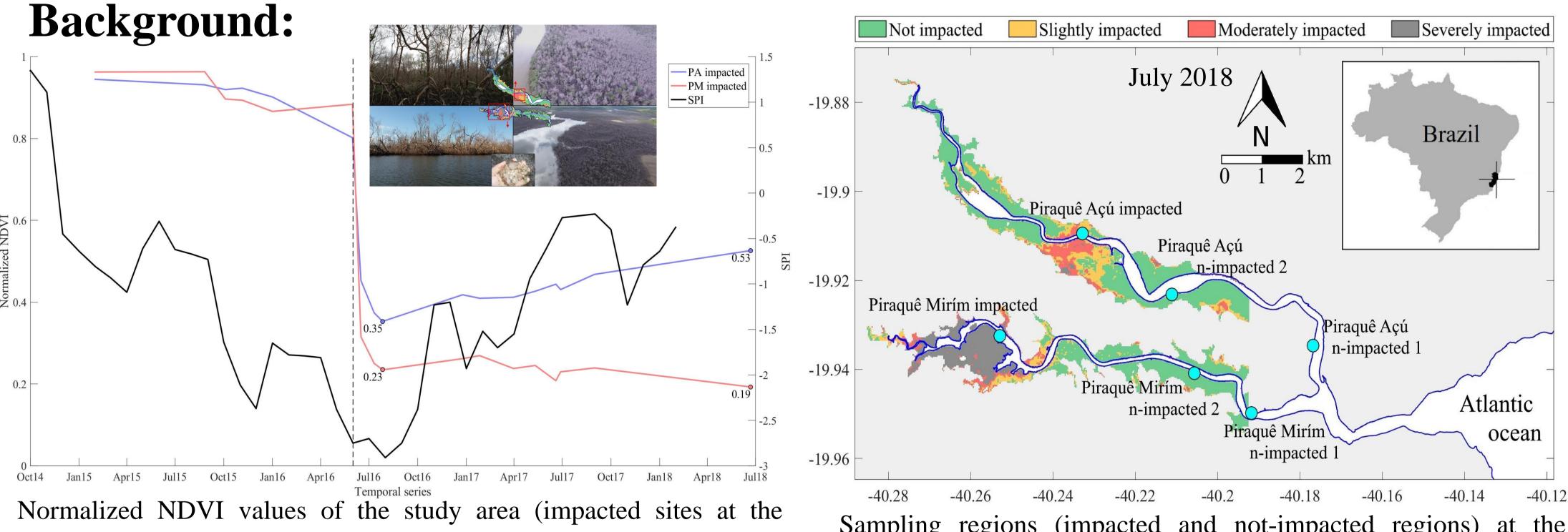
Climate Impacts on Estuarine Ecology: An Environmental and Social Approach

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Normalized NDVI values of the study area (impacted sites at the Piraquê Açu (PA) and Piraquê Mirim (PM) estuaries) before and after the hailstorm (June 2016, dashed black line). SPI = Standard Precipitation Index of the study area.

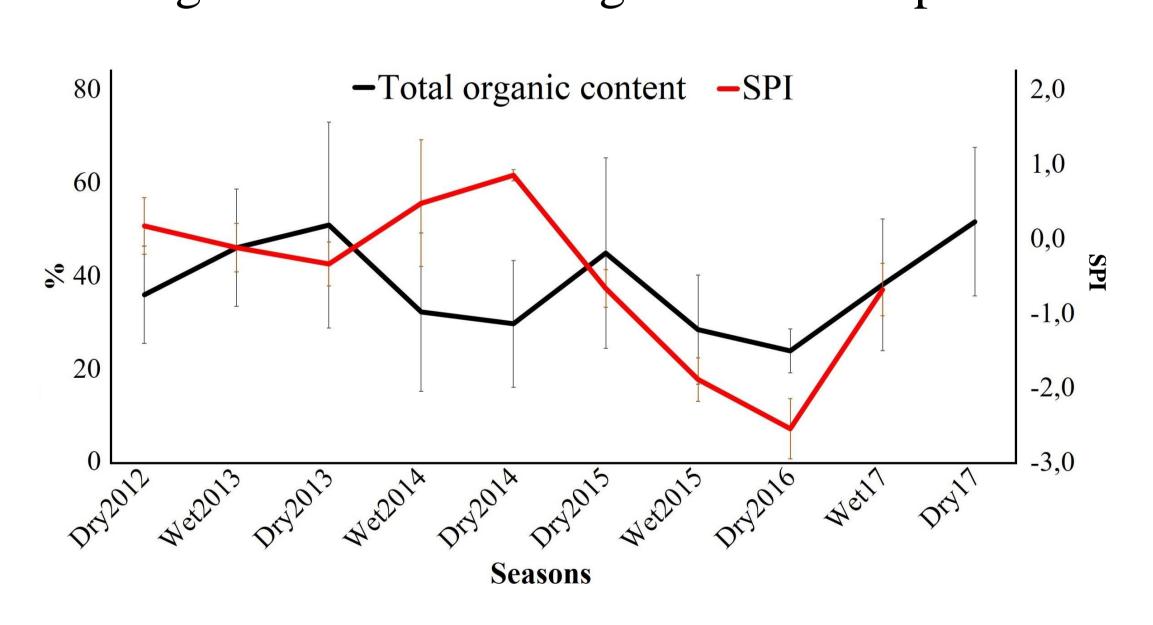
Sampling regions (impacted and not-impacted regions) at the Piraquê Açú-Mirím estuary.

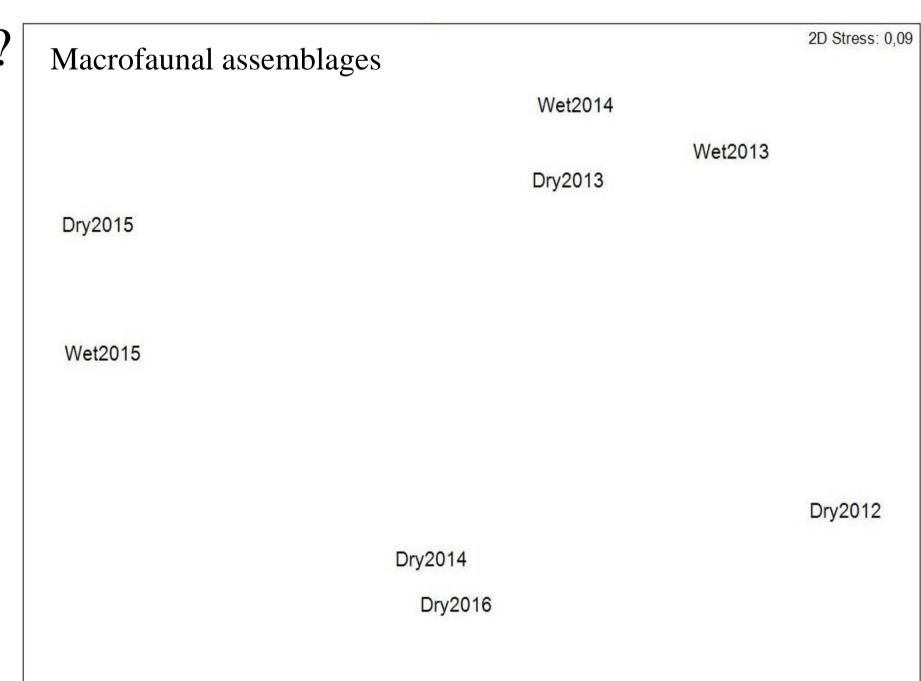
Questions and Preliminary results:

What are the sources and its changes in the human population view?

How the loss of mangrove forest impacts the isotopic signature and benthic ecosystem services?

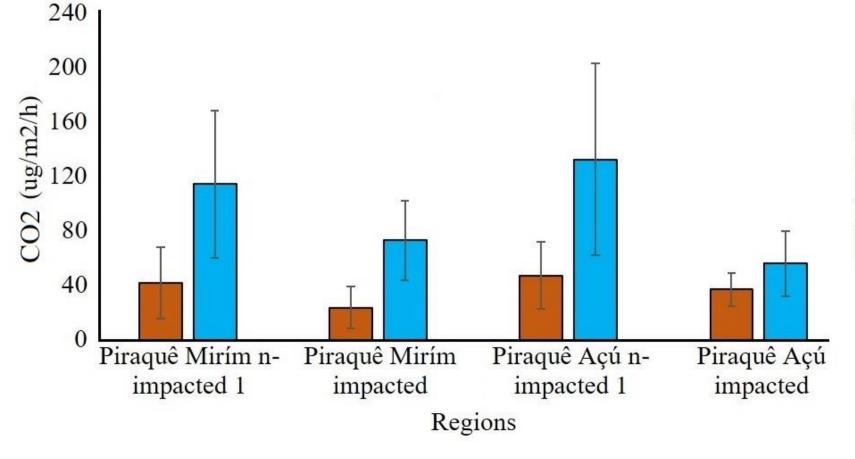
How long-term rainfall changes affect a tropical estuary?

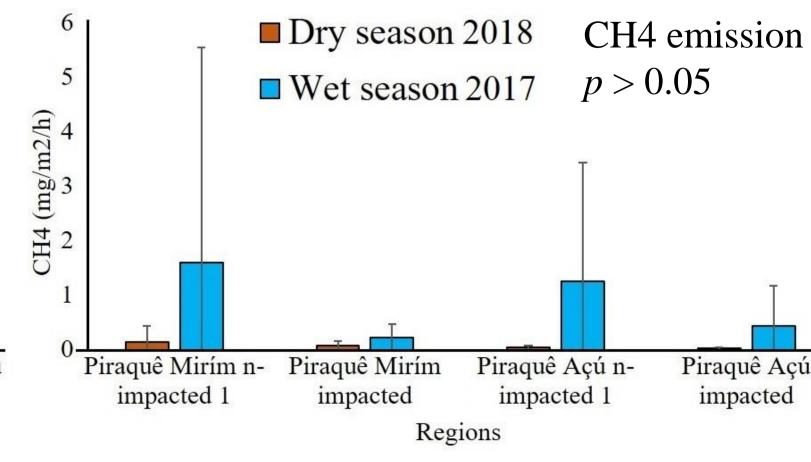




What are the impacts from mangrove forest loss on carbon stock and GHG emission?

CO2 emission in the wet season of both not impacted regions were significantly higher than impacted regions in both seasons.





Acknowledgments







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