



# YML Main Event

21 October 2021

WM Week - Villa Erba, Cernobbio

# The Young Manufacturing Leaders Network

Prof. Marco Taisch

YML Main Event  
Cernobbio - 21 October 2021

# The Young Manufacturing Leader Network

The international network of Young Manufacturing Leaders aimed at:

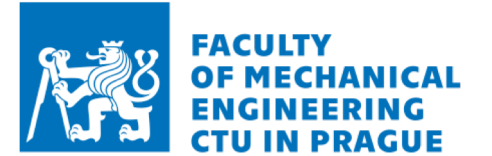


- **spreading awareness** about the importance of advanced and sustainable manufacturing
  - **engaging and connecting** young people with key players and opportunities in manufacturing
  - **empowering** them to be **change-makers** and contribute to the sustainable development of industry and society
- at both local and global level

# Partners to 2020

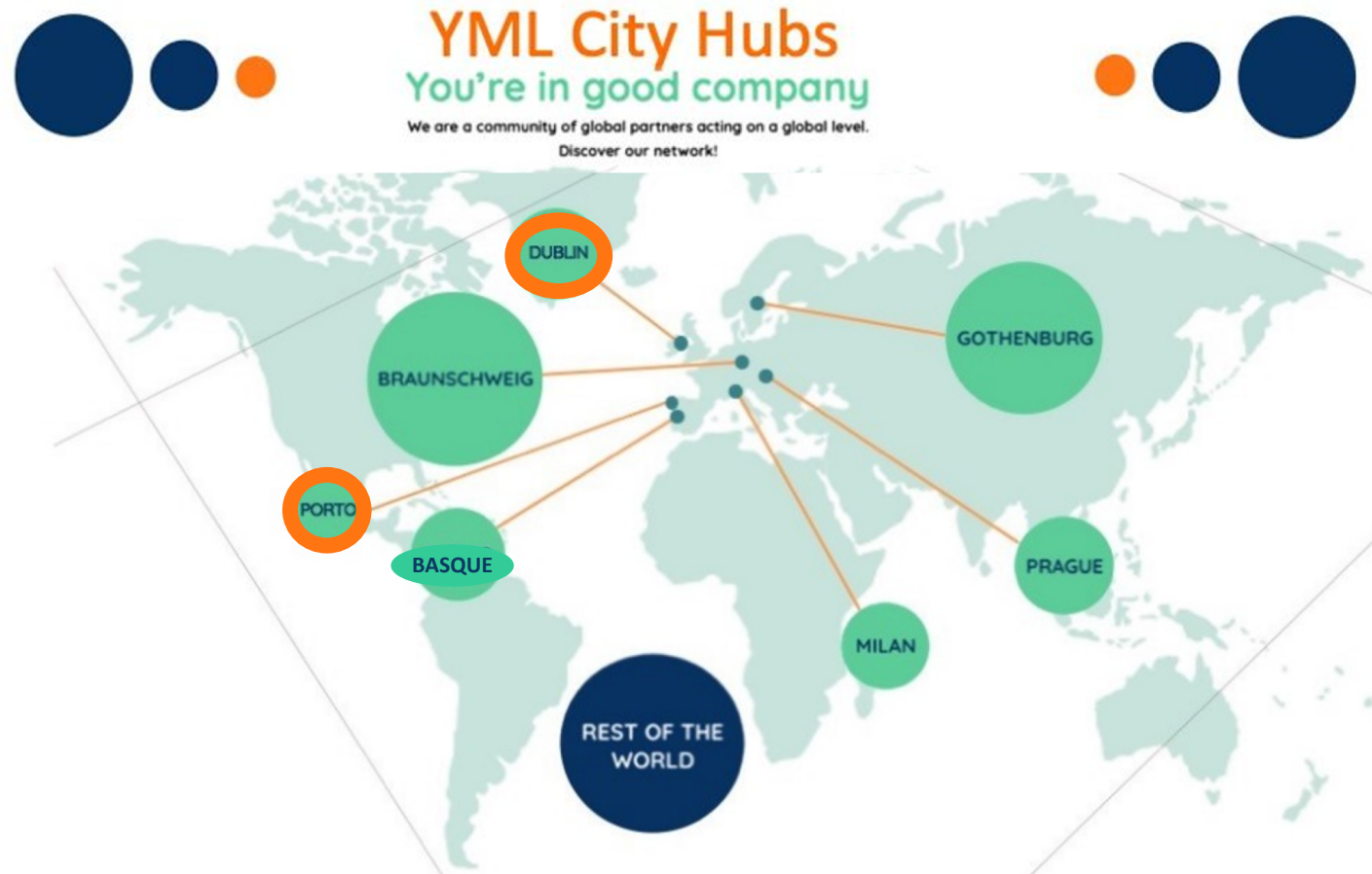


**POLITECNICO**  
MILANO 1863

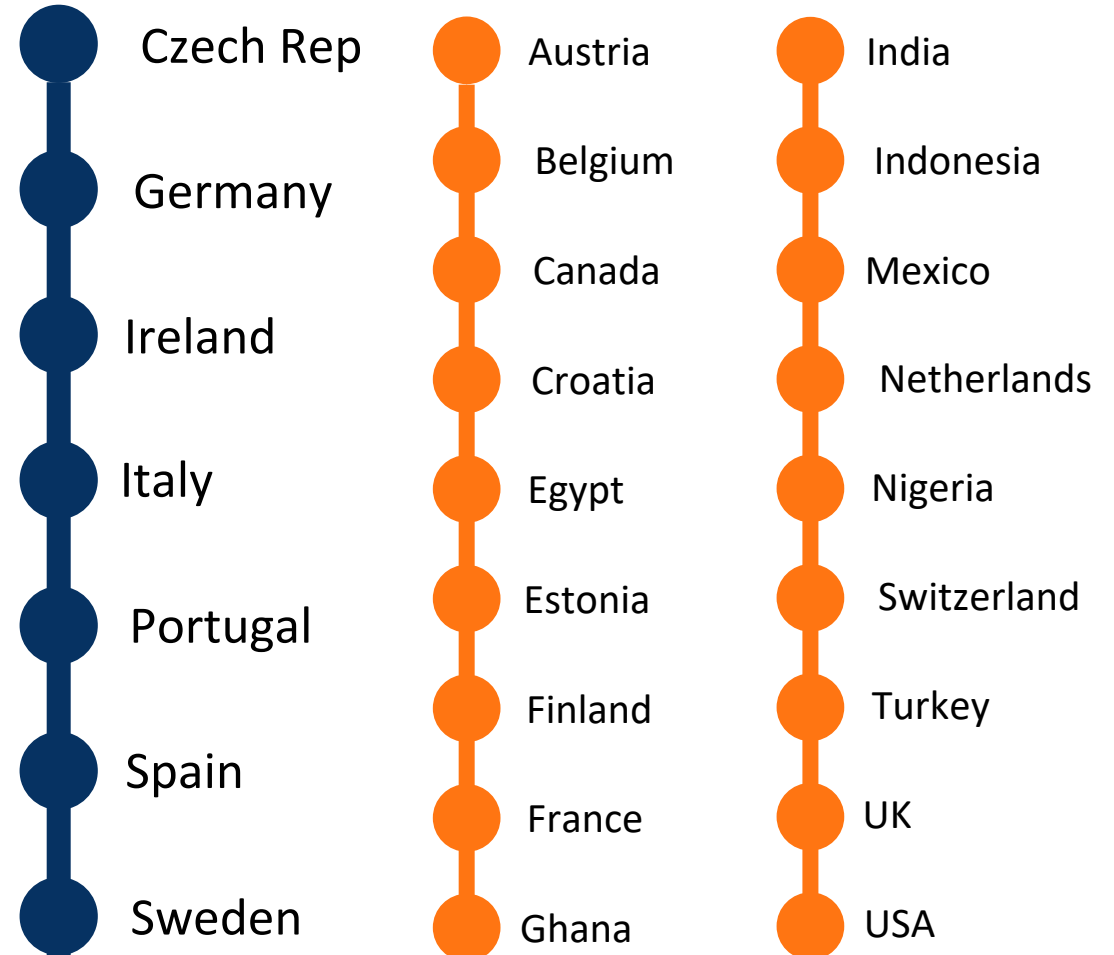
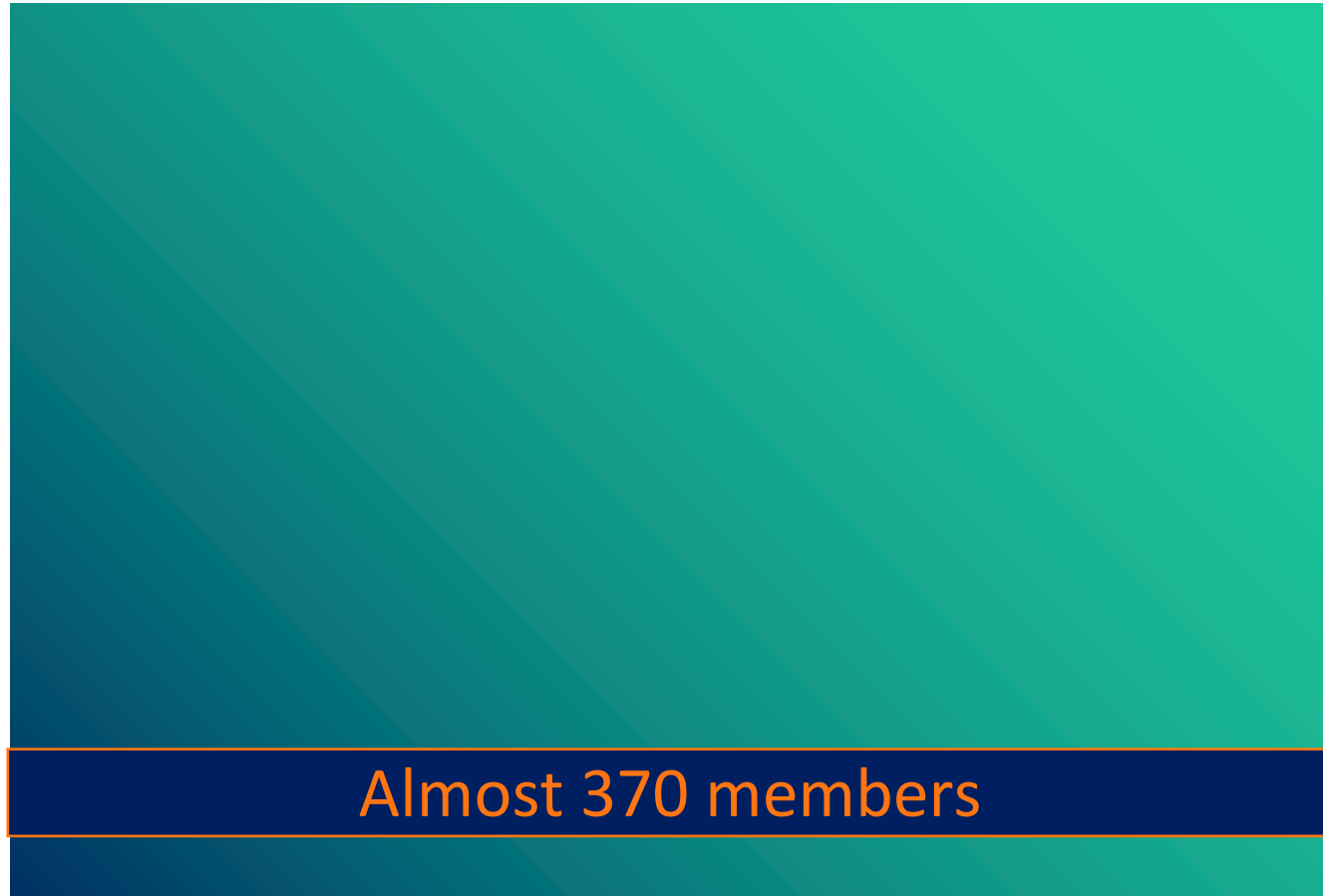


# The YML City Hubs

Besides the promoting Partners, YML network is currently composed of 7 local City Hubs based in Europe. The City Hubs are run by members of the network in collaboration with project partners and other stakeholders.



# The growing YML community



# Young Manufacturing Leaders



Students (64%)

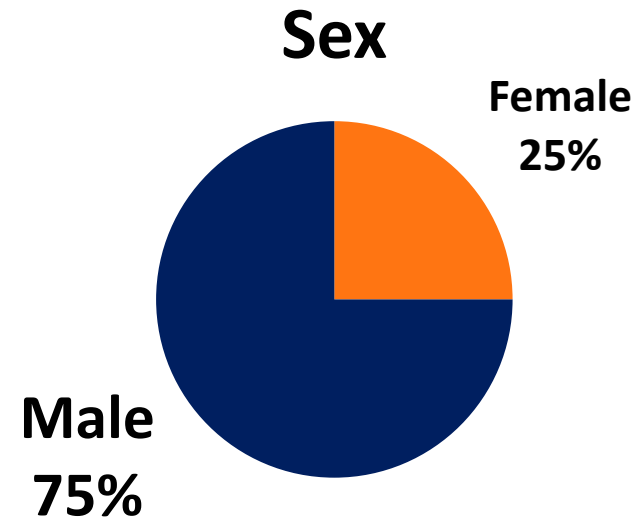
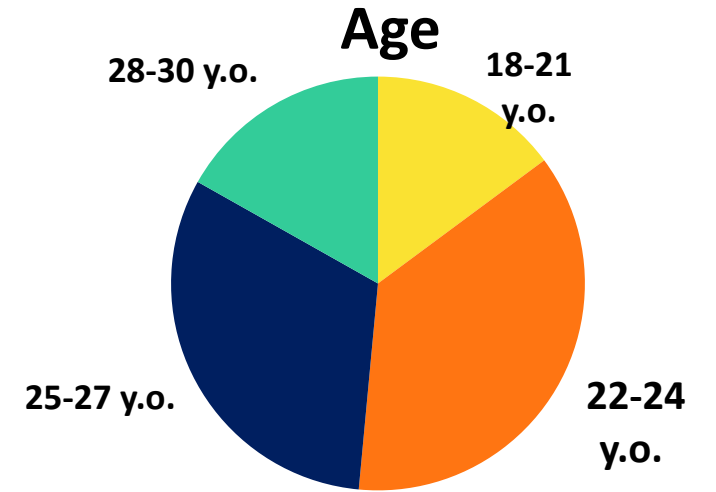


Professionals (26.5%)



PhD (7.5%)

Other (<2%) ● ● ●



# YML Main Topics

INNOVATION AND  
ENTREPRENEURSH



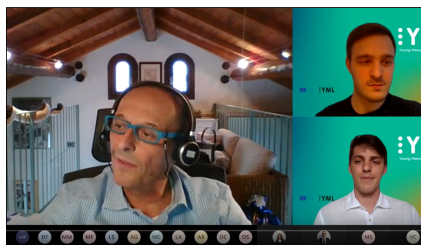
EQUALITY, DIVERSITY  
AND INCLUSION

DIGITALIZATION

**:YML**



# YML City Hubs' local activities in 2021



# YML international activities in 2021

## Learning Materials Equality, diversity and inclusion toolkit



## Back to the Future Focus Groups



### Women in Manufacturing

Led by Cristina Oyos, SRFI Group - Baque Government

### Globalisation in Manufacturing: Redesigning Supply Chains

Led by Giuseppe Livadi, ChemChina

### National and Regional Perspectives - Stimulus to the Pandemic

Led by Cinzia Guolo, InterDigital

### Trend Driven Innovation in Manufacturing

Led by Fernando Alberti & Fabrice Berthel, UAC Università Cattaneo

### Challenges and Opportunities for Manufacturing SMEs in Developing Countries

Led by Felipe Lechuga, Lemaco

### Modular Microfactories

Led by Randy Zakra, Integris

### The Evolving Role of Competence Centres for Long Term Resilience in Manufacturing

Led by Eke Erdem, MESS Türkiye Metal Sanayicileri Sendikası (YerliYolcu)

### AI as an Enabler for Long Term Resilience in Manufacturing

Led by Erwin Rauch, Free University of Bozen Bolzano

### Young Entrepreneurs in the New Era of Sustainability and Digitalisation

Led by Giorgio Nuvoli, La Tecnopoli di F.O.M., Gruppo Gioventù Imprenditori Varese

### Industrial Smart Working

Led by Gregory Mochiz, Clemson University

## YML Global Contest on Digitally enabled Circular Manufacturing



21 OCTOBER 2021

World Manufacturing Report

Digitally Enabled  
Circular Manufacturing

## YML Innovation Contest on 3D printing



# Today Program

**10:00 - 10:05 - Welcome - Marco Taisch**, Professor of Digital and Sustainable Manufacturing at Politecnico di Milano and Scientific Chairman of the World Manufacturing Forum

**10:05 - 10:10 – Greetings from EIT Manufacturing - Paola Fantini**, Director of Education, EIT Manufacturing

**10:10 - 10:15 – The YML Network - Marco Taisch**, Professor at Politecnico di Milano and Scientific Chairman of the World Manufacturing Forum

**10:15 - 10:25 – Keynote: *Young Entrepreneurship and Innovation* - Giorgia Munari**, President of Gruppo Giovani Imprenditori dell'Unione degli Industriali della Provincia di Varese

**10:25 - 11:00 – Roundtable: *YMLs as Innovators***

**Alessio Fino**, Bachelor's Degree Student, Politecnico di Torino

**Felix Ferik**, Master's Degree Student, Technical University Braunschweig

**Andrew Dickinson**, Principal Investigator & Research Engineer, University College Dublin

**Jacopo Farina**, Strategic Partnerships Expert, Vodafone Business Italy

**11:00 - 11:10 - Awarding - YML Innovation Contest on 3D Printing**

**11:10 - 11:30 – Keynote: *Gender equality, diversity and inclusion in Manufacturing* - Carlotta Dainese**, Digital Strategy & Innovation Lab Director, Prysmian Group

**11:30 - 12:00 – Roundtable: *Young Women in Manufacturing***

**Greta Braun**, PhD student, Chalmers University of Technology

**Ludmila Růžičková**, PhD student, Czech Technical University in Prague

**Elena Fernández Calvo**, Bachelor's Degree Student, IMH University

**Leonor Ramos do Bem Cónego**, Research fellow, Faculty of Engineering of University of Porto

**12:00 - 12:15 - Awarding - YML Contest for the 2021 WM Report**

**12:15 - 12:20 - Closing**

# Thanks to ...



Marta Pinzone



Marco Spaltini



Marisa Marini



Giulia Dimonopoli



Libor Beránek



Bastian Thiede



Melitta Dér



Xabier Uriarte



Anders Skoogh



Gil Gonçalves



Artur Freitas Gonçalves



Pedro Senna



Monika Ezenarro



Iker Gallardo  
Arrieta



Denis Dowling



Sylvia Letham



Matthew Holloway

# A special «thank you» to ...

All YML City Hubs' core teams for their commitment and dedication, and YML network partners for their contributions and support

## MILAN

Politecnico di Milano



## GOTHENBURG

Chalmers University of Technology



## BASQUE COUNTRY

Tecnalia - IMH



## DUBLIN

University College Dublin



## PRAGUE

Czech Technical University in Prague



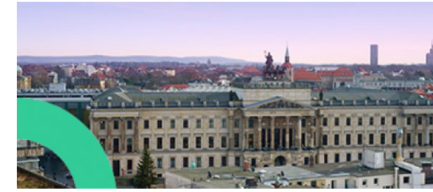
## PORTO

University of Porto



## BRAUNSCHWEIG

Technische Universität Braunschweig





If you are between 18 and 30 years old, join the YML Network [here!](#)

For more information about the network and for knowing more on how to support and create new local City Hubs, please contact [info@youngmanufacturingleaders.com](mailto:info@youngmanufacturingleaders.com)





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# EIT Manufacturing

YML Main Event

@World Manufacturing Week

Cernobbio, 21.10.2021

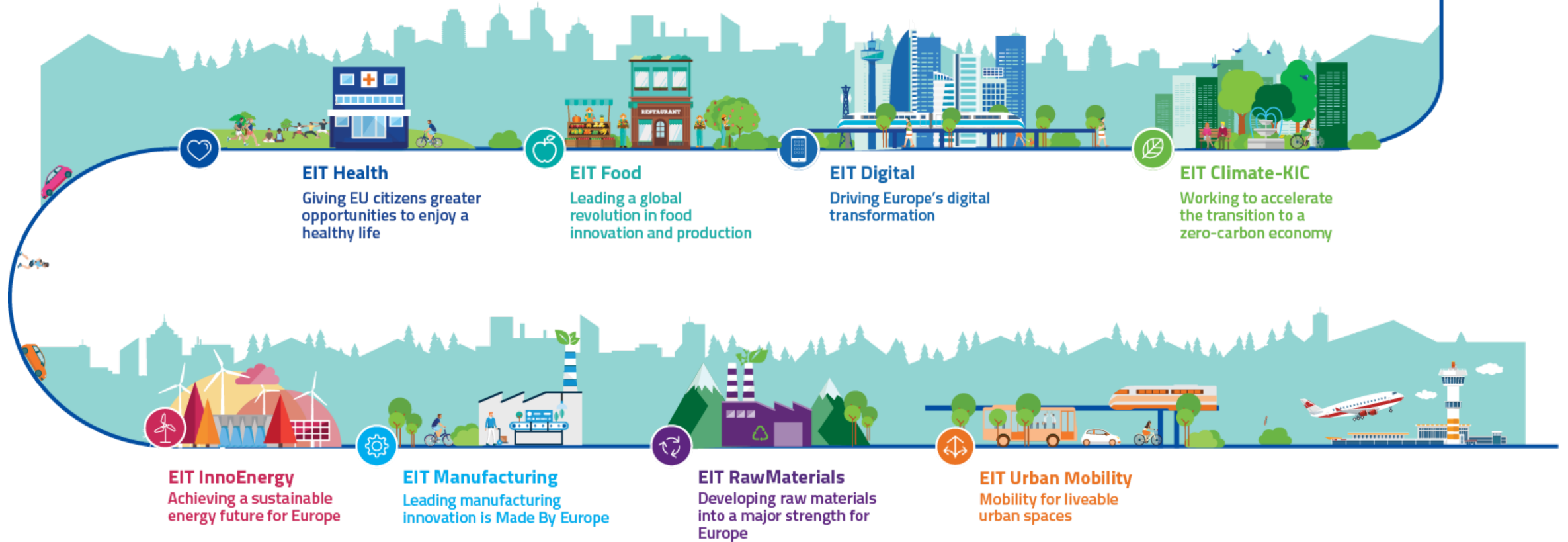


Co-funded by the  
European Union



[Paola.Fantini@eitmanufacturing.eu](mailto:Paola.Fantini@eitmanufacturing.eu)

# EIT INNOVATION COMMUNITIES



# Powerful partnership: 67 partners from 17 countries



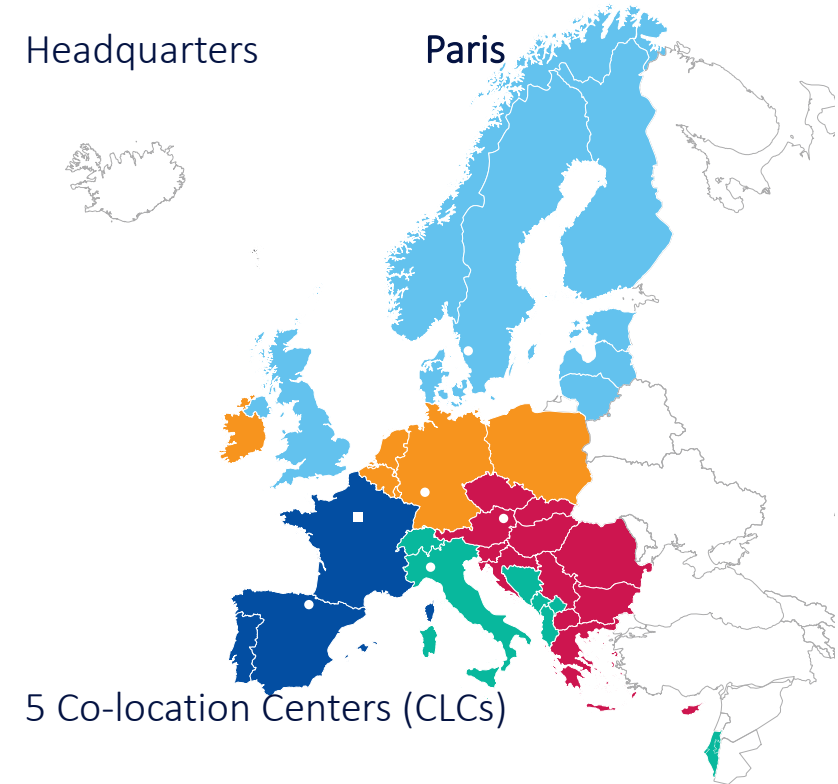
As of April 2021

Legal Entity

France

Headquarters

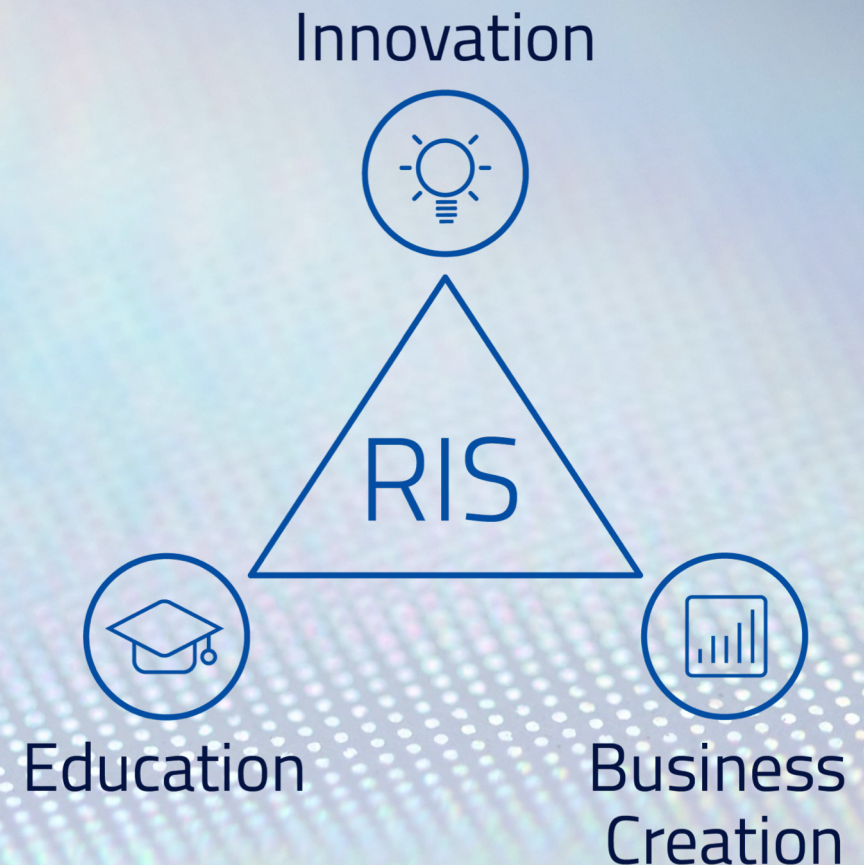
Paris



- San Sebastian Spain
- Gothenburg Sweden
- Darmstadt Germany
- Milan Italy
- Vienna Austria

# The strength of EIT Manufacturing

To ensure that innovations reach the market, industry has the right talent and entrepreneurs can thrive, EIT Manufacturing connects and integrates the areas of education, innovation and business creation and the Regional Innovation Scheme (RIS).



# Education: Connecting people with competences



## Goals by 2027

- 30,000 individuals educated, upskilled and reskilled
- 10,000 women empowered towards a career in manufacturing
- 2,000 EIT-labelled Master and PhD graduates

## Achievements

- Pan-European networks of 21 teaching & learning factories
- Young Manufacturing Leaders
- Skills.Move, manufacturing digital learning platform (500+ digital units)
- 4 EIT-Labelled Master and 1 PhD programme

# Thank you!



[Paola.Fantini@eitmanufacturing.eu](mailto:Paola.Fantini@eitmanufacturing.eu)



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# YOUNG ENTREPRENEURS IN THE NEW ERA OF SUSTAINABILITY AND DIGITALIZATION

## TRANSFORMING YOUNGERS' ENTREPRENEURIAL SPIRITS INTO A SOLID ORGANIZATIONAL CULTURE FOR RENEWAL

In a disruptive and unpredictable setting, **young entrepreneurs can represent a strong and precious resource of resilience**, capable of favoring not only the recovery of global manufacturing, but also the reshaping of its conventions and culture.

### *TWO KEY QUESTIONS ADDRESSED*

- How can young entrepreneurs thrive by using their innate characteristics such as willingness to change, curiosity and competences on digitalization and sustainability?
- How can they transform such forces in an institutionalized and organizational culture capable of impacting the long-term resilience of manufacturing?



WORLD  
MANUFACTURING  
FOUNDATION



Giovani Imprenditori  
Unione degli Industriali  
della Provincia di Varese

# CONTEXT

A more-than-ever “balkanized” international scenario

New and disruptive technologies arise

Sustainability is a key success factor of resilience and transformation of manufacturing

Strong and unprecedented fiscal policies: American Rescue Plan, Next-Generation EU

The stance towards digitalization

The stance towards sustainability

Disruptive willingness towards change and action of younger generations:

- growth and stabilization of start-ups
- renewal and nourishment of inherited existing companies / generational change



# RECOMMENDATIONS

## ENTERPRISE

- 1. Interdisciplinarity (“hard” and “soft”) is the key for a consistent and enduring entrepreneurial culture, along with upskilling/reskilling*
- 2. Importance of mission/vision, market strategy and “storytelling” in innovation and sustainability*
- 3. Conceiving sustainability and technology as linked*

## ECOSYSTEM

- 4. Positive contamination between start-ups and mature companies is necessary to bridge the weaknesses of one with the strengths of the other*
- 5. Empowering new channels of communication and networking for young entrepreneurs to favor common actions of collaboration on new investments/start-ups, along with “servitization”*

## ADVOCACY

- 6. Favoring the involvement of entrepreneurial organizations to facilitate solidity of young enterprises*
- 7. Bridging a dialogue with international and national public policy actors that aims at reducing excessive interventionism and favors meaningful positive public-private collaborations and access to foreign markets*





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