

FRANCESCO GRANELLA

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POSITIONS & AFFILIATIONS

RFF-CMCC European Institute on Economics and the Environment Postdoctoral fellow	Sep 2022 – Present Milan, Italy
University of California, Davis Visiting Scholar, Frances Moore's lab	2021 – 2022 Davis, CA, USA
RFF-CMCC European Institute on Economics and the Environment Post-Degree Junior Researcher	Jul 2018 – Aug 2022 Milan, Italy
COVID Crisis Lab, Bocconi University Affiliated student	2020– Present Milan, Italy
GREEN Research Center, Bocconi University Affiliated student	2018– Present Milan, Italy
Fondazione Eni Enrico Mattei Post-Degree Junior Researcher	Oct 2016 – Jul 2018 Milan, Italy

EDUCATION

Bocconi University PhD in Public Policy & Administration	2017 – 2023 Milan, Italy
Bocconi University MSc in Economic and Social Sciences	2013 – Apr 2016 Milan, Italy
Sciences Po Paris Exchange program	2014 Paris, France
Bocconi University BSc in Int. Economics, Management and Finance	2013 – 2016 Milan, Italy
Inspira Exchange program	2012 São Paulo, Brazil

PUBLICATIONS

- Stefania Renna, Francesco Granella, Jacopo Lunghi, Michele Malpede, and Damiano Di Simine (2024) "Impacts of agriculture on PM10 pollution and human health in the Lombardy region in Italy", *Frontiers in Environmental Science* [\[Link\]](#)
- Martino Gilli, Matteo Calcaterra, Johannes Emmerling, and Francesco Granella (2024) "Climate Change Impacts on the Within-Country Income Distributions", *Journal of Environmental Economics and Management* [\[Link\]](#)[\[Replication package\]](#)
- Francesco Granella, Stefania Renna, Lara Aleluia Reis (2024) "The formation of secondary inorganic aerosols: A data-driven investigation of Lombardy's secondary inorganic aerosol problem", *Atmospheric Environment*. [\[Link\]](#)
- Bernardo Bastien-Olvera, Mark Conte, Xiaoli Dong, Tania Briceno, David Batker, Johannes Emmerling, Massimo Tavoni, Francesco Granella, and Frances Moore (2023) "Unequal climate impacts on global values of natural capital",

Nature [\[Link\]](#)

- Bernardo Bastien-Olvera, Francesco Granella, and Frances Moore (2022). "Persistent effect of temperature on GDP identified from lower frequency temperature variability", *Environmental Research Letters*. [\[Link\]](#)
- Francesco Granella, Lara Aleluia Reis, Valentina Bosetti, and Massimo Tavoni (2020) "COVID-19 lockdown only partially alleviates health impacts of air pollution in Northern Italy", *Environmental Research Letters*. [\[Link\]](#)

WORKING PAPERS

- *You Can't Run from Air Pollution. The Effect of Fine Particulate Matter on Physical Tasks* [\[Link\]](#)
- *Country Level Air Quality Calculator. An empirical modelling approach.* With Stefania Renna, Lara Aleluia Reis, and Paulina Antipa [\[Link\]](#)
- *Is (campaign) money for nothing? The effects of the 2015 Brazilian ban on corporate contributions on procurement outcomes and other forms of campaign contributions.* With Alexandros Cavgias [\[Link\]](#)

WORK IN PROGRESS

- *Climate Change Data from Twitter* With Matt Sisco, Anna Abatayo, and Soheil Shayeg
- *An empirical model of human perceptions of temperature abnormality* With Matt Sisco
- *The Shadow of the Sun: Rising temperatures and mortality across sectors in Brazil.* With Luis Alejandro Sarmiento
- *Employment dynamics in the aftermath of urban floods.*
- *PATFIND: an algorithm for matching PATSTAT with firm-level data.* With Elena Verdolini
- *Pairwise speech distance in the U.S. Congress: A perspective on polarization.*

TEACHING

- Guest lecturer in Data Science at University of Aosta (undergraduate, 2020)
- Guest lecturer in Climate Change Impacts at Bocconi University (undergraduate, 2023)
- Guest lecturer in Synthetic Control Methods and ML for Impact Evaluation at University of Brescia (graduate, 2024)

TEACHING ASSISTANSHIPS

- Climate Change Economics (Undergraduate), prof. Valentina Bosetti, 2021, 2022, 2023, 2024.
- Applications for Management (Undergraduate statistical analysis), prof. Alessia Melegaro, 2019, 2020.
- Political Science and Comparative Politics (Undergraduate), prof. Piero Stanig and prof. Livio Di Lonardo, 2019, 2020.
- Comparative Politics: Institutions and Institutional Development (Graduate), prof. Piero Stanig, 2020.

CONFERENCES & WORKSHOPS

- Environmental and Resource Economics: IAMC 2024 (declined), FAERE 2023, The Economics of Air Pollution Workshop @ Stockholm School of Economics 2022, AERE @ SEA 2021, EAERE 2021, IAERE 2019, 2021
- Political Science: EPSA 2021, APSA 2020, MPSA 2020
- Computational Social Sciences: IC2S2 2019 (poster)

GRANTS & FUNDS

- Co-winner, *INHALE: Impact on human Health of Agriculture and Livestock Emissions*, WP1. PI: Lara Aleluia Reis. (€125,000)
- GEMCLIME (Global Excellence in Modelling of Climate and Energy) project - Secondment research allowance (€14,000)
- Invernizzi PhD Financial Aid (€22,000)

PROJECT MANAGEMENT

- Task leader, 101081369 Horizon Europe programme ("SPARCCLE")
- Task leader, 101081604 Horizon Europe programme ("PRISMA")

AWARDS

- EAERE 2021 Conference Participation Grant.
- PhD Fellowship, Bocconi University. 4-year full scholarship for the PhD in Public Policy and Administration.
- *Cum laude* honours, MSc in Economic and Social Sciences. University.

SERVICE

Referee for: *Nature Climate Change*, *Environmental Research Letters*, *Environmental Research Communications*, *iScience*

CONSULTANCY

- 2020-2022: Air pollution emissions-concentrations functions using machine learning, for the World Bank.
- 2019: Assessment of transport demand using mobile phone data for Trenitalia SpA.
- 2019: Assessment of market potential for firms in Lombardy and simulations of the impact of changes in transport costs, for the Union of the Chambers of Commerce of Lombardy.

NON-ACADEMIC EXPERIENCE

OECD Development Centre
Jr Policy Analyst

Jul – Oct 2015
Paris, France

OECD Development Centre
Trainee

Jan – Jul 2015
Paris, France

COMPUTER SKILLS

Python, Stata, GAMS, Git, \LaTeX

LANGUAGES

English: Full professional proficiency
Portuguese: Full professional proficiency
French: Limited professional proficiency
Italian: Mother tongue

REFERENCES

Valentina Bosetti

Professor of Economics

Department of Economics

Bocconi University

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Frances C. Moore

Associate Professor

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