

## Education

**University of California, Santa Cruz**, PhD Economics (*Expected 2029*)

**The London School of Economics**, MSc Environmental Economics & Climate Change (*2018-2019*)

*Dissertation*: The Impact of Wind Development and Deregulation on Midwestern Electricity Firms

*Advisor*: Professor Eugenie Dugoua

**University of California, Berkeley**, BS Environmental Economics, BA Rhetoric (*2014-2018*)

*Thesis*: Cost-Benefit Analysis under Climate: Case Study of the Oxford Tract development

## Research Experience

Aug 2022 - **Part-time Research Assistant** *Department of Economics, LSE.*

July 2024 ○ Pre-doctoral research assistant for Professors Robin Burgess and Gharad Bryan.

Oct 2019 - **Occasional Research Officer** *LSE Middle East Centre.*

Jan 2020 ○ Conducting literature review and research into inclusion of emissions projections in GCE model and national wealth accounting framework for Kuwait under Professor Giles Atkinson.

Feb 2017 - **UG Research Assistant** *Professor Daniel Kammen, Energy and Resource Group, UC Berkeley.*

Jun 2017 ○ Scraped and analyzed data in R on energy use and related policies for 60+ countries to create motivation spectrum from financial to intrinsic for COP21 emission standards agreement.

## Work Experience

Aug 2022 - **Policy Economist** *International Growth Centre, LSE.*

July 2024 ○ Integrated frontier economics research into organizational strategy documents, focused on climate and development, via literature and data analysis, high-level research and policy dialogues.  
○ Reviewed and assisted in design of applied economics work in energy and environment portfolio. Managed delivery of project milestones for portfolio of \$500,000 in funded work.

Nov 2021 - **Economist** *McKinsey & Co. Sustainability*

June 2022 ○ *Tasks*: Programming lead on R Shinytool using automated web scraping of public data for sector-level database on project-level emissions in carbon market. Created supply side and price projections by optimization for global voluntary carbon market through 2050.  
○ *Data*: Carbon Disclosure Project (CDP) data, HTML webscraping.

Jan 2020 - **Analyst** *McKinsey & Co. Sustainability*

Nov 2021 ○ *Tasks*: Data analysis, including sector-level emissions model (Python) for UK bank annual disclosure. Matched production data with balance sheet for asset-level emissions measurements. Other: (a) Creation of index methodology to evaluate 'greenness' of 2020 global stimulus (b) CBA on country-level infrastructure investments of WASH investments under climate risk scenarios.  
○ *Data*: Global, sectoral decarbonisation scenarios (IEA, NGFS, UK-specific). Hansen et. al (2013), FAOSTAT land-use data.

Jan 2018 - **Analyst, Part-time Sustainabilist**

June 2019 ○ Organised third party and client-delivered data in R and Excel to estimate cost savings from process improvement interventions in renewable energy firms, specifically EPCs.

May 2016 - **Legislative Intern** *Office of Assemblymember Richard Bloom (District 50)*

Aug 2016 ○ Processed constituent requests, press releases, and wrote agricultural tax incentive policy brief.

## Contributions

Atkin, D., Caria, S., Donaldson D., Kala, N., Rasul, I., Saggese, A., Teachout, M., Verhoogen, E., & Woodruff, C. (2024) Firms trade and productivity. **International Growth Centre**. Evidence Paper paper. London, UK.

Saggese, A., Shawa, B. and Wani, S. (2024) Positioning Zambia for a copper-plus future. **International Growth Centre**. Policy paper. Lusaka, Zambia.

Burgess, R., Caria, S., Dobermann, T., Saggese, A. (2023) Innovation, Growth and the Environment. **International Growth Centre**. White paper. London, UK.

Vivid Economics (2021) Mission-critical: invest in water, sanitation and hygiene for a healthy and green economic recovery. **WaterAid**. Report. London, UK.

Vivid Economics (2021) Greenness of Stimulus Index. **Finance for Biodiversity**. Report. London, UK.

## Professional service

*Committee Member* (2024) Environment Camp conference, LSE

*IGC Organizer* (2022, 2023) Environment Week conference, LSE

*Editor, Online Contributor* (2019) Energy Journal at Energy Society, LSE

## Awards

*Regents Fellowship*, UC Santa Cruz (2024-25) - \$30,000

*Masters Award*, LSE (2018-19) - \$8,000

*Haas Scholars Undergraduate Program*, UC Berkeley (2017-18) - \$3,800

*Dean's List*, UC Berkeley (Fall 2017)

*Undergraduate Research Apprenticeship Program*, UC Berkeley (2017)

*California Alumni Association Scholarship*, UC Berkeley (2016-18) - \$2,000

*Capital Fellowship*, Matsui Center at UC Berkeley (2016) - \$2,000

*Scholarship recipient*, New Jersey Community Foundation for Education (2014-16) - \$4,000

## Activities and volunteer work

*Co-President* (2017-18) Bay Area Environmentally Aware Consulting Network at UC Berkeley

*Student Director* (2016-17) Consent workshops, UC Berkeley Hillel

*Teaching Assistant* (2016-17) Jumpstart, AmeriCorps program

*District 4 Commissioner* (2016-17) City of Berkeley, Zero Waste Commission

*Spring Break Student Volunteer* (2016) Grid Alternatives

*Legislative Director, Student Congress* (2014-16) Associated Students of the University of California (ASUC)

## Additional Skills

### Computer

R (ggplot, tidyr, data.tables, Shiny) - *advanced*, Python (data cleaning, manipulation, visualisation) - *intermediate*, ArcGIS/QGIS (spatial econometrics) - *intermediate*, STATA - *proficient*, LaTeX, Microsoft Excel, PowerPoint - *advanced*

### Other

Grant writing, report writing, local radio production, painting, film photography

### Languages

English - *native*, Italian - *basic*