

Alfredo Hernandez Sanchez

Applied Policy Researcher

- ▶ Nationality Spain & Mexico
- ▶ English (C2), Spanish (Native), French (B1)

Education

06/2020

PhD - Political Science

Central European University

Thesis: *Political Economy of Sovereign Debt in Latin America*

06/2014

MA - International Relations and European Studies

Central European University

06/2013

BA - International Relations

National Autonomous University of Mexico

Contact

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Technical Tools

R Programming 9+ yrs.

Artificial Intelligence 3+ yrs.

Summary

Applied policy analyst and researcher with experience designing and **managing data-driven research projects** at the intersection of governance, public integrity, and financial regulation. Proven track record delivering policy-relevant outputs for international institutions and think tanks, including indicators, analytical tools, and policy briefs, alongside peer-reviewed research. Comfortable leading **mixed-methods projects**, working with complex datasets, and translating **technical analysis** into actionable guidance for policymakers and stakeholders in international and interdisciplinary settings.

Professional Experience

Marie Skodowska-Curie Postdoctoral Fellow
TSMPI - Vilnius University

2024 - Present

I lead a competitively-funded EU Horizon research project on FinTech regulatory innovation in Europe. I design and manage a multi-work-package research programme combining quantitative analysis, comparative case studies, and stakeholder engagement. The project delivers original datasets, indicators, policy briefs, and an open-access analytical dashboard for regulators and policy stakeholders, alongside peer-reviewed publications.

Teaching Fellow / Programme Coordinator
Barcelona Institute of International Studies (IBEI)

2020 - 2024

I taught several graduate level courses on data science while coordinating the research masters programme. I contributed to research design and quantitative analysis, participated in collaborative research projects, and contributed to international academic and policy-oriented events.

Senior Consultant
Government Transparency Institute

2020 - 2023

I coordinated and delivered applied research projects on governance and anti-corruption funded by international organisations and donors. My work involved analysing large administrative and firm-level datasets, developing composite indicators to assess integrity and corruption risks, and translating empirical findings into policy reports, briefs, and analytical tools used by policymakers and civil society.

Doctoral Researcher
Department of Political Science
Central European University

2014 - 2020

I carried out doctoral research in political economy with a focus on finance, sovereign debt, and governance. My work involved quantitative and qualitative analysis, including regression methods and text-based analysis. Alongside research, I contributed to various teaching and research support activities.

Policy and Research Outputs

Selected peer-reviewed articles and policy reports on governance, financial regulation, and corruption risk, including work on integrity indicators, public procurement risks, and regulatory frameworks. Outputs include publications in international journals and policy-oriented reports produced for international organisations. A full list of publications and policy outputs is available on request or through my **personal website**.

Key Publications

Drivers of Crypto Asset Adoption in Europe

FIRSA Working Paper No. 2026/01

2026

FinTech Narratives of Financial Regulators

FIRSA Working Paper No. 2025/02

2025

Emergency Procurement: The Role of Big Open Data

Public Procurement Regulation in (a) Crisis?

2021

Methods and Analytical Expertise

Applied econometrics and quantitative analysis, including regression analysis and causal inference. Design and construction of composite indicators using large administrative and survey datasets. Mixed-methods research combining quantitative analysis with qualitative approaches such as interviews, process tracing, and comparative analysis. Quantitative text analysis and computational social science methods. Data visualisation and development of user-oriented analytical tools and dashboards. Strong emphasis on methodological transparency and reproducibility.

Teaching and Capacity Building

Experience designing and delivering training in quantitative methods and applied research for graduate students and researchers. Regular involvement in workshops and seminars focused on data analysis, research design, and the communication of technical findings to non-technical audiences. Teaching experience is oriented both towards capacity building and knowledge transfer in addition to formal academic lecturing.

Projects and Certifications

See my **personal website** for a comprehensive list of open-source projects.

FIRSA FinTech Regulatory Sandbox Development in Europe

Vilnius University - Main Researcher

Design and implementation of a multidimensional measurement framework covering de jure and de facto characteristics of FinTech regulatory sandboxes across EU Member States, Construction of original datasets using web scraping, surveys, and regulatory documentation, Development of a comparative typology of regulatory sandboxes and analysis of adoption trajectories, Production of policy briefs and an open-access analytical dashboard for regulators and policy stakeholders, Project funded under the EU Horizon programme through a Marie Skłodowska-Curie Postdoctoral Fellowship

Water Integrity Risk Indicator (WIRI)

Government Transparency Institute - Lead Analyst

Development of composite indicators to assess corruption and integrity risks using large administrative and procurement datasets, Methodological design combining quantitative analysis with institutional and policy interpretation, Design and implementation of user-facing dashboards to visualise governance and integrity risks, Translation of analytical outputs into policy reports, briefs, and visual tools for international organisations and civil society

Early Warning System for Fintech Supervision

Cambridge Judge Business School - Capstone Project

Design and prototyping of an automated early warning system to support FinTech supervisors and regulatory innovation hubs, Development of a modular analytical pipeline using publicly available textual data to identify emerging FinTech firms, products, and risk signals, Project delivered as a proof-of-concept with a clear pathway towards a user-facing dashboard for regulators