

Rebeca C. de Buen Kalman, PhD

Environmental and cycling policy professional with extensive interdisciplinary research, project management, and leadership experience across private, non-profit, and academic organizations.

RELEVANT PROFESSIONAL EXPERIENCE

- Sep '21-present **Post-doctoral Researcher & Fellow on Ocean Policy and Governance, *Evans School of Public Policy and Management & Ocean Nexus, EarthLab, University of Washington***
- Implemented applied policy analysis for a global network of **Ocean Nexus** researchers. Topics covered include marine plastics, fishing subsidies, and climate change impacts on global fisheries.
 - Developed a framework for operationalizing equity and social impact in applied policy analysis.
 - Supervised a team of 1-3 undergraduate and PhD-level research assistants.
 - Created and maintained a project schedule for projects in the pipeline.
- Dec '19 - Aug '21 **PhD Student Researcher on Cycling Mobility and Environmental Policy, *University of Washington***
- Won and managed a \$25K research grant from the **Toyota Mobility Foundation** to study urban cycling in Mexico.
 - Planned and led qualitative fieldwork in Mexico, recruiting over 120 interviewees across 10 research sites from government agencies and cycling advocacy organizations.
 - Distilled qualitative data from over 100 interviews to identify best practices and actionable recommendations.
 - Leveraged and combined data from multiple platforms to perform quantitative and qualitative analysis.
 - Published a [peer reviewed paper in Transportation Research Part D](#) (a top transportation and environment policy journal).
- Jul '19 - Aug, 21 **Graduate Research Assistant, Multiple Departments, *University of Washington***
- Worked on projects for three research units: **Ocean Nexus at EarthLab, the Center for Studies in Ecology and Demography and the Sociology department**.
 - Responsibilities included: Survey participant identification, recruitment and engagement, leading working sessions, conducting qualitative interviews, data validation, outreach to community organizations, data analysis and visualization, and communication.
 - Research for **Ocean Nexus** developed into a full-time post-doctoral researcher position.
- Sep '16 - Dec '20 **Graduate Teaching Assistant, *Evans School of Public Policy and Management, University of Washington***
- Taught and supervised undergraduate and graduate-level courses in public policy, policy analysis, and public management with over 50 students per class.
 - Assisted all students through their written work and final projects applying course topics from problem scoping through completion.
 - Facilitated group in-class discussions and activities.
- Jun '18 - Sep '18 **Data Science for Social Good Fellow, *eScience Institute, University of Washington***
- Worked with social scientists and software developers to estimate measures of mobility in Seattle based on **Google API** and Travel Survey data for the **Seattle Department of Transportation**.
- Mar '13 - Sep '15 **Program Manager, Climate Mitigation Policy, *Latin America Regional Climate Initiative (of the ClimateWorks Foundation), Mexico***
- Managed a 2.5M grant portfolio, ensuring timeliness and quality of deliverables from 25 grantees.
 - Developed criteria for grant awards based on analysis of climate mitigation potential across energy, transportation, and environmental sectors in Mexico.
 - Built a database, established procedures for monitoring the grant portfolio, and reporting to funders.

- July '12- **Policy Analyst, ENTE (Energia, Tecnologia, y Educacion, S.C). [Consulting firm], México**
- Mar '13
- In a project funded by **Environment Canada**, developed an analysis of co-benefits of Nationally Appropriate Mitigation Actions in the residential sector in Mexico, Peru and Costa Rica. Co-led, coordinated and wrote the final report across a team of five contributors.
 - Organized and facilitated multi-stakeholder workshops including representatives from environment ministries, real-estate developers, and non-profit organizations in the United States, Mexico, Peru and Costa Rica.
- Mar '09 **Associate, Climate Change and Corporate Sustainability Department, KPMG Advisory, Spain**
- Jun '12
- Researched and analyzed CSR/ESG related topics and trends for **IBEX 35** companies
 - Worked on **Dow Jones Sustainability Index** and **FTSE4Good** questionnaires, **UN Global Compact communication** on progress reports, corporate sustainability strategies
 - Conducted benchmark analyses of sustainability reporting practices of **IBEX35** companies

SKILLS

Languages	Cultural competency with bilingual skills in Spanish (Native) and English (Native). Basic French.
Computing	R (Intermediate data cleaning, analysis and visualization), Python (Basic), Qgis (Spatial data visualization), NVivo (coding and analysis), SQL (intermediate), Microsoft Office
Qualitative	Locating and establishing contact with key informants, formal and informal interview, participant observation, transcribing interviews, thematic coding analysis
Quantitative	Data cleaning and analytics, Descriptive statistics, linear regression. Data cleaning, validation, and visualization.
Teaching and facilitating	Course development, technical workshops, data literacy, visual storytelling, tailoring content for specific audiences.
Policy analysis	Applied policy research, client-driven policy analysis

EDUCATION

- University of Washington, Evans School of Public Policy and Governance | 2015-2021 |**
- **PhD** in Public Policy and Management -**MSc** Public Policy
- Oxford University, Oxford University Center for the Environment | 2007-2008 |**
- MSc** Water Policy, Management, and Science
- Universidad Nacional Autónoma de México (UNAM), School of Science | 2003-2007 |**
- **Bachelor of Science — Major: physics**

SELECTED SCHOLARSHIPS AND AWARDS

- Evans School Marc Lindenberg Center Global Action Prize, University of Washington | Awarded in 2020 |**
- The Global Action Prize recognizes an Evans School MPA or PhD student for extraordinary work in a service activity that promotes global citizenship, international development, or humanitarian relief.
- Program on Climate Change Fellowship, University of Washington | Awarded in 2015 |**
- Full scholarship and stipend to attend the University of Washington
- Full scholarship to Oxford University, Ministry of Science and Technology, Mexico | Awarded in 2007 |**
- One year scholarship and stipend to attend the University of Washington

SELECTED PUBLICATIONS

- **de Buen Kalman, R.** (2021). Can't drive today? The impact of driving restrictions on bikeshare ridership in Mexico City. *Transportation research part D: transport and environment*, 91, 102652.
- Froehlich, J. E., Saugstad, M., Martínez, E., & **de Buen Kalman, R.** (2020). **Sidewalk Accessibility in the US and Mexico: Policies, Tools, and A Preliminary Case Study.** In *CSCW2020 Workshop on Civic Technologies: Research, Practice, and Open Challenges* (Vol. 10, No. 3406865.3430888).