

Puerto Rico Climate Change Council



The State of the Climate: Puerto Rico

Translating Scientific Knowledge into policy, adaptation and resilience

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2022

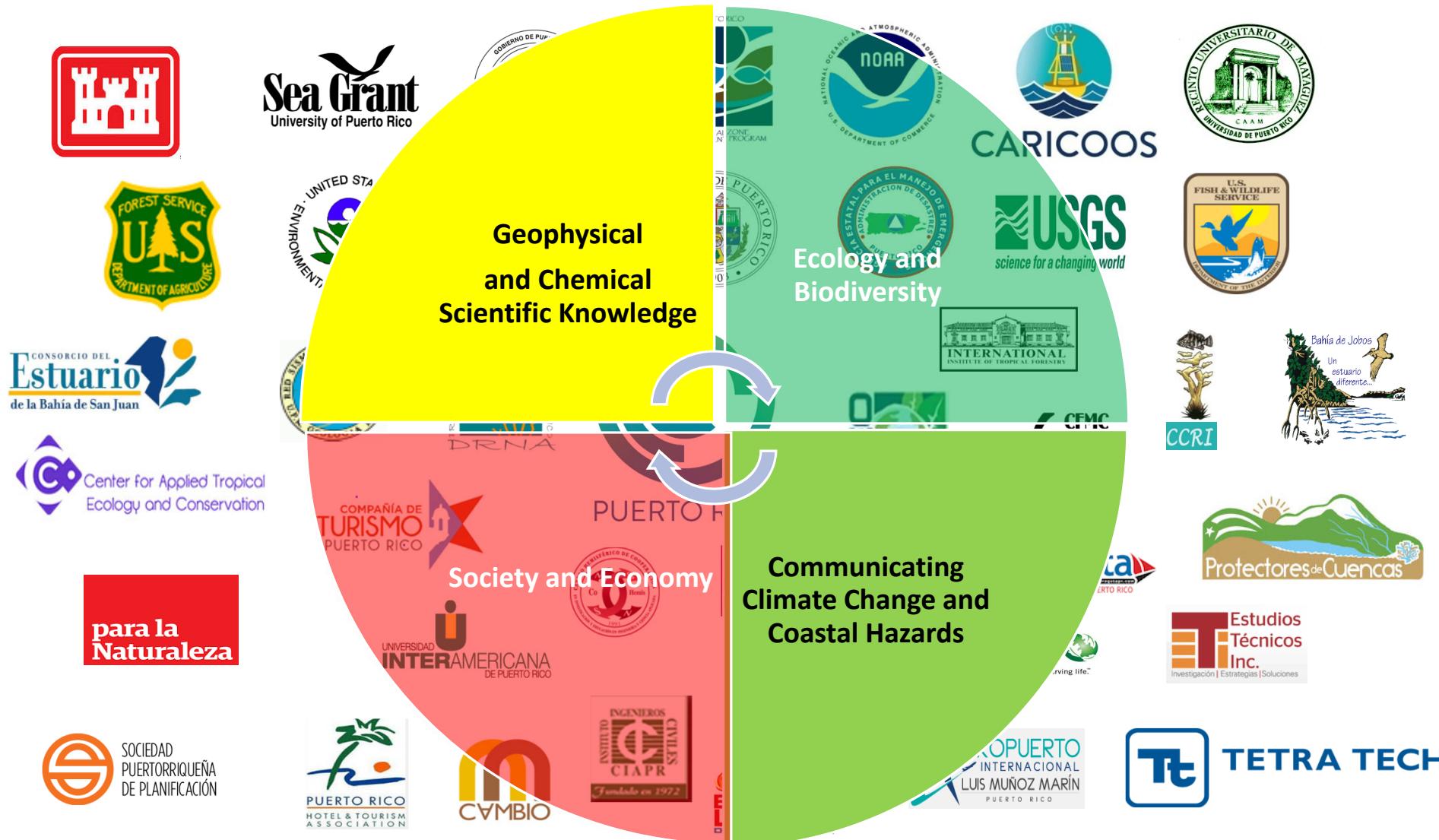


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Mission

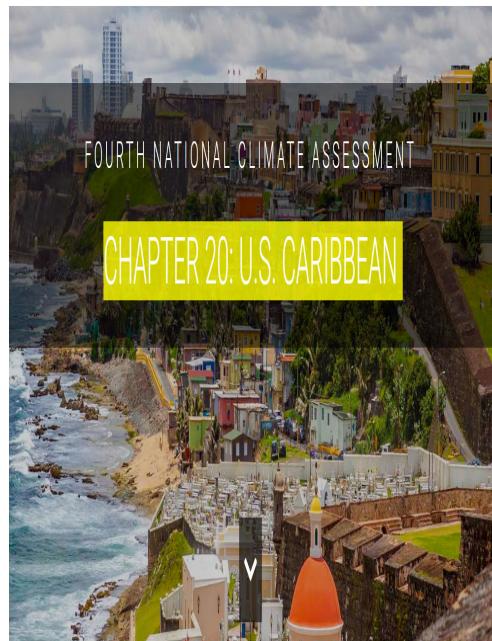
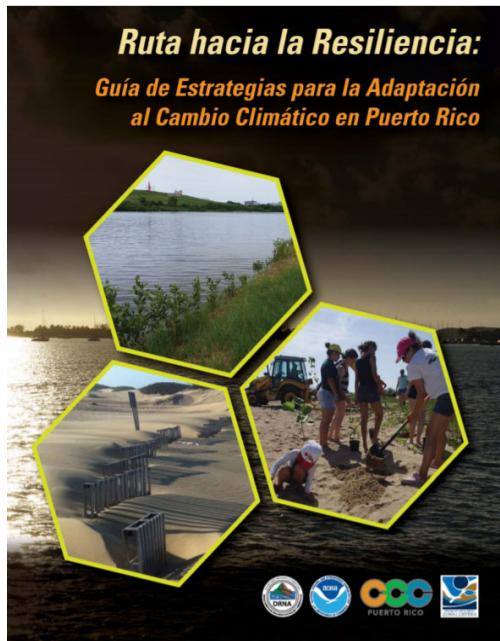
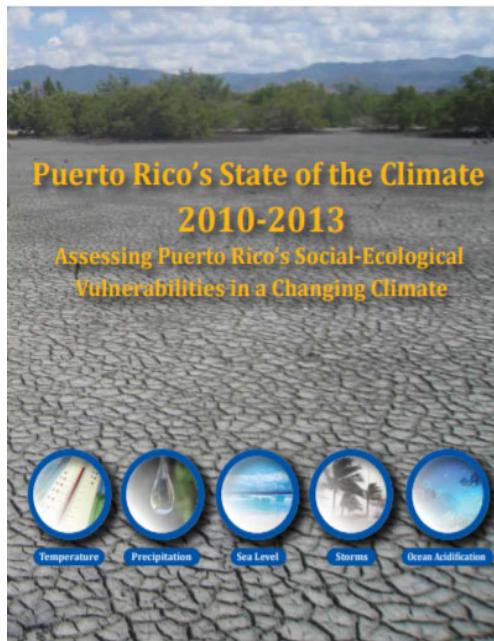
...a voluntary association self-convened since 2009, to assess the state of Puerto Rico's climate, using the best science and knowledge available, understand Puerto Rico's social-ecological vulnerabilities and develop adaptation strategies to build a resilient society.

Membership: 120+





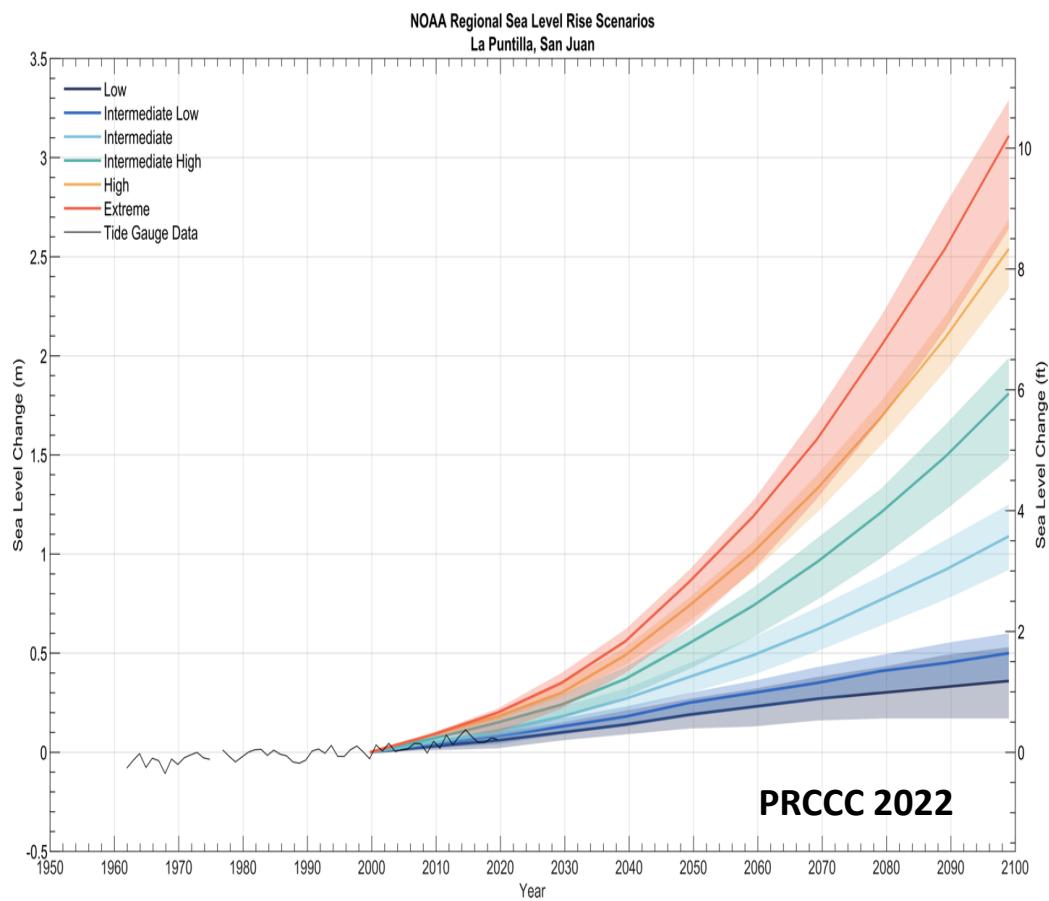
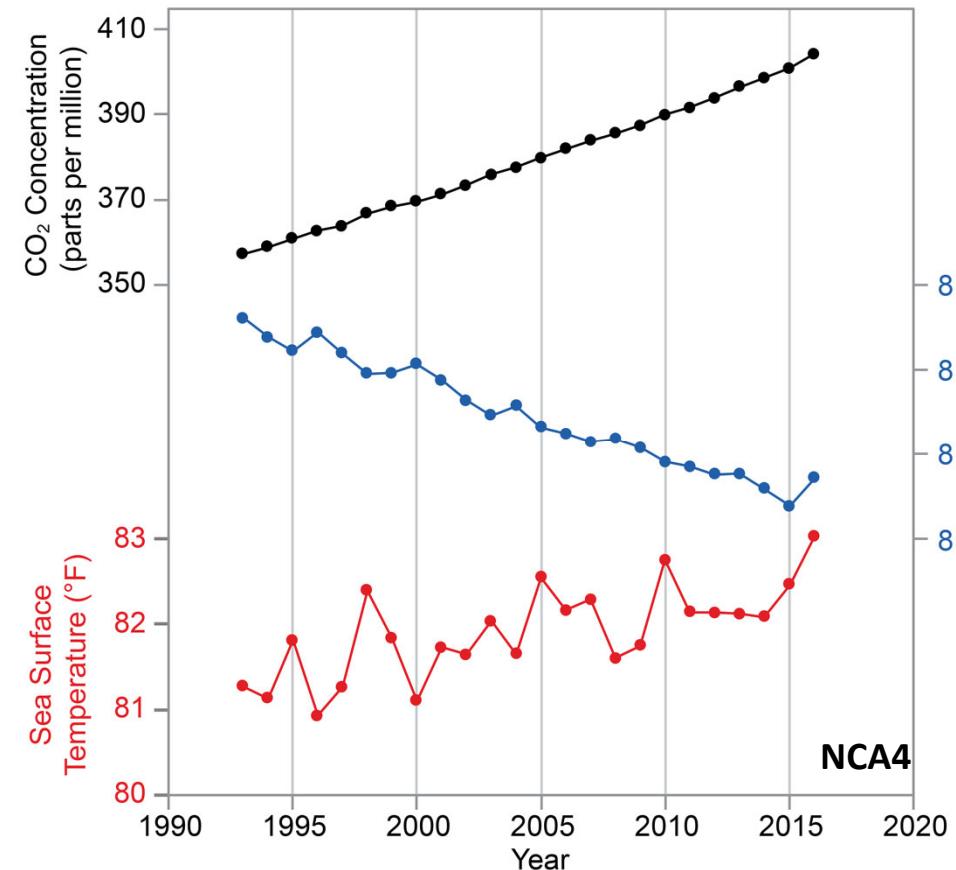
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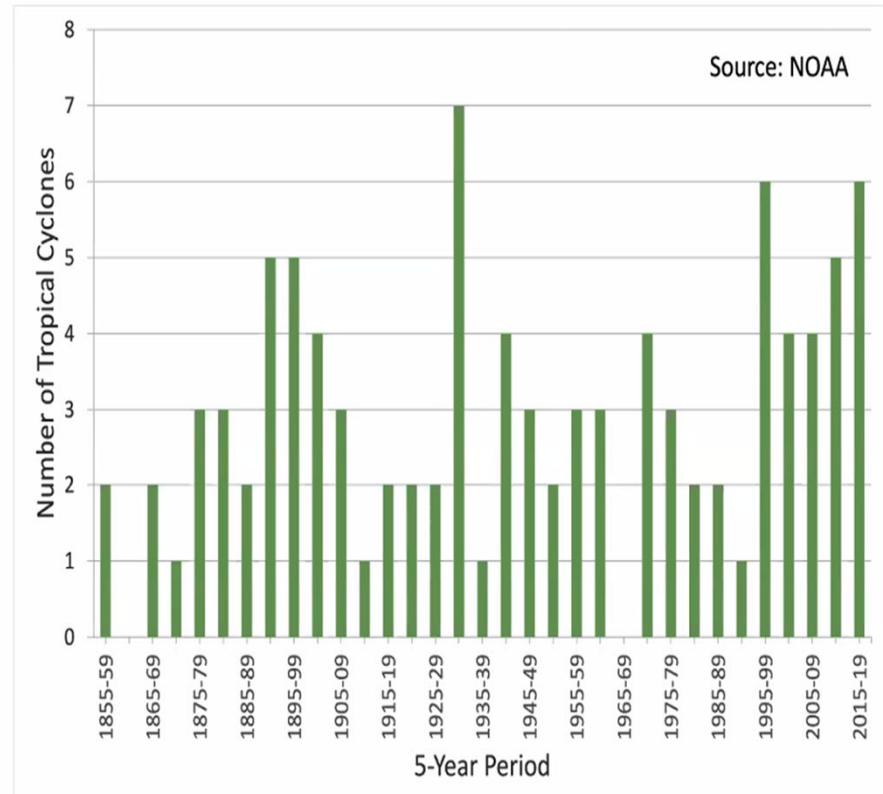
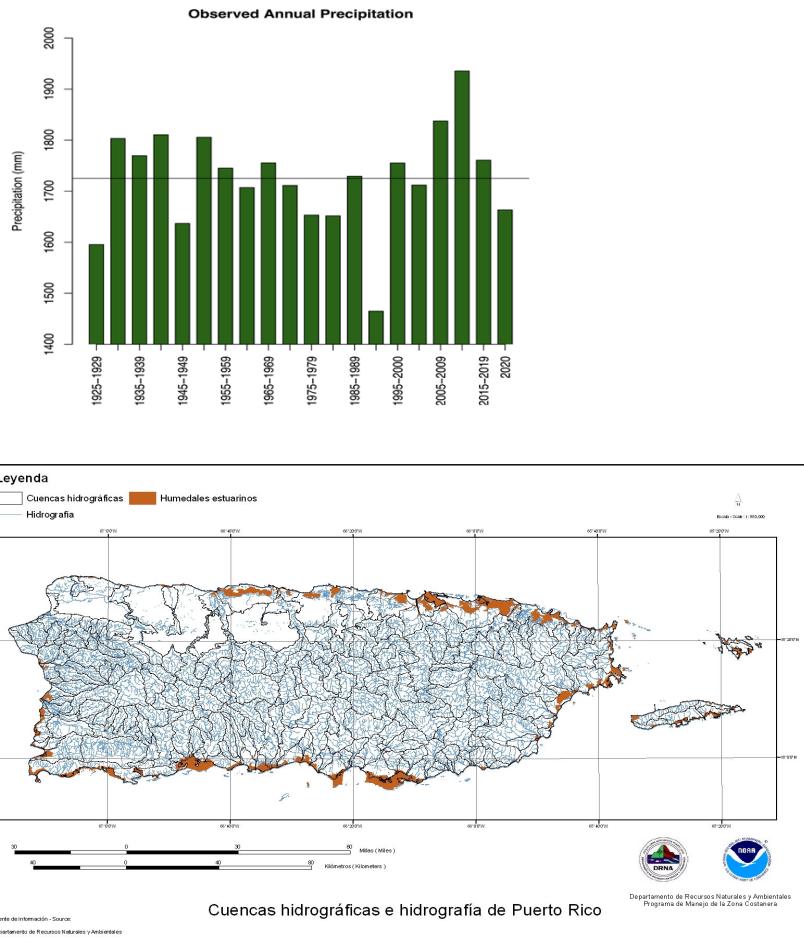


The Fifth National
Climate Assessment

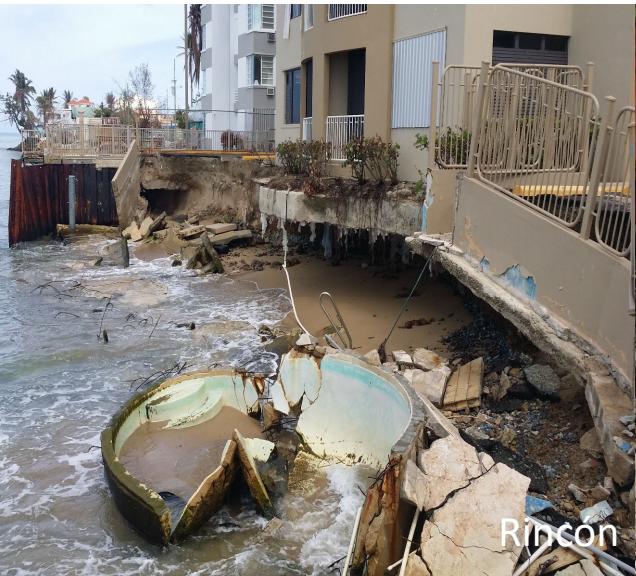


CO₂, Ocean Ph, SST, SLR





Tropical Cyclones in US Caribbean – Active Pattern Over Last 25 Years



Rincón



Mayagüez



Barceloneta



Ocean Park



Palmas del Mar



Punta Tuna

Key messages and needs: Ports/marina operations and Coastal Vulnerability Assessments



- Coastal storm risks and erosion exacerbated by accelerating sea level rise
- Need to increase sea level rise trends information from tide gauges for more areas of PR and USVI
- Need to increase the frequency of Lidar missions for PR and USVI
- Need to collect, process and make available near real time currents data
- Increase currents predictions for more stations in Puerto Rico