



### Management of Nesting Beaches

The management of the Nesting Beaches aims to optimize the parameters that affect the successful reproduction of the loggerhead sea turtle. Individual objectives are:

- The successful mating of the Loggerhead Sea Turtle
- The successful coming ashore of *C. caretta* to the Nesting Beach
- The successful nest creation
- The successful development of the embryos
- The successful hatching of the eggs and uninhibited emerging of the offspring from the nest to the sea

The management of the nesting process includes three interdependent levels:

- Nesting Beach
- Surrounding terrestrial zone of the Nesting Beach
- Marine area

The main parameters that are estimated in the three levels, in order to achieve successful management are:

- Abiotic factors of the area, such as sand humidity in various depths, beach width and slope, grain size composition of the sand, sand and sea temperature, undulation e.t.c.
- Biotic factors such as the type and density of vegetation, predators of eggs and hatchlings, marine flora and fauna e.t.c.
- Human interventions and activities such as noise and light during night, creation of artificial obstacles at the Nesting Beach area, artificial alterations of the surrounding terrestrial zone of the Nesting Beach, professional and recreational fishing, boat movements e.t.c.



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