

Antonio Barchi

Ph.D. candidate at Politecnico di Torino



<https://antoniobarchi.github.io/>

antonio.barchi@polito.it

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DOCTORAL RESEARCH

Carbon credits markets, green technologies, eco-innovations and circular economy. Biofuels market and green transition in the transport sector. Competition and industrial economics.

I mainly deal with topics of environmental microeconomics. In particular, I research on economics of innovation and industrial economics themes. The core areas of my investigation include eco-innovation and the role of new technologies in steering the green transition, as well as markets for carbon credits and transition policies for carbon-intensive sectors. As a reference sector I am currently covering the air transport and the supply chain challenges it is facing to reduce net emissions by means of integration of sustainable aviation fuels. I am also working on carbon capture & storage technologies and their impacts on firms active in the oil and energy industries. I am interested in inequalities and social implications of green economic policies.

EDUCATION

JANUARY 2024 – JULY 2025

Visiting research fellowship

SUPERVISION: PROF. JOËLLE NOAILLY

Centre for International and Environmental Studies (CIES)

IHEID - Geneva Graduate Institute (Geneva, Switzerland)

2022 – 2025

Ph.D. Scientific, Technological and Social Methods Enabling Circular Economy

SUPERVISION: PROF. CARLO CAMBINI, CO-SUPERVISION: PROF. FRANCESCO QUATRARO

Department of Management and Production Engineering

Politecnico di Torino (Turin), Università di Padova (Padua), Italy

2021 – 2022

M.Sc. - Double Degree program in Economics

MENTION: DISTINCTION (15.22/20 GPA)

Economics School of Louvain

Université Catholique de Louvain (Louvain-La-Neuve, Belgium)

2020 – 2022

M.Sc. - Economics and Political Sciences

GRADE: 109/110

Economics, Management and Quantitative Methods

"La Statale" University (Milan, Italy)

2017 – 2020

B.Sc. Economics and Management for Arts, Culture and Communication

Economics and Management

Bocconi University (Milan, Italy)

WORK EXPERIENCE

FEBRUARY 2020 – AUGUST 2020

Bocconi University (ICRIOS)

Assistant Research Analyst - Intern

Co-author in chapter 1 and 6 of final published work: Giordano, F., Salvato, C., & Sangiovanni, E. (2021). Il carcere. Assetti istituzionali e organizzativi. EGEA. (with prefation cured by Marta Cartabia)

SEPTEMBER 2024 – DECEMBER 2024

Politecnico di Torino

Lecturer

Seminar in environmental economics and economics of sustainability

Last update: January 31, 2025.

COMPUTER SKILLS

BEGINNER	Matlab, HTML
INTERMEDIATE	L ^A T _E X, SQL (MySQL), Python (Pandas, Geopandas, NumPy, Matplotlib)
EXPERT	STATA, Microsoft Office

COMMUNICATION SKILLS

BASIC	French
FLUENT	English, Italian

PUBLICATIONS

Barchi & Rondi (2024). "Does carbon capture & storage mitigate carbon premium? Evidence from patents". *Working Paper*

Barchi & Rondi (2025). "Green and brown CCUS patents. Is the stock market color-blind?". *Working Paper*

Barchi (2024). "Government financing and innovation crowding-out in the EU CCS sector". *Working Paper*

Barchi & Rondi & Illich (2024). "Green transition and decarbonization projects: Are we doing enough?". *Working Paper*

CONFERENCES PRESENTATIONS

CONFERENCES	IIOC - <i>Boston, 2024</i> SIEPI - <i>Bergamo, 2024, Bologna, 2025</i> EARIE - <i>Amsterdam, 2024</i>
SUMMER SCHOOL	"Sustainable finance and entrepreneurship for the transition to a green economy", <i>Bologna, 2024</i> "Industrial Economics and Industrial Policy - SIEPI Summer School", <i>Bertinoro, 2024</i>