



Rodrigo Crespo

Associate

Education

MS – Economics, Pompeu Fabra University, Barcelona, Spain

MS – Public Policy, Tecnológico de Monterrey, Monterrey, Mexico

BS – Economics, Tecnológico de Monterrey, Monterrey, Mexico

Languages

Spanish
English



Experience Summary

Rodrigo is an economist with experience in sustainability, environmental management, and collective action initiatives. He is interested in complex problem-solving, and in developing strategies and solutions based on robust statistical analysis and tools.

For the last seven years he was the director of the Environmental Fund of Monterrey (FAMM), where he was responsible for the development of the 2050 Water Plan for the State of Nuevo Leon, an Energy Audit for Monterrey's water utility, and a statistical analysis of Monterrey's air quality monitoring system.

Through his position at FAMM, Rodrigo oversaw investments to water-offset for Heineken's and Arca Continental's plants in Monterrey. Participated in the environmental governance in Nuevo Leon, as member of the Rio Bravo Basin Council, Technical Committee of Monterrey Water and Drainage Services, Cumbres de Monterrey National Park Council, Environmental Commission of Consejo Nuevo Leon.

Between 2011 and 2014 Rodrigo worked at FEMSA Foundation as head of Watershed Conservation, where he was a portfolio manager for the Latin American Water Fund Partnership's initiatives, and member of the Alliance for Water Stewardship – Latin America and the Caribbean (AWS-LAC).

Representative Projects

- Responsible for developing a Water Plan for the State of Nuevo Leon, with a holistic and long-term perspective, considering water supply and demand, adaptive infrastructure expansion plan, water rights, risk mitigation for droughts and extreme storms, behavioral economics, tariff analysis, among others. The Plan was developed by a request of the Governor of Nuevo Leon, and included multi-sectoral stakeholder engagement, and the establishment of a long-term roadmap for reaching Monterrey's water security. The adaptive infrastructure expanding plan developed, which has been followed by the water utility, implied a reduction of USD 500 million in investment regarding the utility's original infrastructure plan.
- Development of a dynamic tariff simulation tool based on econometric and statistical analysis, and on Monterrey's Water Utility database. The tool permitted to analyze short- and long-term impacts of changes in the tariff scheme, both on water demand and on the utility's income.

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It permitted to simulate a complete change in the increasing block tariff scheme or simple uniform increases or decreases.

- Responsible for the development of an Energy Efficiency Assessment and a comprehensive strategy to increase the level of efficiency of Monterrey's Water Utility and reducing its environmental footprint. The system includes 250 pump stations, and 115 water wells. The project is supported by the Development Bank of Latin America (CAF), with funds of the French Development Agency.
- Technical supervision of the development of the 2020 Air Emission Inventory of the Monterrey Metropolitan Area, a project developed by the Clean Air Institute, the Environmental Fund of Monterrey, Consejo Nuevo León, and the state government.
- Responsible for the development of a statistical and econometric analysis for the assessment and identification of redundant air quality monitoring stations.
- Member of the Latin-American Alliance for Water Stewardship (AWS) Group, during the development of version 1.0 of the AWS International Water Stewardship Standard. During the development process participated in several pilot tests in Mexico, Brazil, and Chile.
- Oversee Water Funds in six countries of Latin America, collective action and financing platforms that address cities' water challenges.

Publications

- 'Developing a Robust Water Strategy for Monterrey, Mexico', RAND Corporation, E. Molina, D. Groves, S. Popper, A. Ramírez, and R. Crespo, 2018.
- 'Post-Fire Debris-Flow Likelihood in the Cumbres de Monterrey National Park', Working Paper, R. Crespo, A. Ramírez, R. Fonseca, 2021.
- 'Investing in Natural Infrastructure via Water Funds: Private & Public Perspectives', Interamerican Development Bank, Washington D.C., 2018.
- 'Water Policy Challenges in the 21st Century', Tecnológico de Monterrey, School of Government.

Executive Courses

- 'Opportunities and Challenges for Mexico's Future', Harvard University, John F. Kennedy School of Government, 2014.
- 'Economics and Regulation', Georgetown, Public Policy Institute, 2005.
- 'Public Policy Challenges: Analysis, Applications and Strategies', Harvard University, John F. Kennedy School of Government, 2004.