

DOMENICO MECCA

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

-
-
-

CONTACTS



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>