTRIAL OPPORTUNITIES

- Bridging knowledge from University to Companies
- Access to Corporate research infrastructures
- Develop ideas, patents, start ups

MASTER OF SCIENCE
DEGREE



PhD



1-2
YEARS
AFTER



2%

HAS LAUNCHED
A START-UP

50%

WORK FOR UNIVERSITY OR
RESEARCH CENTER

44%

WORK FOR
A COMPANY

6%

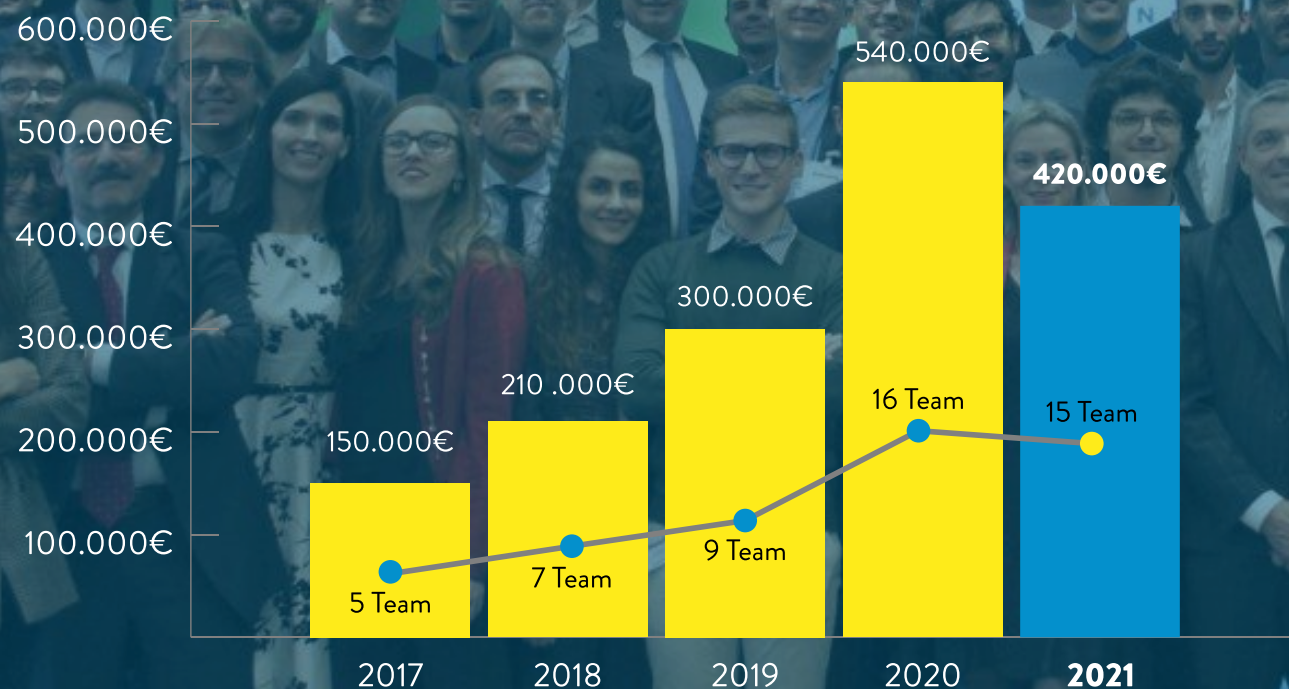
WORK FOR
P.A.

TREND START UP



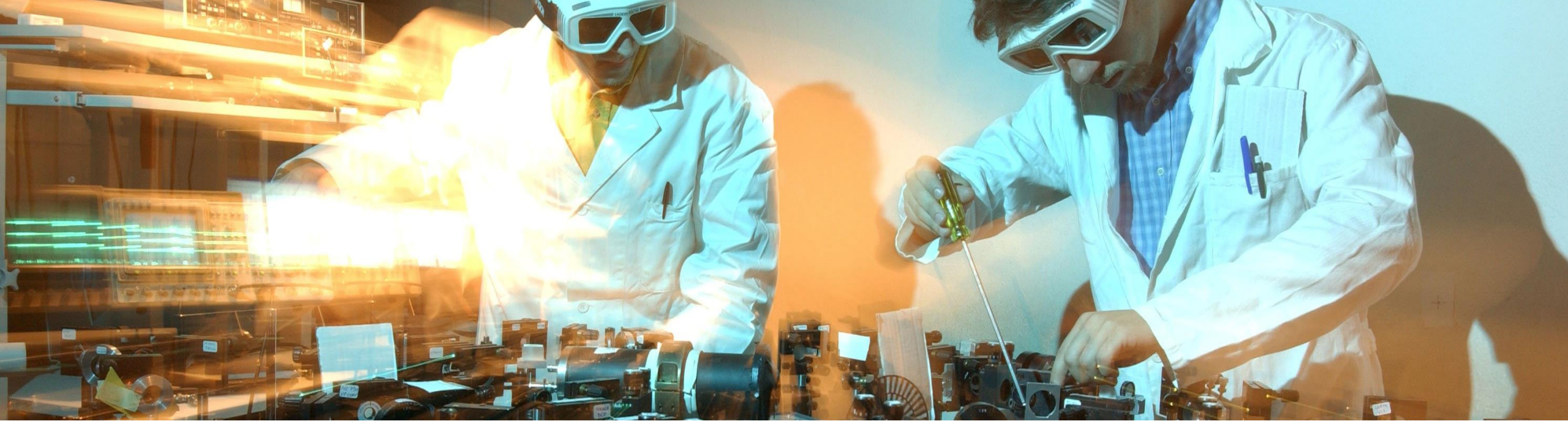
POLITECNICO
MILANO 1863

€ to Teams winner of S2P



2017-2021

52 Research Teams granted
1.620.000€ funded
73 Active Spin-off
(+50% in the last 5 years)



RESEARCH

Attend seminars to stay up-to-date

Publish the results of your work!

Active participation in **International conferences** is supported by PhD courses, research groups, and an individual endowment

Consider scientific collaborations with different research groups



CONCLUSION

PEOPLE: WHO DOES WHAT

Tutor: provides support for managing your career

Supervisor / Relatore: scientific responsible for the PhD research

Faculty Board / Collegio Docenti: committee for annual evaluations

Coordinator / Coordinatore: Head of your PhD programme

PhD Candidates' representatives / Rappresentanti: in Department / in PhD School Council

PhD Dean / Direttore: Director of PhD School

PhD Secretariat / Segreteria:

- In your Department for travel support, annual evaluations, study plans
- At the PhD School secretariat for enrolment and other (see later)

Check **Regulations** at the PhD School [website](#)

IN CASE OF PROBLEMS

Contact

- Your Tutor / Supervisor
- Your Programme Coordinator / the PhD Dean
- Your Representatives (in the Department / in the School Council)
- The Secretariat (in the Department / the School Secretariat)

In case of further problems, consider the possibility of contacting

- the [Unified Guarantee Committee \(CUG\)](#)
- The [Student Ombuds Office](#), Prof. Mara Tanelli
- [Polipsi](#), represented the psychological and psychotherapeutic support service provided by POLIMI to all POLIMI students and workers

NEXT STEPS

Attend the Welcome day of your specific PhD Programme

Sign the PhD Agreement with your Supervisor

Define your Study Plan

Plan and Start your research Activity

ENJOY AND HAVE FUN.....



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PhD School
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