

# DOMENICO MECCA

ENVIRONMENTAL ENGINEER  
PH.D. STUDENT



## MAIN EXPERTISES

- Circular Economy and Sustainability Management
- Climate Change and Air Pollution modelling
- Health and Safety in the workplace

## DIGITAL SKILLS

- PROGRAMMING LANGUAGES  
Python, R, C, Matlab, Stata
- CAD SOFTWARE  
Autocad, SolidWorks
- MAPPING SOFTWARE  
ArcGis, QGis, Surfer
- OFFICE  
Microsoft Office 365, Latex

## LANGUAGE SKILLS

- ITALIAN  
Mother tongue
- ENGLISH (Ielts Certification B2)  
Listening B2 Reading B2 Writing B2 Spoken B2
- FRENCH  
Listening B1 Reading B1 Writing A1 Spoken A1

## EDUCATION

### Ph.D. in Management - Innovation, Sustainability and Healthcare

*Sant'Anna School of Advanced Studies, Pisa | Oct 2021 - Current*

- Development of assessment tools for Circular Economy in corporates and production chains.
- Evaluation of the Italian manufacturing firms commitment toward circular production and action for climate change adaptation and mitigation.

### Master's Degree in Environmental and Land Engineering

*Politecnico di Torino | Oct 2018 - Nov 2020*

- Final grade: 110/110 magna cum laude
- Thesis title: Airborne Particulate and cc-Green-Roof: development of management and processing tool for the database of urban acquisition.

### Bachelors's Degree in Environmental and Land Engineering

*Politecnico di Torino | Oct 2015 - Sep 2018*

- Final grade: 102/110
- Thesis title: Mitigation of CO2 emission: the technological process of Carbon Capture and Storage.

## WORK EXPERIENCE

### Research fellow

*Politecnico di Torino | Gen 2021 - Oct 2021*

- Assessment of the main environmental pollutants in living and working environment, focusing on airborne particulate and noise.
- Updating RAI S.p.a. DVR (ex. art. 28 D.Lgs 81/08) on the risks of noise and repeated movements for orchestra members.
- Updating SMAT S.p.a. DVR (ex. art. 28 D.Lgs 81/08) on the biological and physical risks of workers.

### Junior Environmental Engineer

*Techgea S.r.l | Oct 2019 - Dec 2019*

- Stage - Managed data acquisition campaigns with geophysical survey methodologies.

## OTHER SKILLS

- Able to operate as Safety Design Coordinator (CSP) and Safety Coordinator for Execution (CSE) ex art.98 D.Lgs 81/08 and s.m.i
- Qualification to practice the environmental engineer profession (A Section)
- Driver License B

## CONTACTS



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<https://www.linkedin.com/in/meccadomenico/>



## OTHER ACADEMIC ACTIVITIES

### Cesm Summer School

*Sant'Anna School | Oct 2021*

40 hours summer school on circular economy and environmental management in firms.

### Co-founder of A.k.a.Noah Team

*Politecnico di Torino | Oct 2019 - Current*

Team Coordinator for the design of a floating collection system for the plastic removal from the urban stretch of Po river in Turin.

### Member of College of the Study Course in Environmental and Land Engineering

*Politecnico di Torino | May 2017 - Nov 2020*

- Cyclical review report on Bachelor's and Master's courses 2019-2022
- Update of the single annual form (SUA-PdS) of the master's and bachelor's degree program
- Annual review of the teaching evaluation of the Joint Teaching Committee (CPD)

### Member of DIATI Department Council

*Environmental, Land and Infrastructure Engineering Department, Politecnico di Torino | May 2017 - Nov 2020*

- Strategic department Plan - Polito4Impact 2020-2023.
- Organization of the annual "Time4Job" event.

## PUBLICATIONS

- Mecca, D.; Boanini, C; Vaccaro, V; Clerico, M. Three years assessment of PM1, PM2.5 and PM10 in Turin (Po Valley): spatiotemporal distribution and source direction apportionment. Science of the Total Environment. *[Under review process]*
- Boanini, C.; Mecca, D.; Pognant, F.; Bo, M.; Clerico, M. Integrated Mobile Laboratory for Air Pollution Assessment: Literature Review and cc-TrAIRer Design. Atmosphere 2021, 12, 1004. <https://doi.org/10.3390/atmos12081004>