

Education

University of California, Santa Cruz, PhD Economics (2024-)

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 ○ Part-time pre-doctoral research assistant for Professors Robin Burgess and Gharad Bryan in tandem with IGC role. Performed cleaning of secondary data for assessment of innovation subsidy, support on literature review.

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 ○ Literature review, stakeholder engagement for IGC White Paper.
- Co-develop research strategy on sustainable development, provide review of research designs for funded projects in energy/environment.

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

- June 2022 ○ *Tasks:* Programming lead on R Shiny visualisation tool and web scraping public data for automatizing data collection 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.
- *Content:* 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 or 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

Burgess, R., Caria, S., Dobermann, T., Saggese, A. (2023). Innovation, Growth and the Environment. **International Growth Centre**. White paper. London.
Vivid Economics (2021). Mission-critical: invest in water, sanitation and hygiene for a healthy and green economic recovery. **WaterAid**. Report. London.
Vivid Economics (2021). Greenness of Stimulus Index. **Finance for Biodiversity**. Report. London.

Professional service

- **Committee Member (2024)** Environment Camp conference, LSE
- **IGC Organizer (2022, 2023)** Environment Week conference, LSE
- **Editor and Online Contributor (2019)** Energy Journal at Energy Society, LSE

Awards

LSE Masters Award, 2018-19 - \$8,000
Haas Scholars Undergraduate Program, 2017-18 - \$3,800
California Alumni Association Scholarship 2016-18
Undergraduate Research Apprenticeship Program, 2017
Matsui Center, Capital Fellowship, 2016 - \$2,000
New Jersey Community Foundation for Education Scholarship, 2014-16 - \$4,000

Activities and volunteer work

- **Co-President (2017-18)** Bay Area Environmentally Aware Consulting Network at UC Berkeley
- **AmeriCorps (2016-17)** Jumpstart Teaching Assistant
- **City of Berkeley, Zero Waste Commission (2016-17)** Commissioner - District 4
- **GRID Alternatives (2016)** Spring Break Student Volunteer
- **ASUC Senate (2014-16)** Staff and Legislative Director for Student Congress

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*