

Filippo PAVANELLO

CONTACT INFORMATION

Poschingerstraße 5
Center for Energy, Climate and Resources
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RESEARCH FIELDS

Primary: Environmental Economics
Secondary: Health Economics, Development Economics, Applied Microeconomics

AFFILIATIONS

ifo Institute
LMU München
CESifo Research Network
Euro-Mediterranean Center on Climate Change
RFF-CMCC European Institute on Economics and the Environment
Ca' Foscari University of Venice

ACADEMIC POSITIONS

Assistant Professor (non-tenure track), ifo Institute and LMU München
Center for Energy, Climate, and Resources

2024-

Affiliate Researcher, CESifo Research Network
Energy and Climate Economics

2024-

Research Fellow, Parthenope University of Naples
Department of Economics

2024

Affiliate Scientist, Euro-Mediterranean Center on Climate Change
Economic analysis of Climate Impacts and Policy (ECIP)

2020-

Affiliate Researcher, Ca' Foscari University of Venice
Department of Economics

2019-

EDUCATION

PhD in Economics, University of Bologna
Department of Economics

2019-2024

- *Dissertation Title:* Essays on economics of adaptation to climate change
- *Advisors:* Annalisa Loviglio, Anastasios Xepapadeas
- *Examiners:* Maria Arvaniti (Unibo), Alessandro Tavoni (Unibo), Katrin Millock (PSE)
- *Awards:* Best Doctoral Dissertation, European Association of Environmental and Resource Economists

MSc. in Economics and Finance, Ca' Foscari University of Venice
Department of Economics

2016-2018

- *Grade:* 110/110 *cum Laude*

BA in Economics and Trade, Ca' Foscari University of Venice
Department of Economics

2013-2016

- *Grade:* 110/110 *cum Laude*

WORK EXPERIENCE

Research Intern, Organisation for Economic Development and Cooperation (OECD)
Environment (ENV) Directorate

2021, 2022

	Research Assistant , Ca' Foscari University of Venice <i>Department of Economics</i>	2018, 2019
VISITING EXPERIENCE	Visiting Student , Boston University <i>Center for Innovation in Social Science</i>	2023
PUBLICATIONS	<p>De Cian, E., Falchetta, G., Pavanello, F., Romitti, Y., Sue Wing, I. (2025). The impact of air conditioning on residential electricity demand across world countries. <i>Journal of Environmental Economics and Management</i>, 103122 [Paper]</p> <p>Falchetta, G., De Cian, E., Pavanello, F., Sue Wing, I. (2024). Inequalities in global residential cooling energy use to 2050. <i>Nature Communications</i>, 15(1), 1-13. [Paper]</p> <p>Randazzo, T., Pavanello, F., De Cian, E. (2023). Adaptation to climate change: Air-conditioning and the role of remittances. <i>Journal of Environmental Economics and Management</i>, 102818. [Paper]</p> <p>Pavanello, F., De Cian, E., Davide, M., Mistry, M., et al. (2021). Air-conditioning and the adaptation cooling deficit in emerging economies. <i>Nature Communications</i>, 12(1), 1-11. [Paper]</p> <p>De Cian, E., Pavanello, F., Randazzo, T., Mistry, M. N., Davide, M. (2019). Households' adaptation in a warming climate. Air conditioning and thermal insulation choices. <i>Environmental Science & Policy</i>, 100, 136-157. [Paper]</p>	
WORKING PAPERS	<p>Emergency Departments Visits and Temperature: Evidence from Mexico (with F.P. Colelli, L. Sarmiento) [<i>R&R at Journal of Economic Behaviour and Organization</i>] [RFF Working Paper]</p> <p>Income shocks, adaptation, and temperature-related mortality: Evidence from the Mexican labor market (with M. Gilli, L. Sarmiento, S. Shayegh) [<i>Reject & Resubmit at JAERE</i>] [CESifo Working Paper]</p> <p>Public finance resilience in the transition towards carbon neutrality: Modelling policy instruments in a global net-zero emissions (with J. Fouré, R. Dellink, E. Lanzi) [<i>under Review</i>] [OECD Working Paper]</p> <p>Adaptation technology choice and implications for heat health risk. (with I. Sue Wing) [<i>Submitted</i>] [Draft] (<i>An earlier version circulated as "Adapting to Heat Extremes with Unequal Access to Cooling: Evidence from India"</i>)</p> <p>Co-benefits of Substance Abuse Regulation on Temperature and Violent Crime (with G. Zappalà) [Draft] [<i>Best Paper Award at CESifo/ifo Junior Workshop on Energy and Climate Economics 2025</i>]</p> <p>Mortality, Temperature, and Public Adaptation Policy: Evidence from Italy (with G. Valenti) [Draft]</p> <p>Assessing climate change costs for EU households (with L. Campagnolo, E. De Cian, et al.) [<i>Draft available upon request</i>] [<i>Project: EESC/FSA Tender</i>]</p>	
(SELECTED) RESEARCH IN PROGRESS	<p>Trade-Offs in Adaptation and Energy Use (with F.P. Colelli, E. De Cian, G. Falchetta, A. Mazzone, I. Sue Wing) [<i>Invited review for Annual Review of Resource Economics</i>]</p> <p>Temperature Extremes and Local Power Distribution: From Mechanisms to Health Impacts (with F.P. Colelli, L. Sarmiento) [<i>Draft available soon</i>]</p> <p>Does social identity influence adaptation to hot temperatures? (with E. De Cian and T. Randazzo)</p>	

[*Draft available soon*]

The (long-term) consequences of austerity policy on mortality and temperature relationship: Evidence from Italy (with G. Valenti) [*Draft available soon*]

Crime, temperature, and alcohol prohibition (with F. Zaramella) [*Analysis stage*]

High Temperatures and Harsh Parenting (with E. De Cao and P.A. Naß) [*Analysis stage*]

Firms' climate expectations and adaptation (with N. Garbarino and M.T. von Shickfus) [*Data collection*] [[AEA RCT Registry: 0016562](#)]

POLICY WORK Analisi preliminare propedeutica alla elaborazione della "Strategia regionale di adattamento al cambiamento climatico": gli impatti socio-economici dei cambiamenti climatici in Veneto (ARPAV) [In Italian — [Presentation](#)]

The cost of climate change on households and families in the EU (European Economic and Social Committee) [[Report](#)]

BOOK CHAPTERS De Cian, E., Squarci, G., Crimi, J., Mazzone, A., Cruz, T., Bezerra, P., Campagnolo, L., Colelli, F.P., Davide, M., Falchetta, G., Jagu, D., Lucena, A. F., Mistry, M., **Pavanello, F.**, Randazzo, T., Renner, S., Schaefer, R. & Sue Wing, I. (2023). The Cooling Solution. The future of air-conditioning and its impact on society. [[Online Reading](#)]

RESEARCH PROJECTS Evaluation of climate adaptation interventions using observational data (*co-PI*) 2025-
PRIN: PRoductivity and equity implications of Climate change in Europe (*Researcher*) 2024-2025
ARPAV: Socio-economic impacts of climate change in Veneto (*Researcher*) 2023
EESC Tender: The cost of climate change on households and families in EU (*Researcher*) 2022-2023
ERC Starting Grant: EnergyA-Energy use for adaptation (*Researcher*) 2018-2023

GRANTS **Evaluation of climate adaptation interventions using observational data** 2025
Stanford University (38,500 USD) *with Marshall Burke*

SCHOLARSHIPS Inequality and the Environment Symposium: Sciences Po, **Participation Grant** 2024
Italian Society for Climate Sciences, **Participation Grant** 2023
University of Bologna, **Marco Polo Scholarship** 2023
Euro-Mediterranean Center on Climate Change, **Research Scholarship** 2021-2024
University of Bologna, **PhD Scholarship** 2019-2024
Ca' Foscari University of Venice, **Research Assistant Scholarship** 2018-2019
Ca' Foscari University of Venice, **Erasmus+ Scholarship** 2017

AWARDS EAERE, **Best Doctoral Dissertation Award** 2025
CESifo, **Best Paper Award at CESifo/ifo Junior Workshop on Energy and Climate Economics** 2025
University of Amsterdam, **Econometric Game (2nd Prize, Team Leader)** 2023
Unicredit Foundation, **Young Economist Best Presentation Award** 2022
Crédit Agricole and Ca' Foscari University of Venice, **Active Learning Lab (1st Prize)** 2018

TEACHING **Lecturer**, Ca' Foscari University of Venice
Department of Economics
- Applied Environmental Economics and Policy Evaluation,
PhD in Science and Management of Climate Change (*scheduled*) Spring 2026

Lecturer, LMU Munich
Department of Economics

- Climate Economics, MSc in Economics (*scheduled*)
- Topics in Climate Economics, BSc in Economics

Spring 2026
Spring 2025

Teaching Assistant, University of Bologna
Department of Economics

- Econometrics, MSc in Economics
- Econometrics, BA in Economics, Politics and Social Sciences

Fall 2022, 2023
Spring 2024

Teaching Assistant, Ca' Foscari University of Venice
Department of Economics

- Industrial Economics, BA in Economics and Trade

Spring 2017, 2018

SUPERVISIONS

Master students

- Amrei Schmidt* (MSc Econ — LMU Munich)
- Giovanni Remonti* (MSc Econ — LMU Munich)
- Lucia Nafziger (MSc Econ — LMU Munich)

2025
2025
2025

Bachelor students

- Johannes Kranz* (BA Econ — LMU Munich)
- Juliane Maria Zwing* (BA Econ — LMU Munich)
- Benjamin Wolf* (BA Econ — LMU Munich)

2025
exp. 2025
exp. 2026

(*indicates main advisor)

INVITED TALKS

2026: Workshop on Climate impacts and adaptation (Goethe University Frankfurt, *scheduled*)

2025: AERNA-CE3 Durham Online seminar in Environmental and Resource Economics, Workshop "Il tempo sta cambiando"—Associazione Alumni del Collegio Superiore (University of Bologna), Workshop on Pro-Environmental Behavior: Drivers and Consequences (Max Planck Society).

2024: Workshop on Gender, Environment, and Social Dynamics (CY Cergy Paris University), OECD Brown Bag Lunch Meeting, University of Bologna (Guest Lecture).

2022: 1st Padova Workshop on Environmental and Resource Economics.

SEMINARS AND CONFERENCES

2026: 13th IAERE Annual Conference (*scheduled*)

2025: 2nd Early Career Workshop on Applied Environmental & Climate Change Economics, 30th EAERE Annual Conference, AERE Summer Conference, 13th Mannheim Conference on Energy and the Environment, CESifo / ifo Junior Workshop on Energy and Climate Economics 2025, 13th IAERE Annual Conference, European Institute on Economics and the Environment Annual Meeting.

2024: ifo Christmas Conference, Big Data Seminar series (ifo Institute), 29th EAERE Annual Conference, European Institute on Economics and the Environment, AERE Summer Conference, 3rd UniMi Junior Economists Meeting, 1st Verona Early Career Workshop in Economics, University of Bologna, 12th IAERE Annual Conference, ESSEC Business School, University of Barcelona School of Economics, ifo Institute, Inequality and the Environment Symposium: Sciences Po.

2023: CEE Montpellier (online), 11th SISC Annual Conference, University of Bologna, Bologna Environmental Economics Reading Group Seminar, European Institute on Economics and the Environment Monthly Meeting (online), PhD Weekend Workshop (University of Bologna), Heidelberg University (online), LSE Environment Week, Boston University, 11th IAERE Annual Conference, CMCC@CaFoscari.

2022: 10th SISC Annual Conference, 2nd ERC-ENERGYA Scientific Workshop, PhD Weekend Workshop (University of Bologna), University of Bologna, 27th EAERE Annual Conference, 10th IAERE Annual Conference.

2021: 1st ERC-ENERGYA Scientific Workshop (online), 26th EAERE Annual Conference (online), 9th IAERE Annual Conference (online), University of Bologna (online), European Geosciences Union General Assembly (online).

2020: First-year PhD Internal Seminar (University of Bologna).

2019: 7th IAERE Annual Conference

EVENT
ORGANISATION

2025: Fall LMU Junior Faculty Workshop

REFEREEING

Climatic Change, Economics of Disasters and Climate Change, Energy Economics, Environmental and Resource Economics, Journal of Economic Behaviour and Organization, Mitigation and Adaptation Strategies for Global Change, Nature Communications, Nature Climate Change, npj Natural Hazards, PNAS, Review of Economics of the Household, Scientific Reports

SUMMER SCHOOLS

2021: Investment Choices in Developing Countries (Centro Studi Luca d'Agliano), Dynamic Structural Model for Policy Evaluation (Barcelona GSE).

MEMBERSHIPS

Association of Environmental and Resource Economists (AERE), European Association of Environmental and Resource Economists (EAERE), Italian Association of Environmental and Resource Economists (IAERE)

SOFTWARE

R, Stata, Python, GAMS, L^AT_EX, Microsoft Office, Github, Markdown

LANGUAGES

Italian (native), English (fluent), French (fluent)

ACTIVITIES

Junior Faculty Representative (LMU Munich and ifo Institute, *present*)
Co-founder and organizer: 'Research in Steps' Seminar series for PhD Students, Co-founder and organizer: 'Bologna Environmental Economics Reading Group' (University of Bologna)

REFERENCES

Annalisa Loviglio
Assistant Professor
University of Bologna
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Enrica De Cian
Full Professor
Ca' Foscari University of Venice
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isw@bu.edu

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