

Ignacio Oliva Peirano

January 2025

Contact Information:

iroлива@ucdavis.edu

+1(530)760-8647

Agricultural and Resource Economics, UC Davis

One Shields Ave., Davis, CA 95616

EDUCATION

- Ph. D.** Agricultural and Resources Economics
University of California, Davis 2022 -
Sequences: Environmental & Development Economics. Other courses: Trade, Econometrics.
- M.E.** Economics
Barcelona School of Economics & Universitat Pompeu Fabra 2021 - 2022
Relevant courses: Time Series, Urban Economics. Best thesis recognition: Migrant's Professional Downgrading.
- M.Sc.** Engineering
Pontificia Universidad Católica de Chile 2015 - 2017
Highest Honors. Thesis: Built environment and travel behavior.
- B.S.** Industrial Engineering
Pontificia Universidad Católica de Chile 2009 - 2015
Graduated with two votes of distinction. University leader award.

RESEARCH INTERESTS

- Primary: Environmental Economics, Climate Economics, and Development Economics.
Secondary: Spatial Economics and Welfare Economics

RESEARCH

Work in progress

"Global warming, inequality and dependence on the environment" (with Remi Turquier and Frances C Moore)

Abstract: This paper studies the links between climate damage, global inequalities, and reliance on nature for subsistence. In a simplified theoretical model, we show that environmental damages affect different income groups differently. The distribution of welfare losses depends on the combination of inequality aversion and substitutability between natural and manufactured goods. We develop a detailed integrated assessment model to explore this relationship under different climate scenarios. Connecting warming, nature and inequalities might reveal different welfare trajectories by income group and region, accounting for the distributional impacts of natural capital loss. These findings support evidence for additional welfare gains from more ambitious climate or conservation policies. These benefits are absent from previous common climate-economy models, which either omit the economic impacts derived from ecosystem services, or ignore economic inequalities within countries.

Peer-Reviewed Papers

Barton, J.R., Hernández Díaz, P., Robalino-López, A., Gutowski, T., Oliva, I., Araujo Vizuete, G.F. and Rojas Cely, M. (2024), "Carbon neutrality in Andean universities: the centrality of context in comparative analysis of assessment, opportunities and obstacles", *International Journal of Sustainability in Higher Education*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/IJSHE-11-2022-0351>

Oliva, I., Garretón, B., Urquiza, F., Muñoz, J. (2020). Caracterización de la contribución a los ODS en una universidad de Chile: ampliando la mirada desde la gestión institucional a la investigación. *Revista Educación Superior y Sociedad*, 32(2), 403-426.

Oliva, I., Galilea, P., & Hurtubia, R. (2018). Identifying cycling inducing neighborhoods: A latent class approach. *International journal of sustainable transportation*, 12(10), 701-713.

Master Theses

Agarwal, Sunidhi; Ariznavarreta, Ignacio; Chamseddine, Nour; Gonçalves, Ricardo; Oliva, Ignacio. Migration shocks and occupational downgrading: evidence from Venezuelan migrants in Chile. 2022
<http://hdl.handle.net/10230/54972>

Oliva, I. Rol del entorno construido en la frecuencia del uso de la bicicleta como modo de transporte. 2017
<https://doi.org/10.7764/tesisUC/ING/21404>

Congress Presentations

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| 2021 | International Congress in Education for Sustainable Development (Villarrica). |
| 2020 | VIII National Seminar on Service–Learning Education (Santiago). |
| 2019 | VII National Seminar on Service–Learning Education (Santiago). |
| 2018 | Iberoamerican Congress of Sustainability in Higher Education (Santiago). |
| 2016 | XIX Pan-American Congress of Transportation Engineering (Mexico City) |

Research Assistant

2023, 2024 Frances C Moore

PROFESSIONAL EXPERIENCE

Chief of Sustainable Research and Outreach & Instructor **2018 - 2021**

Institute for Sustainable Development, Pontificia Universidad Católica de Chile

Developed and delivered three lectures, led three research projects, and organized two annual outreach events.

TEACHING EXPERIENCE

University of California, Davis – Teaching Assistant

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| 2024 F | Methods of Environmental Policy Valuation (for Frances C Moore. Undergraduate) |
| 2024 Sum | Managerial Economics (for John Constantine. Undergraduate) |
| 2024 S | Managerial Marketing (for Kristin Kiesel. Undergraduate) |
| 2024 W | Environmental Policy Valuation (for Frances C Moore. Postgraduate) |
| 2023 F | Climate Policy (for Michael Springborn. Undergraduate) |

Pontificia Universidad Católica de Chile – Instructor of record

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| 2018 - 2021 | Sustainability (Interdisciplinary. Undergraduate) |
| 2021 | Climate Change: An Interdisciplinary Approach (Undergraduate) |
| 2020 | Sustainability (MBA. Postgraduate) |

Pontificia Universidad Católica de Chile – Teaching Assistant

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| 2020 | Economics and Evaluation of Social Policies (for Francisco Gallego. Undergraduate) |
| 2015 - 2016 | Introduction to Sustainability (for Francisco Urquiza. Undergraduate) |
| 2015 | Transportation Economics (for Patricia Galilea. Postgraduate) |
| 2015 | Planning for Sustainable Transport, Citizens and the City (for Lake Sagaris. Postgraduate) |
| 2010 - 2013 | Introduction to Economics (for Ricardo Paredes. Undergraduate) |
| 2013 - 2015 | Transportation Systems Engineering (for Ricardo Giesen. Undergraduate) |
| 2012 | Network flows (for Juan Carlos Muñoz. Undergraduate) |

GRANTS, FELLOWSHIPS AND HONORS

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| 2024 | Jastro-Shields Graduate Research Award — University of California, Davis. |
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| 2024 | Summer Research Fellowship — University of California, Davis. |
| 2022 | Fulbright Fellowship for Ph.D. 2022 – 2023 cycle application (declined). |
| 2020 | Research Grant: Carbon Neutrality in Latin American Universities Learning and Action Strategies — CODS Center, Universidad de los Andes, Colombia. |
| 2019 | Research Grant: University's Contribution to the SDGs Agenda — Pontificia Universidad Católica de Chile. |
| 2016 | Fellowship: International research internship at Technische Universität Berlin — Ministry of Science and Technology, Republic of Chile |
| 2016 | Grant: Scholarship grant for international congress attendance — School of Engineering, Pontificia Universidad Católica de Chile. |
| 2016 | Student leader award — Pontificia Universidad Católica de Chile. |
| 2014 | Summer school attendance grant at University of New South Wales — Pontificia Universidad Católica de Chile. |

SERVICE

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| 2024 | Coordinator. Annual Gianini GARESC Student Conference |
| 2014 | Students' Federation: Vice-President. Pontificia Universidad Católica de Chile |
| 2011 | Engineering Students' Council: Vice-President. Pontificia Universidad Católica de Chile |

OTHER

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| Software | Julia, R, Matlab, Stata, Visual Basics and Latex |
| Languages | Spanish (native), English (fluent), Italian (intermediate) and Catalan (basic) |
| Nationalities | Chile and Italy. US visa: J1 |

REFERENCES

| | |
|----------------------------------|--|
| Frances C Moore | Professor Francisco Gallego |
| Environmental Science and Policy | Department of Economics |
| University of California, Davis | Pontificia Universidad Católica de Chile |
| fmoore@ucdavis.edu | fgallego@uc.cl |