

# Katya Perez-Guzman



Applied research on climate change public policy instruments toward a low carbon economy through qualitative and quantitative methods and modelling, to aid high level decision making within governmental and non-governmental organizations.

## Job Experience

### **4.2017–Today**

Research Scholar • Ecosystem Services and Management • IIASA

### **11.2015–10.2016**

Junior Policy Analyst • Industry 4.0 • Cluster Institute

### **11.2011–4.2012**

Scientific Coordinator • MRV REDD+ Project • UN-FAO

### **4.2004–12.2010**

Program Subcoordinator • Air and Energy Policy • CEMDA

Major projects as member of environmental civil society in Mexico:

- Promote BRT systems implementation and other clean transportation initiatives
- Climate change policy at national and international level (Informed Mexico's Climate Change Program, activities during various COPs)
- Supported efforts to promote Community Forestry Management

For the last two decades, I have been part of the environmental policy and academic networks of Mexico and internationally, analyzing, advocating and educating over several public policy issues. My current project [FABLE](#), crystallizes this experience within a global consortium of climate change policy and research network, where I help stakeholders to model, analyze and better understand the different future policy scenarios of land use, food and agriculture systems. My main responsibility is supporting the Quality Assurance of the FABLE calculator, which is an excel based model that performs integrated analysis of the land use, food, agriculture systems, with inclusion of biodiversity, climate change and water criteria.

## Education

### **FLACSO, Mexico (Aug 2012-Sept 2015)**

- PhD Dissertation: policy analysis on the relationship between oil policy changes and CO<sub>2</sub> emissions in Mexico, 1965-2010

### **UACM, Mexico (Feb 2009-June 2012)**

- Master Dissertation: Complex systems modeling: network analysis



Vienna, Austria



seakmus@gmail.com



<https://www.linkedin.com/in/katya-perez-guzman-056982a7>

of protein-protein interactions with Cytoscape and Gephi

### Languages

Spanish: Native Language; English: 100% reading, speaking and writing;  
German: 60% reading, writing. French 20% reading, writing

### Leadership

Leadership from above and below; excellent analytical and strategic skills; interdisciplinary learning and self-teaching; willingness to learn new topics with a short learning curve; results/ solution oriented with an equal attention to “trees and forest”; team promoter and sustainer; service oriented.

### Publications

#### **Policy reports**

- FABLE (2019). Pathways to Sustainable Land-Use and Food Systems. 2019 Report of the FABLE Consortium. Laxenburg and Paris: International Institute for Applied Systems Analysis (IIASA) and Sustainable Development Solutions Network (SDSN)
- Mijares, T., Guzmán, S., & Pérez, K. (2009). Cambio climático: Una mirada regional en México, Centroamérica y el Caribe. Oxfam, Mexico

#### **Articles/Chapters**

- Vita Garza, Ricardo Gibran and Tijerina, Walid and Hernández Paz, Abraham Alfredo and Berlanga Ramírez, Jorge Hipólito and Cantú Rivera, Humberto, Pérez-Guzmán, Katya and Tellez-Leon, Isela Elizabeth and Duthoy Figueroa, Alain E., *Perspectivas Globales Para La Transición Energética De México: Retos De Gobernanza Y Sustentabilidad (Global Perspectives for the Energy Transition of Mexico: Challenges of Governance and Sustainability)* (October 1, 2019). ISBN 978-607-8485-46-8, (2019). Available at SSRN: <https://ssrn.com/abstract=3497822>
- Mutis, A. P., & Pérez-Guzmán, K. (2019). The Natural Resource Curse and Financial Development of Mexico. Chapter 10 in Levy, N., & Bustamante, J. (Eds.) *Financialisation in Latin America: Challenges of the Export-Led Growth Model*. Routledge.
- Pérez-Guzmán, K., León, I. E. T., Kharrazi, A., Fath, B., & Martínez, F. V. (2018). What makes Input-Output Tables of Trade of Raw Material Goods Peculiar Networks? The World and Mexican Cases. *Revista Mexicana de Economía y Finanzas (REMEF): Nueva época*, 13(4), 483-505.
- Pérez-Guzmán, K., & Mutis, A. P. (2018). Latin American Neoextractivismo: Split or Deepening of the Liberal Model of the Economy? *Efil Journal of Economic Research*, 1(4), 8-35.
- Perez Guzman, K (2016) “Petróleo, Reforma Energética y Energía hacia un desarrollo bajo en carbono para México: la paradoja de la abundancia y la nueva paradoja climática”. Chapter 4 in Palacios, Esther Frutos, Moises, (Eds.) *El impacto de la reforma energética en México: una mirada nacional y regional*, UAM Mexico
- Puyana-Mutis, A., Santillán-Vera, M., & Pérez-Guzmán, K. (2014). The relation between oil production and the CO2 emissions of the manufacturing sector: a decomposition analysis of Mexico’s industry from 1970-2010. In 1st International Conference on Social Sciences and Humanities, ICSH 2014 (p. 517).

#### **Press**

- México y su maldición del petróleo, interview by Amapola Nava for CONACyT. Published in [Ciencia Mx](#), [El Financiero](#), [Vice News](#).

#### **Blogs**

- The carbon curse: Can countries that produce fossil fuels ever get close to a low-carbon economy?, Aug 22, 2017, Nexus Blog, IIASA

#### **Lectures**

- [IIASA-BOKU Lecture Series](#): “Global trade of commodities and the SDGs: a network analysis of the input-output databases related to mining”