

# 63rd Council Meeting of ESTIEM

Seville, Spain, 11 November 2021



Giovanni Mummolo

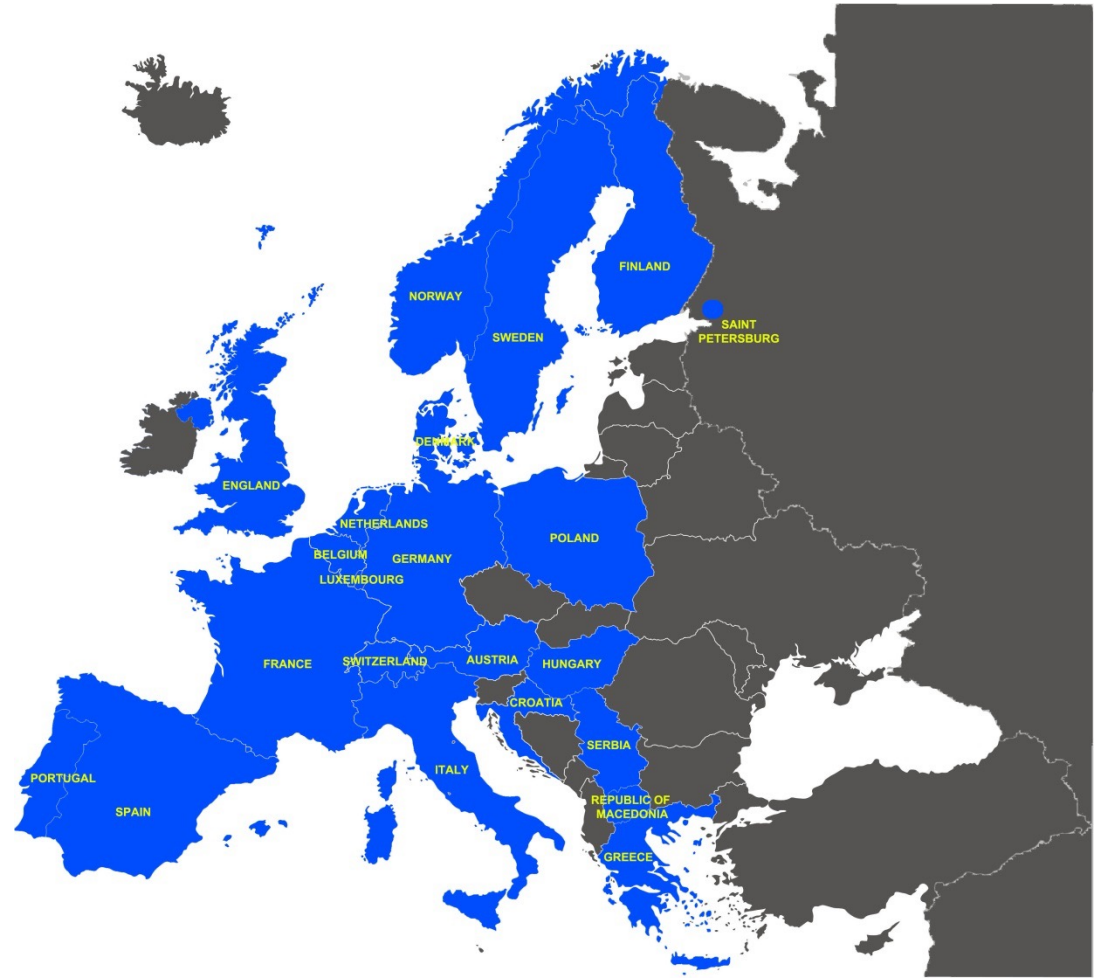
Professor of Industrial Engineering and Management - University of Bari

President of the European Academy for Industrial Management (<https://europe-aim.eu>)

# The European Academy for Industrial Management - AIM (<https://europe-aim.eu>) (No profit Organization founded in 1987)

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AIM President  
University of Bari



**Map of 27 European Countries represented in AIM**

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# The European Academy for Industrial Management

## ► **VISION: Higher Education and Networking**

*AIM pursues to be the leading European Academy developing and promoting education and research in the field of Industrial Engineering and Management (IE&M).*

*As such it endeavours to gather full professors in this field from all corners of the European Higher Education Area (EHEA).*

**IE&M education** is promoted by classical and modern approaches including problem solving, case study as well as **co-creative education**. Active learning, instead of teaching, is the preferred point of view of AIM.

## ► **NETWORKING**

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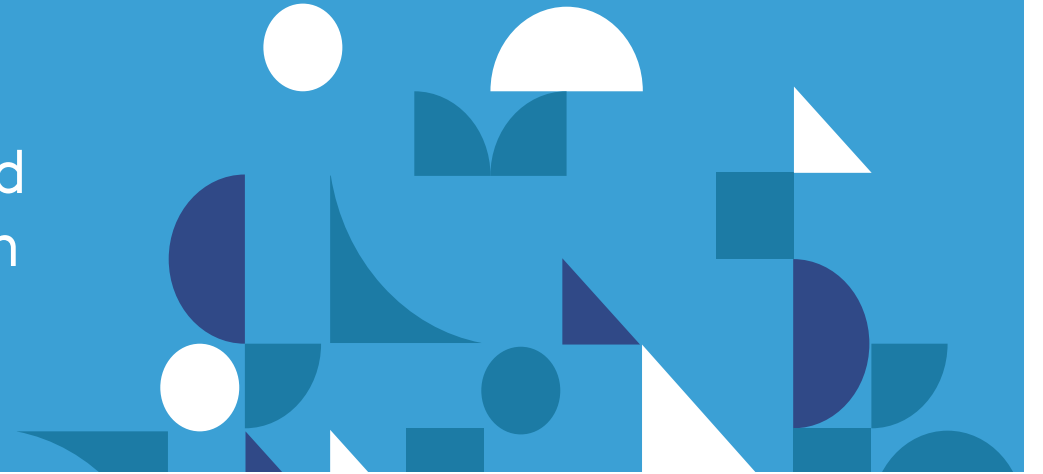
<http://www.europe-aim.eu/>

## ► NETWORKING

- **European Students of Industrial Engineering and Management (ESTIEM – 2018)**
- **The Institute of Industrial and System Engineering (IISE – 2015)**
- **Associação Brasileira de Engenharia de Produção (ABEPRO - 2014)**



Industrial Engineering and  
Management of European  
Higher Education



## *Project Purpose*

*Contribute to Innovate European Higher Education in  
Industrial Engineering and Management by a  
University - Industry cooperation*

Giovanni Mummolo  
<https://ie3.eu/the-project/>

# Consortium Members

Erasmus Plus IE3



Erasmus+

AGENZIA  
NAZIONALE  
INDIRE

Project Project number – 612402-EPP-1-2019-1-IT-EPPKA2-KA

## ► Academic Partners



Polytechnic  
University  
of Bari



Linköping  
University



Universidad  
Politecnica  
de Madrid



Poznan  
University of  
Technology



University  
of Bari

## ► Company Partners



Tecnologie  
Diesel spa



Implema



Arruti  
Catenaria



Alco-Mot

## ► Technical Partners



ValueDo srl



Infotech

## ► Associated Partners



AIM



ESTIEM



Asociacion  
Madrid Network



Item Oxygen srl

## Priority Actions for Renewal of Higher Education in IE&M

### Promoting new forms of teaching and learning

- Online education works even though university should be in presence.
- Pandemic empowered and accelerated the renewal process of higher education in IE&M offer by synchronous education activities by IT platform.
- **Gamification modules** in teaching / learning and **Online labs** are good ways of teaching and learning. Gamification is consistent with new IT platform.
- **Leaving labs** is another option to be considered to empower teaching and learning. Practical view to develop new forms of teaching and learning.
- Co-learning and be flexible University-Industry teaching cooperation is a solution to be resilient.
- Universities should react quickly to market needs. Cooperation between Universities and Alumni should be empowered. Increase the presence of Industry in the board of Universities.

### Meeting the demands of the changing labour market

- Companies are aware of the importance of soft skills. Students are not aware of it.
- Universities have to open, build bridge involving companies.
- Positive role of Industry professors within Universities.
- Entrepreneurial mindset. Companies can support Value base and sustainable entrepreneurial innovation as well as help developing entrepreneurial attitudes among the students and young researchers.
- University/Companies have to adopt push/pull strategies to exchange knowledge in both ways.
- The missing ring in the landscape of EU programs is a University-Industry partnership formalized in a legal entity incentivized by EC and EU governs to enable a strong and continuous in time joint and resilient action.