

SOCIAL SURVEYS INDICATING THE RESILIENCE OF URBAN COASTAL LOCALITIES IN MACARONESIA TO COASTAL FLOODING



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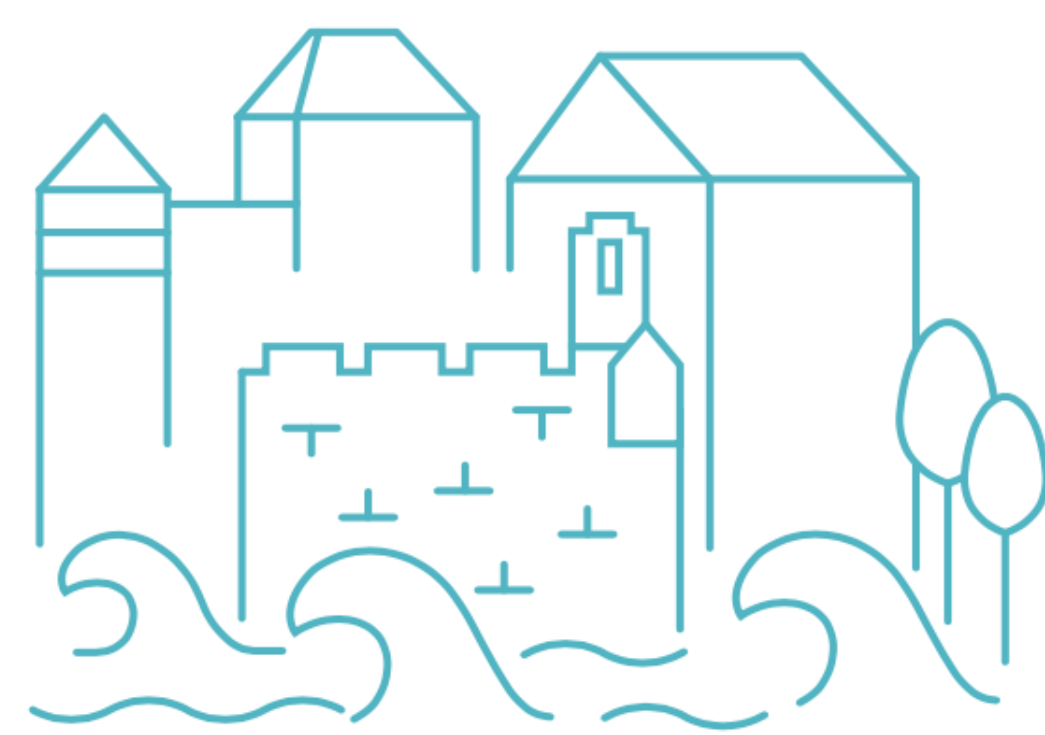
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Introduction

The project LIFE-GARACHICO (LIFE20 CCA/ES/001641) proposes the creation of an effective flexible adaptation framework for the coastal municipalities of Macaronesia, making specific local interventions to increase their resilience against extreme coastal events resulting from climate change.

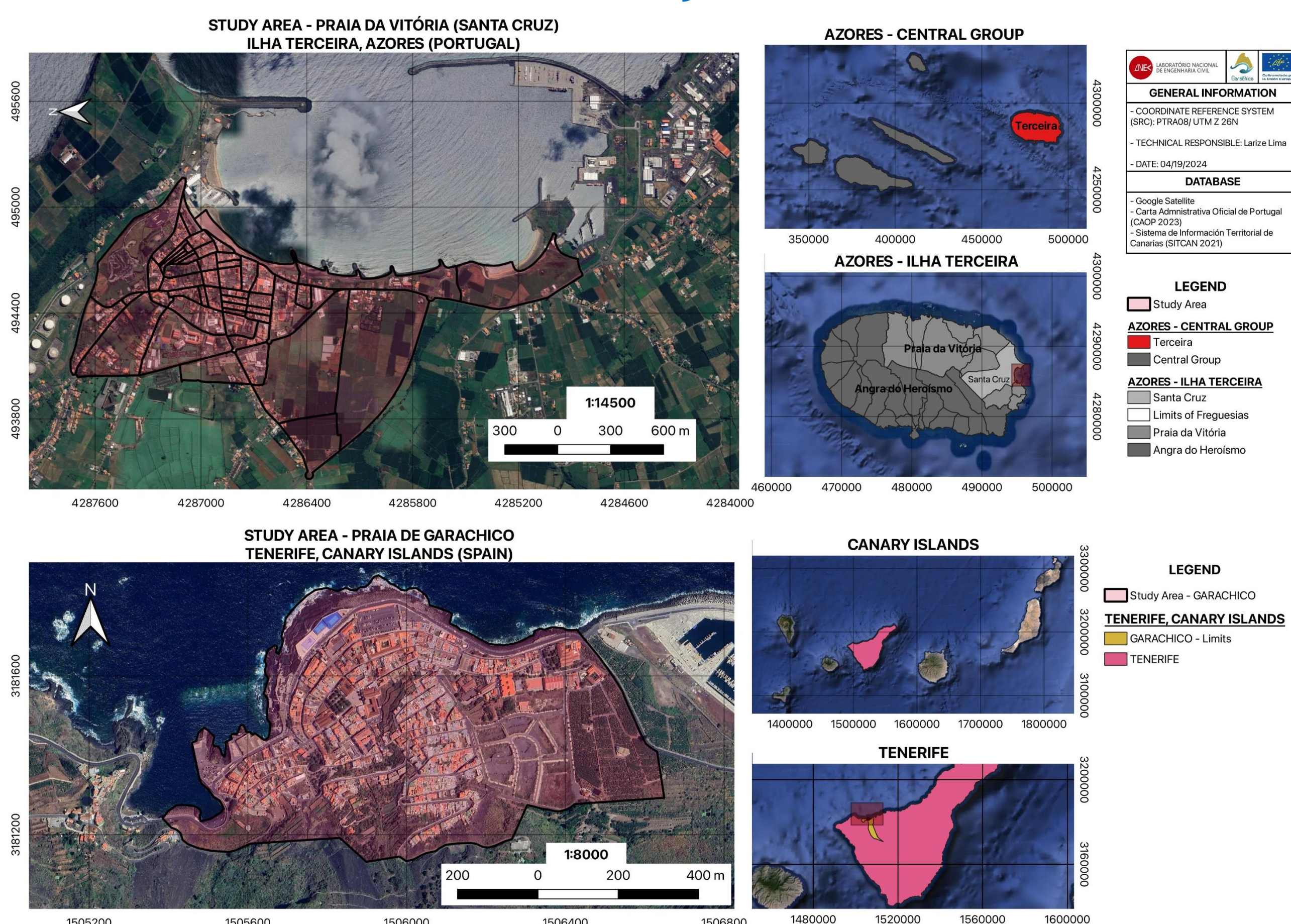


Social surveys were applied in both localities in order to understand the civilians perception of coastal flooding events

Objectives

Making a qualitative evaluation of the results extracted from these surveys in Garachico and Praia da Vitória

Study Area



Methodology

The surveys addressed 4 thematic dimensions:

- 1- Sociodemographic information;
- 2- Previous experiences with coastal floods;
- 3- Information about coastal floods in their daily lives;
- 4- Resilience to face future floods.

References

Barroso, J. G., & Cruz Modino, R. (2023). Informe sobre la percepción del riesgo por inundación en el sitio piloto (Garachico). Private Document. Project LIFE-GARACHICO (LIFE20 CCA/ES/001641).

Results



Discussion

Populational Characterization:

- 68% of the population is above 41 years old in PV and about 64% is above 46 years old in Garachico
- 70% have completed, at most, secondary education in Garachico, against 62,5% in PV

Experience with coastal floods:

- 18.3% of the PV's population claims to have been affected by coastal floodings, compared to only 12.3% of Garachico's population
- The affected claim not having any type of assistance (70% in Garachico and 83,3% in Praia da Vitória)
- In daily life, the population of Garachico feels more previously informed about the risk of coastal floods (58.7%) than the population of Praia da Vitória (23%)

Sense of safety:

- The population of Garachico considers themselves much more prepared (73%) than the population of Praia da Vitória (only 30%), to face a coastal flooding event.

Conclusions

The population of Garachico seems more resilient than the population of Praia da Vitória, since they are more informed and better supported/assisted when coastal flooding events happen.

Working together with the local population allowed a deep understanding of its level of awareness to coastal flooding, how is its behavior to deal with the problem and how is the relationship/level of trust between the population and the municipal administration.