

# Science and Management 2023-2024

MBA for PhDs

*“Qui agit intellegit”*

2023-2024

# Collège des Ingénieurs

CDI is a pan-European institution of Excellence on Talent and Innovation



 **1986**

*Collège des Ingénieurs* was founded by several *Grandes Écoles polytechnique*, as an innovative business school for boosting talented engineers.

 **1995**

**CDI Germany** was open as initiative by German Alumni and with governmental support, first in Stuttgart and later in Munich.

 **2009**

By the joint initiative of CDI France, **John Elkann** - President of Fondazione Giovanni Agnelli, **Marco Tronchetti Provera** - President of Fondazione Pirelli and **Riccardo Garrone** - President of fondazione Edoardo Garrone, **CDI ITALIA** was established in Turin.

## Enterprise School of Excellence



Paris



München

Torino



**+3100**  
Alumni



**62**  
Countries  
**75**  
Companies

# CDI core values

*Qui agit intellegit: "Learning through action"*

**CDI Mission** is to prepare talented engineers and scientists as future leaders



## Excellence



CDI is an academic excellence in Europe. The best selected young professionals, top professors & testimonials.

## Impact

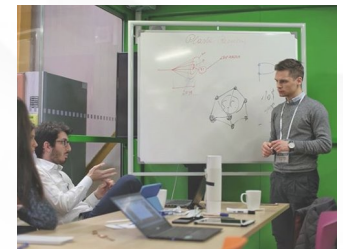


CDI develops young, ambitious and brilliant talents to impact the future and empower the ecosystem where they work.

## Innovation



CDI encourages new ideas, creative thinking, different approaches, experimental mindsets and technological innovation.



**Admission rate around 5%**

# Our Programs & Collaborations

From Education to Innovation Advisory and executive education for companies

## MBA

- Top STEM Talents in EU
- Action Learning MBA
- 70+ Industry Partners

Top Talents Recruitment  
Tech Competent Managers

## SAM

- Double Degree for PhD
- R&D + Innovation Mgmt
- Partners: *Sorbonne, KIT, Aachen, SNS Pisa, others*

R&D Managers  
Innovation Experts

## CDI Innovation

- Startup Collaborations
- Internal Innovation
- Cross-Ind. Innovation

New Tech & Market Sourcing  
Being part of CDI Ecosystem

Talents

Innovation



### Innovation 4 Change

MBA's and PhDs are empowered to tackle global challenges from companies using cutting edge technologies provided by CERN and partners



### Special projects

#### Economist Forum

Annual gathering of top leaders in sustainability tech industry & policy in partnership with Economist group



### Transition Acceleration Program

A joint mission to accelerate collaborative sustainable transition across European industry at policy, assets and financial levels

# Science and Management

## SaM is an MBA program designed for PhDs

Since 2009, CDI has been cooperating with prestigious institutions within the context of the **Science & Management (S&M) program**. This unique program **combines a doctorate** at a scientific university **with the MBA at the Collège des Ingénieurs**.

In Italy the program was started in 2018 and the collaboration with **Scuola Normale Superiore di Pisa** signed in 2020.



### Enables PhDs:

- to complement their doctorate
- gain management know-how
- work together with European industry

**30+** PhDs each year

**90+** Industrial company partners

**120+** MBA talents each year

**3000+** Alumni around the world

Principal Partner Universities:



\*and many others

# Science and Management

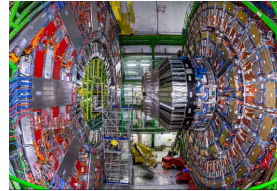
## Main Characteristics & Key area of learnings

**Learning through action** - As for the traditional MBA, the S&M program includes an industry mission in a partner company of CDI Italia.

**International** - Half of the courses take place at CDI campuses in France and Germany.

**Modular structure** - only 6 weeks of courses are set during your PhD, while the remaining course weeks and industry mission take place once the doctoral thesis is submitted.

**Mentoring & Coaching** -the fellows are able to learn and develop new techniques and action strategies that will allow them to improve both performance and conscious decision making.



## Innovation & Entrepreneurship

- I4C programme with CERN
- Masterclasses from entrepreneurs & Industry experts
- R&D and Innovation Missions

## Core Soft Skills

- Team work
- Leadership
- Communication



## International Mindset

- Exchange with FR & DE peers
- Learning seminars abroad

## Thriving Network

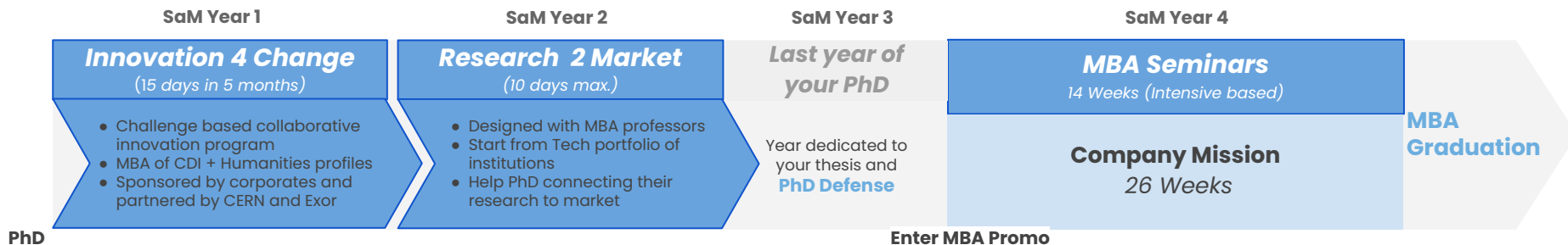
- Pool of top talents from across Europe
- Active alumni network worldwide



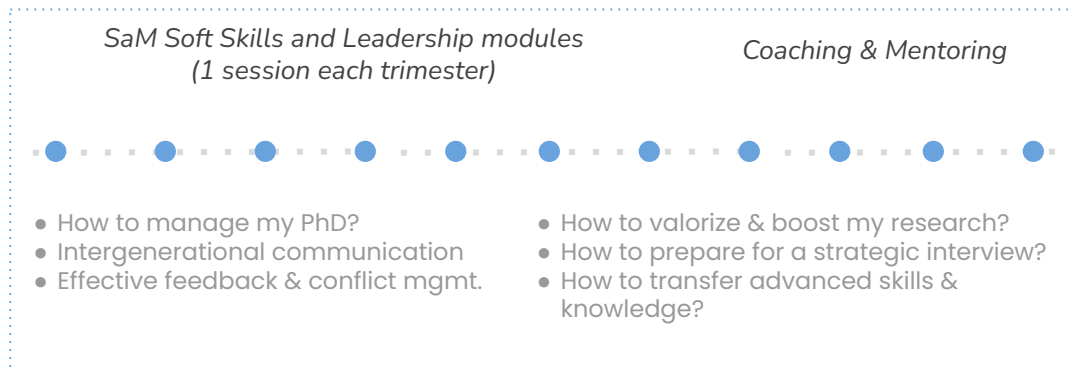
# Science and Management Program



A double degree allowing you to achieve your full potential during your PhD and beyond



## Touchpoints with CDI One/Quarter



## CDI Masterclass & Events calendar with Top Science & Tech Testimonials

Nobel Laureates, CTOs, Tech Startup Founders, Head of Research Centers

Half organized by  
Fellows

Half organized by  
CDI

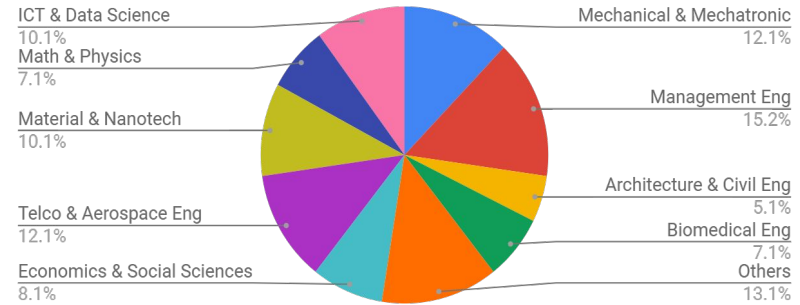
Social Events of MBA Fellows

# Science and Management

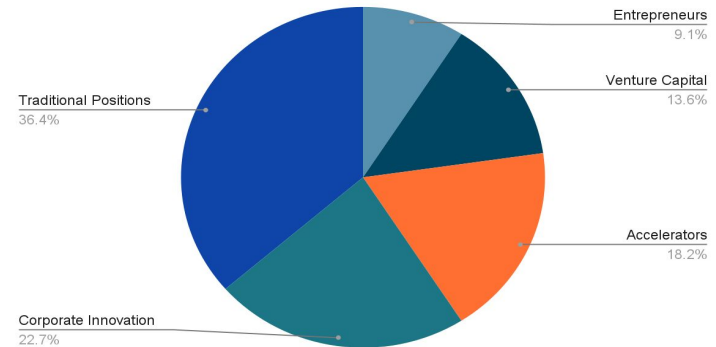
## Developing PhD Talents

A unique opportunity that enables PhD students to complete their doctorate with an MBA at Collège des Ingénieurs, gaining management and entrepreneurial know-how and work together with European industry.

This opportunity is open to Ph.D. students coming from different background in the STEM areas. Here is a graph of the typical composition of one of our intakes.



Alumni Placements 2016-21



\*and many others



# CDI Events: Industry and Institutions network

CDI Leaders Summit, July 6th, CERN, Geneva

CDI Leaders'  
Summit

INNOVATION  CHANGE

European Roundtable **MARCH 23<sup>RD</sup>**

Global Roundtable **MAY 11<sup>TH</sup>**

Leaders Summit **JULY 6<sup>TH</sup>**

**3** DAYS **3** MACRO TOPICS

**60+** COMPANIES & INSTITUTIONS  
that contributed in the three meetings

**7** INDUSTRY SECTORS  
Energy, automotive, chemicals, logistics, pharma, steel, food

**100+** EXECUTIVES  
Participated



# Innovation 4 Change

A collaborative program that enables corporates, institutions and multidisciplinary postgraduate talents towards a common goal of building a sustainable future for Europe through developing disruptive solutions for ESG related challenges



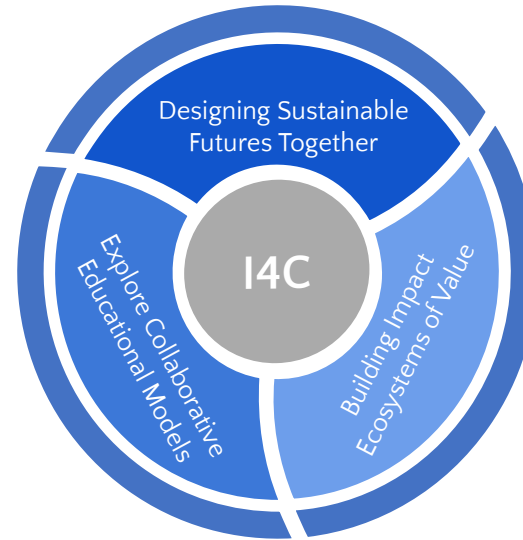
**60 Highly Selected Multidisciplinary Talents**



**10 Global ESG Challenges from Corporate**



**20 Weeks of Teamwork with Experts**



Designed & Run by:

# Coaching & Mentoring

Thanks to the activity carried out by the coach, the fellows are able to learn and develop new techniques and action strategies that will allow them to improve both performance and quality of life.

The coaching activity accelerates the growth of the individual allowing him to focus more effectively and consciously on the objectives to be achieved and the consequent choices to be made.

## *Individual sessions*



## *Collective and individually during mission*



Individual sessions to help each Fellow to move from an engineering perspective to that of an entrepreneur or manager, to prepare for the company mission interviews and to aim to position well, young professionals with high potential within the company mission as well as in the search for their first job.

Group mentoring is carried out in small clusters during workshops.

# Peer to peer learning and extensive network

Immersed with others from completely different background, the participant will create a wide professional and international network, gathering different perspectives.



## FINANCE & M&A

New investment opportunities evaluation, investor relation



## BUSINESS DEVELOPMENT

Area Management, market evaluations and partnerships



## PLANNING AND CONTROL

Business planning, budgeting activities and workflow restructuring



## MARKETING

New marketing challenges for emerging markets, digital marketing & e-commerce



## MANAGEMENT INNOVATION

PM activities on various technologies (ie. AI, APC) and Open Innovation



## ESG & IMPACT ECONOMY

Define ESG Strategies, with topics related to sustainability balance, decarbonization, circular economy

# Some missions from previous years

Some projects in details, as an example, but not limiting to them.



## **PARTNERSHIP DEVELOPMENT**

Strategic development of ecosystem partnerships in the Fintech field.

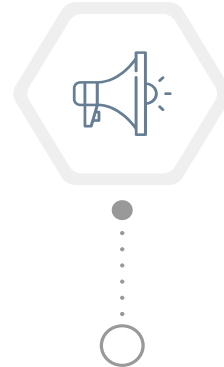
The main activity focused on the identification, management and support in the management of partnerships in the financial technology field.



## **PROJECT MANAGEMENT**

Application of the Lean Project Management approach in the Cross Segment Electrification Team.

The project focus on actively contribute to the management activities, by experience in the field the degree of leadership and project management skills, defining activities and related planning.



## **MARKETING & PRODUCT STRATEGY**

Support the European Vice President Business Transformation and Product Strategy of a Chemical company..

The main activity focused on analysing of the landscape at EU level of the main Business support processes and reassessing all business processes for further streamlining and rationalization.



## **MANAGEMENT INNOVATION & R&D**

Supporting the governance model of the innovation initiatives implemented by the company in the energy sector.

The main activities focused on supporting the startup / scaleup preselection by contributing to the systematization of the evaluation criteria. Further also the coordination and support for the implementation of PoCs with startups / scaleups.

# Alumni network



AIRBUS



+3500



SIEMENS



## Alumni Events during the year

**February:** Skiing & Leadership Event CDI Italia Mountains, +80 Alumni CDI Italia

**May:** CDI International Alumni Convention Germany, +50 Alumni CDI Italia, +150 from Europe

**September:** Statutory Meeting CDI Italia Various, +80 Alumni CDI Italia

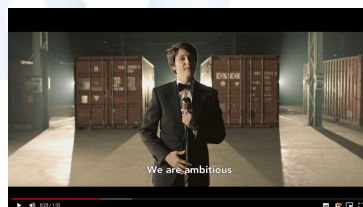
**November:** Nova - MBA Association of Italian Abroad US/UK, +30 Alumni CDI Italia

Plus monthly meetings in Turin, Milan, Rome, London, etc. Dedicated online Platforms, Webinars [and Groups](#)



CDI ITALIA

Play our videos online:



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