



# Innovation 4 Change

Young Talents | Global Challenges | Emerging Tech

Knowledge partner



Story design partner

**SCUOLA HOLDEN**  
CONTEMPORARY HUMANITIES

**3** GOOD HEALTH  
AND WELL-BEING



**1** NO  
POVERTY



**7** AFFORDABLE AND  
CLEAN ENERGY



**14** LIFE  
BELOW WATER



**5** GENDER  
EQUALITY



**10** REDUCED  
INEQUALITIES



**6** CLEAN WATER  
AND SANITATION



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**4** QUALITY  
EDUCATION



# In a Nutshell

Innovation 4 Change was born in 2016 from a collaboration between CERN Ideasquare, College des Ingenieurs Italia and Politecnico di Torino to bring together the expertise towards the common goals of **empowering the future change makers to have a positive global impact.**

During I4C **interdisciplinary teams** of young MBA fellows and PhDs develop scalable business ideas and innovative solutions to **respond to global challenges.**

Every year, the **challenges are aligned with the UN Sustainable Development Goals** and are **launched by companies & institutions** that join I4C as SDG partners.

**Innovation 4 Change is one of the major impact innovation programs in Italy**



where impact

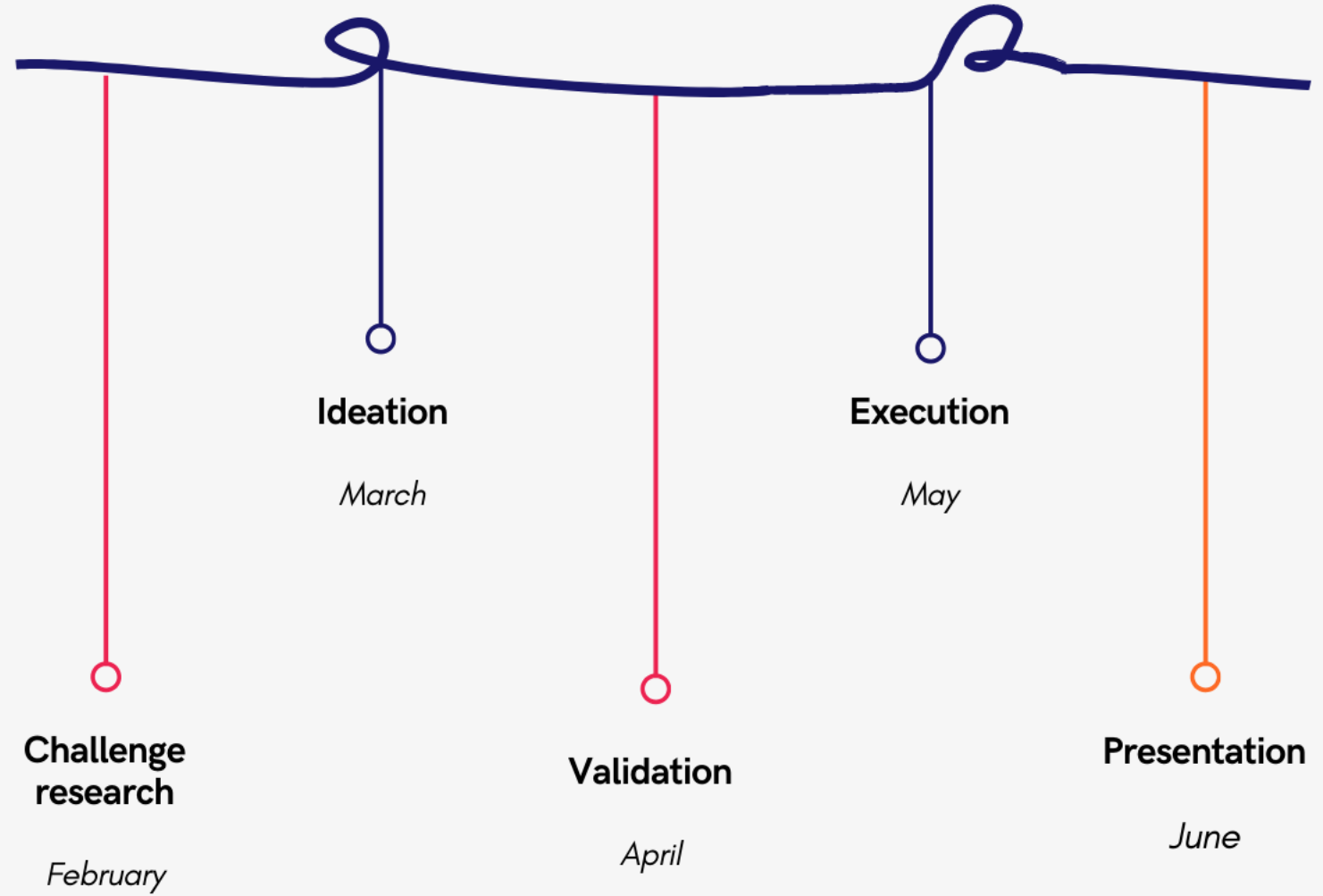
innovation thrives.

# Methodology & Schedule

The I4C teams develop an innovative and viable solution to solve a global challenge by following the unsteady path of innovation.

Throughout this **20 weeks program** the I4C teams combine **design thinking** and **lean startup methodologies** while always keeping a **customer-centric mindset**.

At the end of the five months, the demo day takes place. During this occasion the teams present their solutions in front of a jury of investors and experts from the technological and industrial sectors.



# Key Learnings throughout the years



## Multidisciplinary teams are key to innovation

*Sharing different views, opinions, interests, and experiences is fundamental to guarantee great learning achievements among individuals.*



## Soft skills are an important aspect of any teamwork

*Soft skills must be applied to guarantee positive team dynamics.*



## Engineers like boxes

*The 90% of our students are engineers (with different backgrounds & specializations) and they struggle when working out of their comfort zone!*



## A dedicated mentor for each team is of great help

*Team mentor support the teams to handle the chaotic moments of the innovation path guaranteeing that the key deliverables of the program are going to be met.*



## Ideasquare is the best place to find inspiration

*While being at Ideasquare the students not only find the perfect inspirational environment to develop their ideas but have also the chance to meet innovators & scientists.*

# COVID Edition



Lack of collaboration between different teams.



Prototyping while being distant is a huge challenge!



Time & schedules of online workshops must be carefully managed.

# Key Challenges



How to bring technology at the core of I4C?



How to make our partners perceive the value of I4C and guarantee the economic sustainability of the program?



How to extend the program to a wider pool of fellows without affecting its quality?



How to increase multidisciplinary?

# What is the impact of I4C on our students?

Politecnico di Torino is developing a research project on **How Entrepreneurial Human Capital has changed in PhD Students that took part in I4C.**

This study aims to deepen what has already been investigated in the literature on **the effect of entrepreneurial programs on the entrepreneurial human capital**, focusing on **students of PhD programs in the technical field.**

## Daniele Massella, I4C 2017

*"The experience of I4C revolutionized the way I work. Thanks to the programme, I learned to **research the needs of our society and effectively apply my skills to propose innovative solutions.** The skills acquired during I4C allowed me to win two awards by the Italian Chemical Society and Elsevier and the Ermenegildo Zegna Founder Scholarship."*



## Zeynep Tulumen, I4C 2019

*"I4C has been one of the most relevant experiences for my PhD career development. It gave me the possibility to work on the innovation project SpectrumLab, first at CERN and later in the WamdaX acceleration programme in Dubai. Due to these experiences, now **I am a proactive member of my team for applying for research grants.** Moreover, I had the chance to publish in CERN Innovation Journal, thus broadening my research portfolio beyond my core topics!"*





## A quote from our CEO



**Silvia  
Petocchi**

CEO, CDI Italia

*'What I really find exciting about I4C is that it's the result of continuous collaboration among different players: CERN, Universities & Schools, young talents, companies & institutions. We keep learning from each other and improving the program. It confirms to me that innovation derives from the meeting of different approaches, perspectives and needs.'*

## The ecosystem of I4C\*



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**autostrade** // per l'Italia

Scuola Italiana  
di Ospitalità | cdp  
TI



Not exhaustive\*

*Thank you for  
listening!*

**And thanks to the team at  
CERN Ideasquare for  
organizing these 2 days of  
collaborative workshops!**

