

Filippo PAVANELLO

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| CONTACT INFORMATION | Poschingerstraße 5<br>Center for Energy, Climate and Resources<br>ifo Institute<br>81679 München, Germany                                                                                                                                                                                                                                                                                                                   |  (+39) 3480610529<br> <a href="mailto:pavanello@ifo.de">pavanello@ifo.de</a><br> <a href="#">FPavanello</a><br> <a href="https://github.com/fpavanello">fpavanello.github.io</a> |
| RESEARCH FIELDS     | Primary: Environmental Economics<br>Secondary: Health Economics, Energy Economics, Development Economics, Applied Micro                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| AFFILIATIONS        | ifo Institut<br>LMU München<br>CESifo Research Network<br>Euro-Mediterranean Center on Climate Change<br>RFF-CMCC European Institute on Economics and the Environment<br>Ca' Foscari University of Venice                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ACADEMIC POSITIONS  | <b>Assistant Professor</b> , ifo Institut and LMU München<br><i>Center for Energy, Climate, and Resources</i>                                                                                                                                                                                                                                                                                                               | 2024-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                     | <b>Affiliate Researcher</b> , CESifo Research Network<br><i>Energy and Climate Economics</i>                                                                                                                                                                                                                                                                                                                                | 2024-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                     | <b>Research Fellow</b> , Parthenope University of Naples<br><i>Department of Economics</i>                                                                                                                                                                                                                                                                                                                                  | 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                     | <b>Affiliate Scientist</b> , Euro-Mediterranean Center on Climate Change<br><i>Economic analysis of Climate Impacts and Policy (ECIP)</i>                                                                                                                                                                                                                                                                                   | 2020-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                     | <b>Affiliate Researcher</b> , Ca' Foscari University of Venice<br><i>Department of Economics</i>                                                                                                                                                                                                                                                                                                                            | 2019-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| EDUCATION           | <b>PhD in Economics</b> , University of Bologna<br><i>Department of Economics</i>                                                                                                                                                                                                                                                                                                                                           | 2019-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                     | <ul style="list-style-type: none"><li>- <i>Dissertation Title</i>: Essays on economics of adaptation to climate change</li><li>- <i>Advisors</i>: Annalisa Loviglio, Anastasios Xepapadeas</li><li>- <i>Examiners</i>: Maria Arvaniti (Unibo), Alessandro Tavoni (Unibo), Katrin Millock (PSE)</li><li>- <i>Awards</i>: Best Doctoral Dissertation, European Association of Environmental and Resource Economists</li></ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                     | <b>MSc. in Economics and Finance</b> , Ca' Foscari University of Venice<br><i>Department of Economics</i>                                                                                                                                                                                                                                                                                                                   | 2016-2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WORK EXPERIENCE     | <ul style="list-style-type: none"><li>- <i>Grade</i>: 110/110 <i>cum Laude</i></li></ul>                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                     | <b>BA in Economics and Trade</b> , Ca' Foscari University of Venice<br><i>Department of Economics</i>                                                                                                                                                                                                                                                                                                                       | 2013-2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                     | <ul style="list-style-type: none"><li>- <i>Grade</i>: 110/110 <i>cum Laude</i></li></ul>                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                     | <b>Research Intern</b> , Organisation for Economic Development and Cooperation (OECD)<br><i>Environment (ENV) Directorate</i>                                                                                                                                                                                                                                                                                               | 2021, 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                                       | <b>Research Assistant</b> , Ca' Foscari University of Venice<br><i>Department of Economics</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2018, 2019 |
| VISITING<br>EXPERIENCE                | <b>Visiting Student</b> , Boston University<br><i>Center for Innovation in Social Science</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2023       |
| PUBLICATIONS                          | <p>De Cian, E., Falchetta, G., <b>Pavanello, F.</b>, 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 [<a href="#">Paper</a>]</p> <p>Falchetta, G., De Cian, E., <b>Pavanello, F.</b>, Sue Wing, I. (2024). Inequalities in global residential cooling energy use to 2050. <i>Nature Communications</i>, 15(1), 1-13. [<a href="#">Paper</a>]</p> <p>Randazzo, T., <b>Pavanello, F.</b>, De Cian, E. (2023). Adaptation to climate change: Air-conditioning and the role of remittances. <i>Journal of Environmental Economics and Management</i>, 102818. [<a href="#">Paper</a>]</p> <p><b>Pavanello, F.</b>, 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. [<a href="#">Paper</a>]</p> <p>De Cian, E., <b>Pavanello, F.</b>, Randazzo, T., Mistry, M. N., Davide, M. (2019). Households' adaptation in a warming climate. Air conditioning and thermal insulation choices. <i>Environmental Science &amp; Policy</i>, 100, 136-157. [<a href="#">Paper</a>]</p>                                                                                                                                                                                                                                                                                                                                   |            |
| WORKING<br>PAPERS                     | <p>Emergency Departments Visits and Temperature: Evidence from Mexico (with F.P. Colelli, L. Sarmiento) [<i>R&amp;R at Journal of Economic Behaviour and Organization</i>] [<a href="#">RFF Working Paper</a>]</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>R&amp;R at Energy Policy</i>] [<a href="#">OECD Working Paper</a>]</p> <p>Adaptation technology choice and implications for heat health risk. (with I. Sue Wing) [<i>R&amp;R at JAERE</i>] [<a href="#">CESifo Working Paper</a>] (<i>An earlier version circulated as "Adapting to Heat Extremes with Unequal Access to Cooling: Evidence from India"</i>)</p> <p>Income shocks, adaptation, and temperature-related mortality: Evidence from the Mexican labor market (with M. Gilli, L. Sarmiento, S. Shayegh) [<i>Reject &amp; Resubmit at JAERE</i>] [<a href="#">CESifo Working Paper</a>]</p> <p>Co-benefits of Substance Abuse Regulation on Temperature and Violent Crime (with G. Zappalà) [<i>Under review</i>] [<a href="#">CESifo Working Paper</a>] [<i>Best Paper Award at CESifo Junior Workshop on Energy and Climate Economics 2025</i>]</p> <p>Mortality, Temperature, and Public Adaptation Policy: Evidence from Italy (with G. Valenti) [<a href="#">FEEM Working Paper</a>]</p> <p>Assessing climate change costs for EU households (with L. Campagnolo, E. De Cian, et al.) [<i>Draft available upon request</i>] [Project: EESC/FSA Tender]</p> |            |
| (SELECTED)<br>RESEARCH IN<br>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |

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|                   | Does social identity influence adaptation to hot temperatures? (with E. De Cian and T. Randazzo) [Draft available soon]                                                                                                                                                                                                                                                         |           |
|                   | The (long-term) consequences of austerity policy on mortality and temperature relationship: Evidence from Italy (with G. Valenti and G. Zappalà) [Draft available soon]                                                                                                                                                                                                         |           |
|                   | Temperature and global electricity load response (with F.P. Colelli and 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] [ <a href="#">AEA RCT Registry: 0016562</a> ]                                                                                                                                                                                                                            |           |
| POLICY WORK       | Adelowo, J., Colelli, F.P., Lang, N., Pavanello, F. (2026). <a href="#">Under strain: International insights into electricity grid outages</a> . <i>EconPol Forum</i> , 27 (2)                                                                                                                                                                                                  |           |
|                   | Projected increase in cooling demand to 2050 in C40 cities. <i>C40 Cities</i> . [ <a href="#">Report</a> ]                                                                                                                                                                                                                                                                      |           |
|                   | 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 — <a href="#">Presentation</a> ]                                                                                                                                    |           |
|                   | The cost of climate change on households and families in the EU. <i>European Economic and Social Committee</i> . [ <a href="#">Report</a> ]                                                                                                                                                                                                                                     |           |
| 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., <b>Pavanello, F.</b> , Randazzo, T., Renner, S., Schaefer, R. & Sue Wing, I. (2023). The Cooling Solution. The future of air-conditioning and its impact on society. [ <a href="#">Online Reading</a> ] |           |
| RESEARCH PROJECTS | Evaluation of climate adaptation interventions using observational data ( <i>co-PI</i> )                                                                                                                                                                                                                                                                                        | 2025-     |
|                   | PRIN: PRoductivity and equity implications of Climate change in Europe ( <i>Researcher</i> )                                                                                                                                                                                                                                                                                    | 2024-2025 |
|                   | ARPAV Tender: Socio-economic impacts of climate change in Veneto ( <i>Researcher</i> )                                                                                                                                                                                                                                                                                          | 2023      |
|                   | EESC Tender: The cost of climate change on households and families in EU ( <i>Researcher</i> )                                                                                                                                                                                                                                                                                  | 2022-2023 |
|                   | ERC Starting Grant: EnergyA–Energy use for adaptation ( <i>Researcher</i> )                                                                                                                                                                                                                                                                                                     | 2018-2023 |
| GRANTS            | <b>Evaluation of climate adaptation interventions using observational data</b>                                                                                                                                                                                                                                                                                                  | 2025-     |
|                   | Stanford University (38,500 USD) <i>co-PI with Marshall Burke</i>                                                                                                                                                                                                                                                                                                               |           |
|                   | <b>The cost of climate change on households and families in EU</b>                                                                                                                                                                                                                                                                                                              | 2022-2023 |
|                   | European Economic and Social Committee (60,000 EUR) <i>Researcher &amp; Grant Co-Writer</i>                                                                                                                                                                                                                                                                                     |           |
| SCHOLARSHIPS      | Inequality and the Environment Symposium: Sciences Po, <b>Participation Grant</b>                                                                                                                                                                                                                                                                                               | 2024      |
|                   | Italian Society for Climate Sciences, <b>Participation Grant</b>                                                                                                                                                                                                                                                                                                                | 2023      |
|                   | University of Bologna, <b>Marco Polo Scholarship</b>                                                                                                                                                                                                                                                                                                                            | 2023      |
|                   | Euro-Mediterranean Center on Climate Change, <b>Research Scholarship</b>                                                                                                                                                                                                                                                                                                        | 2021-2024 |
|                   | University of Bologna, <b>PhD Scholarship</b>                                                                                                                                                                                                                                                                                                                                   | 2019-2024 |
|                   | Ca' Foscari University of Venice, <b>Research Assistant Scholarship</b>                                                                                                                                                                                                                                                                                                         | 2018-2019 |
|                   | Ca' Foscari University of Venice, <b>Erasmus+ Scholarship</b>                                                                                                                                                                                                                                                                                                                   | 2017      |
| AWARDS            | EAERE, <b>Best Doctoral Dissertation Award</b>                                                                                                                                                                                                                                                                                                                                  | 2025      |
|                   | CESifo, <b>Best Paper Award at CESifo Junior Workshop on Energy and Climate Economics</b>                                                                                                                                                                                                                                                                                       | 2025      |
|                   | University of Amsterdam, <b>Econometric Game (2<sup>nd</sup> Prize, Team Leader)</b>                                                                                                                                                                                                                                                                                            | 2023      |

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|                          | Unicredit Foundation, <b>Young Economist Best Presentation Award</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2022 |
|                          | Crédit Agricole and Ca' Foscari University of Venice, <b>Active Learning Lab (1<sup>st</sup> Prize)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2018 |
| TEACHING                 | <p><b>Lecturer</b>, Ca' Foscari University of Venice<br/> <i>Department of Economics</i></p> <ul style="list-style-type: none"> <li>- Applied Environmental Economics and Policy Evaluation, PhD in Science and Management of Climate Change</li> </ul> <p style="text-align: right;">Spring 2026</p> <p><b>Lecturer</b>, LMU Munich<br/> <i>Department of Economics</i></p> <ul style="list-style-type: none"> <li>- Climate Economics, MSc in Economics</li> <li>- Topics in Climate Economics, BSc in Economics</li> </ul> <p style="text-align: right;">Spring 2026<br/>Spring 2025</p> <p><b>Teaching Assistant</b>, University of Bologna<br/> <i>Department of Economics</i></p> <ul style="list-style-type: none"> <li>- Econometrics, MSc in Economics</li> <li>- Econometrics, BA in Economics, Politics and Social Sciences</li> </ul> <p style="text-align: right;">Fall 2022, 2023<br/>Spring 2024</p> <p><b>Teaching Assistant</b>, Ca' Foscari University of Venice<br/> <i>Department of Economics</i></p> <ul style="list-style-type: none"> <li>- Industrial Economics, BA in Economics and Trade</li> </ul> <p style="text-align: right;">Spring 2017, 2018</p> |      |
| SUPERVISIONS             | <p><b>Master students</b></p> <ul style="list-style-type: none"> <li>- Amrei Schmidt*, Giovanni Remonti*, Lucia Nafziger</li> </ul> <p style="text-align: right;">2025</p> <p><b>Bachelor students</b></p> <ul style="list-style-type: none"> <li>- Florian Huber*</li> <li>- Johannes Kranz*, Juliane Maria Zwing*</li> </ul> <p style="text-align: right;">exp. 2026<br/>2025</p> <p>(*indicates main advisor)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |
| INVITED TALKS            | <p><b>2026:</b> Workshop "Reducing Climate Mortality Risks" (Cambridge UK, <i>scheduled</i>), University of Trieste (Guest Lecture), University of Padua (Guest Lecture).</p> <p><b>2025:</b> 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).</p> <p><b>2024:</b> Workshop on Gender, Environment, and Social Dynamics (CY Cergy Paris University), OECD Brown Bag Lunch Meeting, University of Bologna (Guest Lecture).</p> <p><b>2022:</b> 1st Padova Workshop on Environmental and Resource Economics.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |
| SEMINARS AND CONFERENCES | <p><b>2026:</b> 7th World Congress of Environmental and Resource Economists (<i>scheduled</i>), 14th Mannheim Conference on Energy and the Environment (<i>scheduled</i>), 13th IAERE Annual Conference.</p> <p><b>2025:</b> 2nd Early Career Workshop on Applied Environmental &amp; Climate Change Economics, Summer LMU Junior Faculty Workshop, 30th EAERE Annual Conference, AERE Summer Conference, 13th Mannheim Conference on Energy and the Environment, CESifo Junior Workshop on Energy and Climate Economics 2025, 13th IAERE Annual Conference, European Institute on Economics</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |

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:** University of Bologna.

**2019:** 7th IAERE Annual Conference.

EVENT  
ORGANISATION

**2027:** CESifo – Venice Summer Institute Workshop (*scheduled*)

**2026:** Fall LMU Junior Faculty Workshop (*scheduled*), Summer LMU Junior Faculty Workshop (*scheduled*)

**2025:** Fall LMU Junior Faculty Workshop, Summer LMU Junior Faculty Workshop

REFEREING

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<sup>A</sup>T<sub>E</sub>X, 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 Unibo PhD Students  
Co-founder and organizer: 'Bologna Environmental Economics Reading Group'