São Paulo School of Advanced Science on Climate Change: Scientific Basis, Adaptation, Vulnerability and Mitigation

Climate Change as a cross-cutting theme in Coastal Management: Case study of the Santos Micro-region, São Paulo

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1. Introduction

Sea level rise; storms surges and storm waves; coastal flooding; and saltwater intrusion are some of climate-related drivers of climate change impacts on coastal system[1]. **ADAPTATION** is a measure!

Impacts on urban infrastructure on the coast of the city of Santos (Photo: Danielle Almeida de Carvalho)

In 2015, the city of Santos instituted the Decree that created the Municipal Committee for Adaptation to Climate Change[2]. The pioneer initiative of Santos can contribute to a regional approach to cope with climate change. The National Plan for Coastal Management aim to manage the Brazilian coastal zone "in an integrated, decentralized and participatory manner"[3].

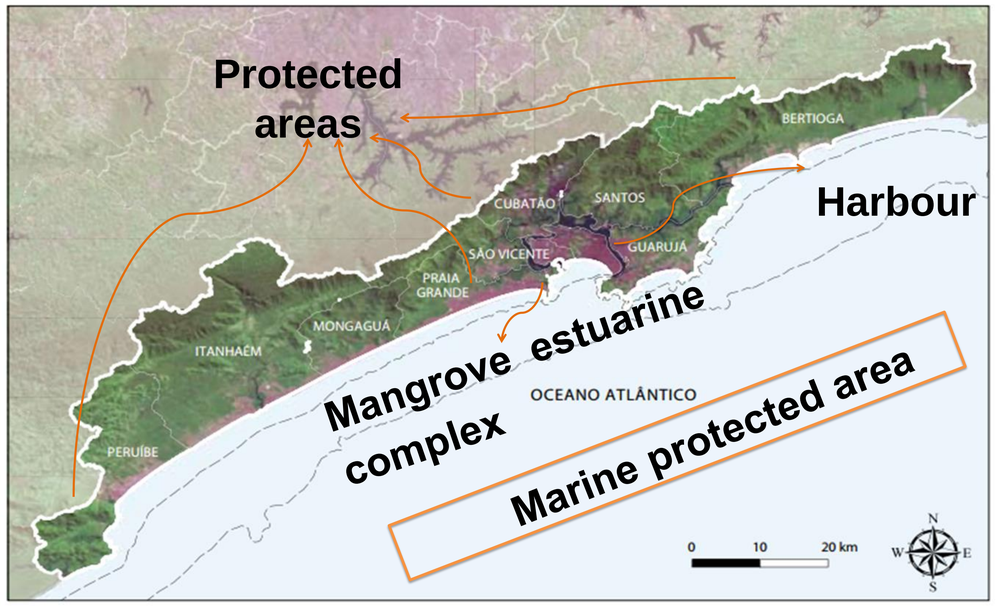
2. Objectives

Analyze the integration between coastal planning and climate change subjects to assist in systemic management among the local and regional stakeholders and their interests.

3. Methodology

To achieve these goals: **(i)** we will identify the key actors of the region; **(ii)** apply questionnaires to understand the perception about the presented problem; and **(iii)** we will propose workshops to integrate these key actors around themes emerging from the interviews.

4. Expected Results



We expect to produce the first diagnosis about potentialities for integration between coastal management and climate change risk management in the Santos Micro-Region.

5. References

[1]Wong, P.P., et al. Coastal systems and low-lying areas. University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 361-409, 2014. [2]Decree No. 7.293 of November 30, 2015. Diário Oficial de Santos, Brazil. Year XXVII, No. 6518. [3]BRASIL. Plano Nacional de Gerenciamento Costeiro – PNGC II. Brasília, 1997