

DOMENICO MECCA

ENVIRONMENTAL ENGINEER
PH.D. CANDIDATE

MAIN EXPERTISES

- Circular Economy
- Climate Change adaptation and mitigation strategies
- Sustainability management in corporates
- Supply Chain management

DIGITAL SKILLS

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

LANGUAGE SKILLS

- ITALIAN
Mother tongue
- ENGLISH
C1

EDUCATION

Ph.D. in Innovation and Sustainability Management

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

- Development of a taxonomy for Circular Economy and Sustainability assessment in corporates and supply chains.
- Sustainability and Innovation management in corporates and Supply Chains (Environmental management system, LCA, Reporting).

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 a processing tool for the urban data acquisition.

Bachelors's Degree in Environmental and Land Engineering

Politecnico di Torino | Oct 2015 - Sep 2018

- Final grade: 102/110
- Thesis title: Mitigation of carbon dioxide emissions: the technological process of Carbon Capture and Storage.

PROJECTS

Trick - H2020 project, GA N° 958352

Sant'Anna School | Feb 2022 - Current

- *Project Aim:* Product data traceability from cradle to cradle by blockchains interoperability and sustainability service marketplace.
- *Involvement:* Design and implementation of a circularity and traceability service for Textile and Food supply chains.

SCelta 2022

CONAI - Sant'Anna School | Mar 2022 - Current

- *Project aim:* To develop circular economy and sustainability leaving on corporate strategies and business models.
- *Involvement:* Evaluate the Italian manufacturing firms commitment toward sustainable production and strategies for climate change adaptation and mitigation. (Survey design and administration; descriptive and inferential data analysis)

Circular Value Chains

Confindustria Firenze - Sant'Anna School | Jan 2022 - Current

- *Project aim:* Dissemination of Circular Economy Principles and measurement of circularity within the production chains.
- *Involvement:* Creation of a tool for measuring the circular economy innovation in value chains.

UNI/TS 11820

Italian Standard. Institution (UNI) - Sant'Anna School | Jan - Nov 2022

- *Writing of Technical Directive UNI/TS 11820:* "Methods and indicators for measuring circular processes in organizations."

CONTACTS



Turin, Italy



+39 329 3358128



ing.domenicomecca@gmail.com
domenico.mecca@santannapisa.it



domenicomecca96



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

WORK EXPERIENCE

LCA and Circular Economy Consultant

Ergo S.r.l | Oct 2022 - Current

- Analysis of the environmental impact of products or processes through LCA and carbon footprint analysis. Recommendations for sustainability improvements.

Research fellow

Politecnico di Torino - cc_lab@polito | Jan 2021 - Oct 2021

- Assessment of the environmental and air pollutants in the Turin urban context and Po Valley.
- Updating of SMAT S.p.a. risk assessment document about the biological and physical risks of workers.

CONFERENCES

- Mecca, D.; Gusmerotti N.M.; Corsini, F.; Frey, M.; Cerruti, C. (2023). The systemic transition of value chains to the circular economy: a co-created measurement framework to link research and practice. 30th EurOMA Conference. - *July 2023*.
- Gusmerotti N.M.; Mecca, D.; Corsini, F.; Frey, M.; Cerruti, C. (2023). Bringing down the research-practice gap: a measurement framework to boost the circular transition of Value Chains. 23rd European Academy of Management Conference - *June 2023*
- Gusmerotti N.M.; Mecca, D.; Corsini, F.; Testa, F.; Irlando, F. (2023). The contribution of demand and supply for the circular transition: a comparison analysis. Sinergie-SIMA Management Conference. Bari University (Italy) - *June 2023*
- Mecca, D.; Tosi, D.; Tolin, G. (2022). Environmental SDGs and innovation: a goal setting theory perspective at company level. Sinergie-SIMA Management Conference. Bocconi University of Milan (Italy)

OTHER ACADEMIC ACTIVITIES

COP27 Delegate

Italian Ministry for the Environment, land and sea | Nov 2022

Observer of the Article 6 negotiation at UNFCCC COP27 in Sharm el-Sheikh

CESM Summer School

Sant'Anna School | Oct 2021

40 hours summer school on circular economy and sustainability 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 system for the microplastics analysis in the Po river in Turin.

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

Politecnico di Torino | May 2017 - Nov 2020

Member of DIATI Department Council

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