

Department of Environmental Science and Policy Seminar Series

Infrastructure, Forecasts, and Crime. Three Economics Studies on Coastal Resilience

Renato Molina

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DATE: Thursday, 9/12/2024 **TIME:** 10:00 am **ROOM:** 120 Cox Annex

Zoom: <https://miami.zoom.us/j/92964807674>



Abstract: This seminar will address three key issues related to coastal resilience, with a specific focus on flooding, sea level rise, hurricanes, and crime. I will discuss the role of adaptation infrastructure, such as drainage systems and shoreline stabilization, in enhancing resilience and how these investments impact property values. I will also explore the economic impacts of hurricane forecasts, explaining how accurate predictions can reduce damages and inform research and emergency planning. Finally, I will examine the economic toll of piracy on maritime shipping, discussing its implications for both coastal and global trade resilience.

Bio: Renato Molina is an engineer and economist specializing in environmental and resource economics, with a focus on the intersection of game theory, sustainability, and institutional settings. His research centers on pricing the resiliency of human and natural systems to inform sound policymaking. He is currently an Assistant Professor at the Rosenstiel School of Marine, Atmospheric, and Earth Science and holds a courtesy appointment at the Miami Herbert Business School, at the University of Miami. Renato is also a Research Network Affiliate at CESifo and a Faculty Scholar at the Abess Center for Ecosystem Science and Policy at the University of Miami. In 2022, he was awarded an Early-Career Research Fellowship by the National Academies of Sciences, Engineering, and Medicine.

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