

# Danae Hernández-Cortés

## CONTACT INFORMATION

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## ACADEMIC APPOINTMENTS

2021 - **Assistant Professor**, College of Global Futures, Arizona State University  
School for the Future of Innovation in Society (50%)  
School of Sustainability (50%)  
2021- **Research Affiliate**, emLab, UCSB

## EDUCATION

2021 **Ph.D. in Economics**, University of California, Santa Barbara.  
Environmental Science Emphasis at the Bren School of Environment, UCSB.  
Dissertation: “Essays on the Distributional Effects of Environmental Policy”  
2017 **M.A., Economics**, University of California, Santa Barbara.  
2015 **B.A., Economics**, Centro de Investigación y Docencia Económicas (CIDE), Mexico City.  
2014 **Visiting Student**, University of Gothenburg, Sweden.

## PUBLICATIONS

Hernandez-Cortes, D. & Lopez-Rosas, E. (2022). The Environmental Justice Dimension of the Mexican Emissions Trading System. In Lucatello, S (editor). *Towards an Emissions Trading System in Mexico: Rationale, Design and Connections with the Global Climate Agenda Outlook on the first ETS in Latin-America and Exploration of the Way Forward* (Chapter 12), Springer Climate, ISSN: 2352-0698

Gračner T, Marquez-Padilla F, Hernandez-Cortes D. Changes in Weight-Related Outcomes Among Adolescents Following Consumer Price Increases of Taxed Sugar-Sweetened Beverages. *JAMA Pediatrics*, 176(2), 150-158.

Arceo-Gómez, E., Hernández-Cortés, D. & López-Feldman, A. Droughts and rural households' wellbeing: evidence from Mexico. *Climatic Change*. Vol. 162. September 2020, pp. 1197-1212.

Chakraborti, L., Heres, D. & Hernández-Cortés, D. Are Land Values Related to Ambient Air Pollution Levels? Hedonic Evidence from Mexico City. *Environment and Development Economics*. Vol. 24, Issue 3. June 2019, pp. 252-270.

Aburto-Oropeza, O., Johnson, A. F., Agha, M., Allen, E. B., Allen, M. F., González, J. A., ... Hernandez-Cortes, D., ... & Taylor, J. E. Harnessing cross-border resources to confront climate change. *Environmental Science & Policy*, Vol. 87, September 2018, pp. 128-132.

López-Feldman, A. & Hernández-Cortés, D. “Cambio Climático y Agricultura: Una Revisión de la Literatura con Énfasis en América Latina” [*Climate Change and Agriculture: A Literature Review for Latin America*] *El Trimestre Económico*, 2016, 332:459-496.

## WORKING PAPERS

“Decomposing Trends in Air Pollution Disparities from U.S. Electricity” with Kyle Meng and Paige Weber

“The Distributional Consequences of Incomplete Regulation”

“Do Environmental Markets Cause Environmental Injustice? Evidence from California’s Carbon Market” with Kyle Meng [NBER WP 27205]

## **WORK IN PROGRESS**

“Vehicles, Travel Demand, and Income: Responses to Subways and Bus Rapid Transit in Mexico City” with Christopher Severen and Paulina Oliva

“Migration as Adaptation? U.S. Relocations in Response to Hurricanes” with Margaret Walls

## **BOOK CHAPTERS AND POLICY REPORTS**

“Enhancing equity while eliminating emissions in California’s supply of transportation fuels” with emLab Carbon Neutrality project team.

“Carbon Neutrality and California’s Transportation Fossil Fuel Supply” with emLab Carbon Neutrality project team.

“Mexican Rural Households’ Vulnerability and Adaptation to Climate Change” with Alejandro López-Feldman, Antonio Yúnez-Naude, J. Edward Taylor and Alan Hernández. White Paper for the Environmental Working Group of the UC-Mexico Initiative. August 11, 2017.

“The link between clean air policy and climate change policy in Mexico: Building an agenda for evaluation and research” with Paulina Oliva, Marco Heredia, Victor H. Paramo, Teresita Romero, Jose A. Ortinez, Giovanna Montagner, and Karla J. Lopez. White Paper for the Environmental Working Group of the UC-Mexico Initiative. October 23, 2017.

“MRV Blueprint for Road Freight Transport NAMA in Mexico” with Georg Schmid and Miriam Frisch. MRV Blueprint, German Ministry for the Environment, Nature Conservation and Nuclear Safety. 2015.

## **PRESENTATIONS AND INVITED TALKS**

**2022:** SBCA, AERE MEAs, CAF-Banco de Desarrollo de América Latina, University of Chicago (EPIC), Occasional Workshop in Environmental and Resource Economics (discussant), Institute for Policy Integrity’s Advancing Energy Justice: Tools for Justice40 and Equitable Deep Decarbonization (panelist), NBER EEPE, AERE 2022.

**2021:** 2021 ASSA Virtual Meeting (discussant), University of Illinois Urbana Champaign (pERE Seminar), UCSB Grad Slam Competition, Microsoft Research Seminar, ASU College of Global Futures, UCSB Pacific Views Public Lecture, ZEW, University of Oregon, OSWEET, AERE 2021, EMEE Summer Workshop, Banco de Mexico, Irving Institute New Energy Series, LACEA 2021, ASU Enlightening Lunch, UCSD, North Carolina State, Rutgers.

**2020:** UC Berkeley Climate Economics Workshop, UCSB Labor Lunch, IETA Webinar, Bren Environmental Justice Symposium, AERE Virtual Conference, NBER Summer Institute (egg-timer), Montana State University, 2020 Virtual UEA, Claremont McKenna College, SOCAE, CIDE, RIDGE Environmental Economics Workshop.

**2019:** TWEEDS, EAERE Summer School, UCLA-Institute of the Environment & Sustainability, Occasional Workshop in Environmental and Resource Economics (egg-timer).

**2018:** Resources for the Future’s research seminar, UCSB Environmental Lunch Series.

**2016:** Third Annual Congress of Economics and Public Policy at IBERO.

## FELLOWSHIPS, GRANTS, AND AWARDS

Spring 2022 Healthy Urban Environments (HUE) Initiative, co-PI (\$49,200).  
Fall 2021 ASU Knowledge Exchange for Resilience Fellowship, PI (\$15,000).  
Winter 2021 UCSB Grad Slam Finalist and Winner of People's Choice Award.  
Spring 2020 Economics UCSB Outstanding Undergraduate Course Teaching Assistant Award.  
Spring 2019 UCSB Economics Research Quarter Competition.  
Spring 2019 UCSB Economics Travel Grant.  
Fall 2018 UCSB Economics Data Purchase Grant.  
Spring 2016 UC MEXUS-CONACYT Doctoral Fellowship 2016-2021.  
Spring 2014 Grant for visiting students by the Grants Committee of the Philosophical Faculties, Gothenburg, Sweden.

## REFEREE

**Journals:** *AEJ: Applied*, *American Journal of Agricultural Economics*, *Empirical Economics*, *Environment and Development Economics*, *Journal of Policy Analysis and Management*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Open Source Education*, *Science Advances*, *SAGE Open*.

**Grants:** *Alfred P. Sloan Foundation*.

## SERVICE

2022 AERE Environmental Justice Workshop organizing committee.  
2021- Justice, Equity, Diversity and Inclusion Committee, School of Sustainability, ASU.  
2020- Board member of the Latin American Association of Environmental and Resource Economists (LAERE)  
2021 Undergraduate Honor's Thesis Advisor, UCSB.  
2019-2020 Co-chair of WeSB, *We Are Economics at Santa Barbara*: Group aimed at promoting diversity in the Economics Department at UCSB.  
2019 Undergraduate and Master's Thesis Committee Member, CIDE, Mexico City.

## TEACHING

SOS 574: Sustainable Energy Analytics, School of Sustainability, ASU.

Teaching Assistant, Economics Department, UCSB.

Winter 2021 Environmental Economics (Prof. Kyle Meng).  
Spring 2020 Environmental Economics (Prof. Antony Millner).  
Winter 2018 Probability and Statistics 109: Statistics for Economics (Prof. Michael Nava).  
Fall 2017 Economics 9: Introduction to Economics (Prof. Cindy Benelli).

Teaching Assistant, Economics Department, CIDE, Mexico City.

Spring 2016 Microeconomics I for Ph.D. students (Prof. Luciana Moscoso).  
Fall 2015 Econometrics III: Microeconometrics (Prof. Florian Chavez-Juarez).  
Fall 2014 Introduction to Economics (Prof. Eva O. Arceo-Gómez).

## LANGUAGE SKILLS

English (fluent), Spanish (native) and Swedish (basic).