

WHY BEACHES ARE IMPORTANT?

Beaches are complex and dynamic environments shaped by the constant interaction of marine and terrestrial processes, as well as human activities, acting across multiple spatial and temporal scales.

Beaches provide ecosystem services that are essential for the environment and human well-being:

- Coastal protection
- Biodiversity
- Economic development
- Cultural value



Changes Demographic Social Environmental

CARRYING CAPACITY DEFINITION

- Relationship between the available beach area and the occupancy level.
- "Maximum number of people that can visit a tourist destination simultaneously, without causing the destruction of the physical, economic, and socio-cultural environment, and a decrease in the quality of visitor satisfaction." (WTO, 1981; Zacarias et al., 2011).

On the assessment of the beach carrying capacity through an integrated geo-environmental characterization in the context of climate change Sasso C.¹, Rizzo A.¹⁻² & Mastronuzzi G.¹⁻²

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92) and Cifuentes et al. (1999). It is based on three	pho
Is of carrying capacity: physical carrying capacity (PCC),	20
carrying capacity (RCC) and the effective or	et
missible carrying capacity (ECC) (Huamantinco et al., •	So
6; Rodella et al., 2020)	sec
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Chen C.-L., & Teng N. (2016) - Management priorities and carrying capacity at a high-use beach from tourists' perspectives: A way towards sustainable beach tourism Marine Policy, 74, 213–219 Silva S. F., & Ferreira J. C. (2013) - Beach Carrying Capacity: The physical and social analysis at Costa de Caparica, Portugal Journal of Coastal Research, 65, 1039–1044. Simeone S., Palombo A. G. L., & Guala I. (2012) - Impact of frequentation on a Mediterranean embayed beach: Implication on carrying capacity Ocean & Coastal Management, 62, 9–14. Zacarias D.A., Williams A.T., & Newton A. (2011) - Recreation carrying capacity estimations to support beach management at Praia de Faro, Portugal Applied Geography, 31(3), 1075–1081.



any studies are based on data collection, observation of otos, and distribution of questionnaires (Ribeiro et al. II; Silva & Ferreira 2013; Chen & Teng, 2016; Zacarias

me approaches takes into account the amount of diment removed from the beach and the changes in the