

ONE OCEAN SCIENCE CONGRESS

NICE - June 6th 2025 0052025-396

18-YEARS OF GREEN SEA TURTLE MONITORING ON TETIAROA ATOLL, FRENCH POLYNESIA: **KEY RESULTS AND PATHS TO THE FUTURE?**

Dr. Cécile GASPAR **Founder & Strategy Director**













Dr. Cécile GASPAR, founder and strategy director



Key points between 2007 and 2025 nesting seasons

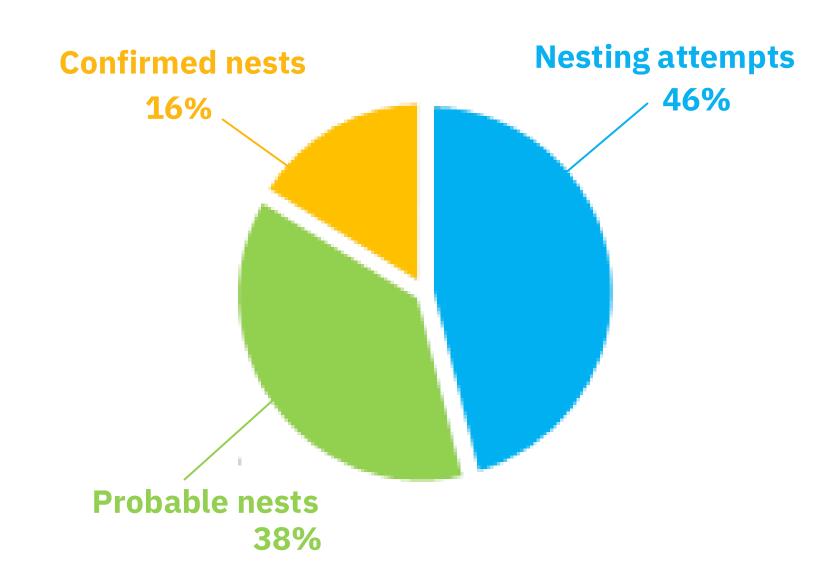
- 8,266 nesting crawls
- 1,366 confirmed nests
- 372 females identified
- 352,789 hatchlings
- 27 females recaptured
 - 24 between 2 seasons
 - 3 between 3 seasons

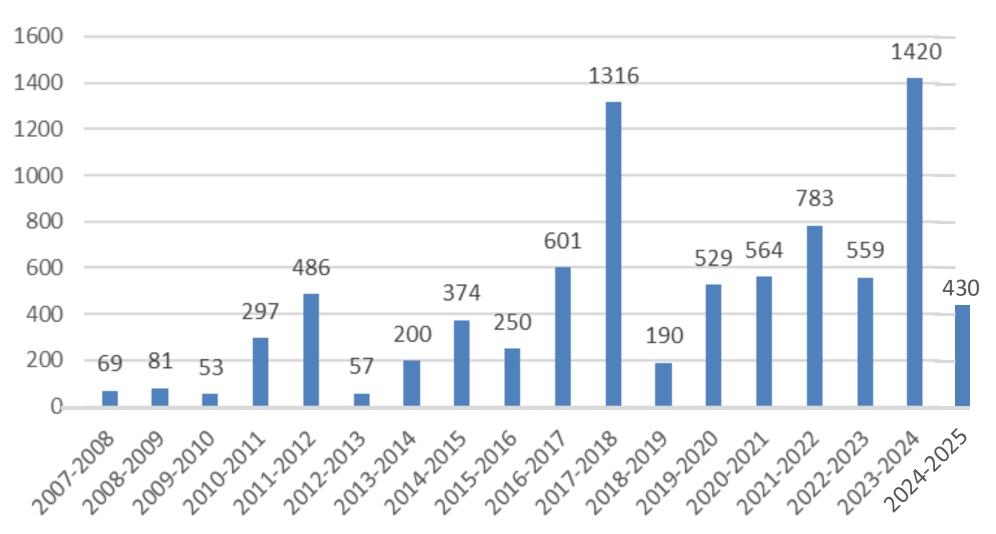


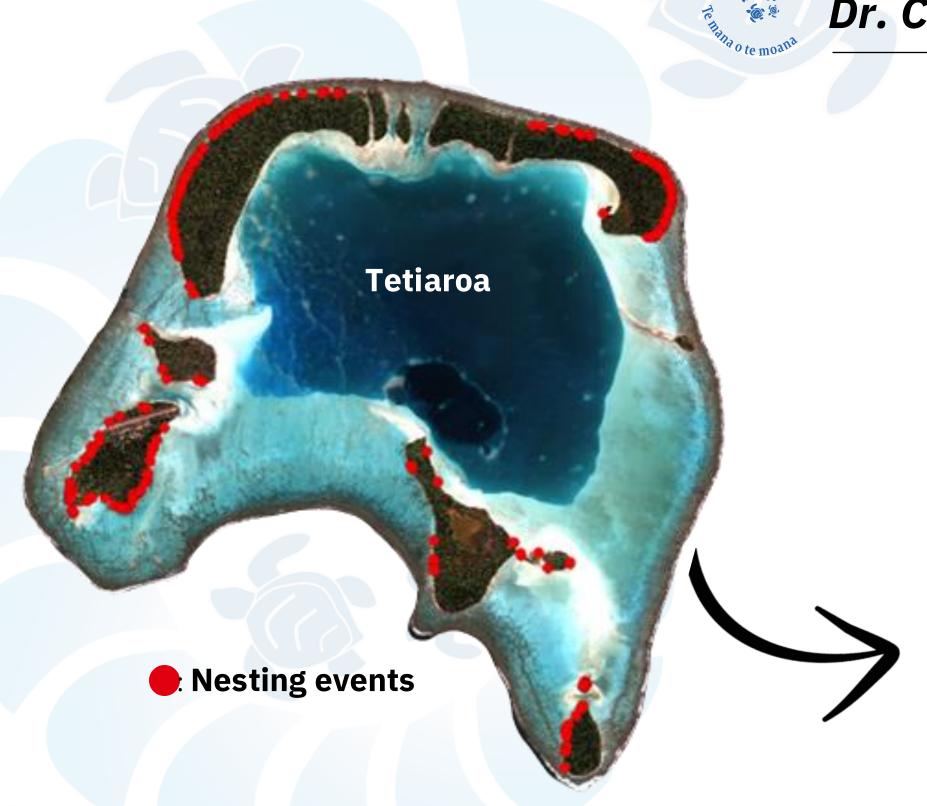
Dr. Cécile GASPAR, founder and strategy director

Nest-to-track ratio

Evolution of sea turtles nesting crawls

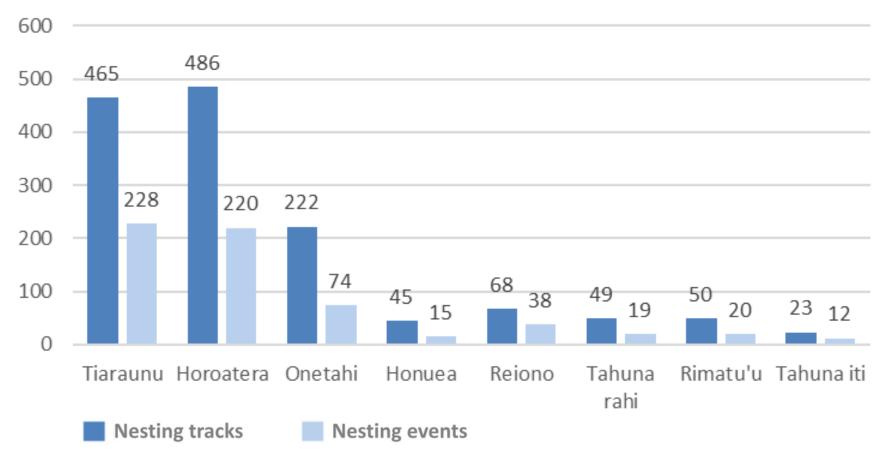


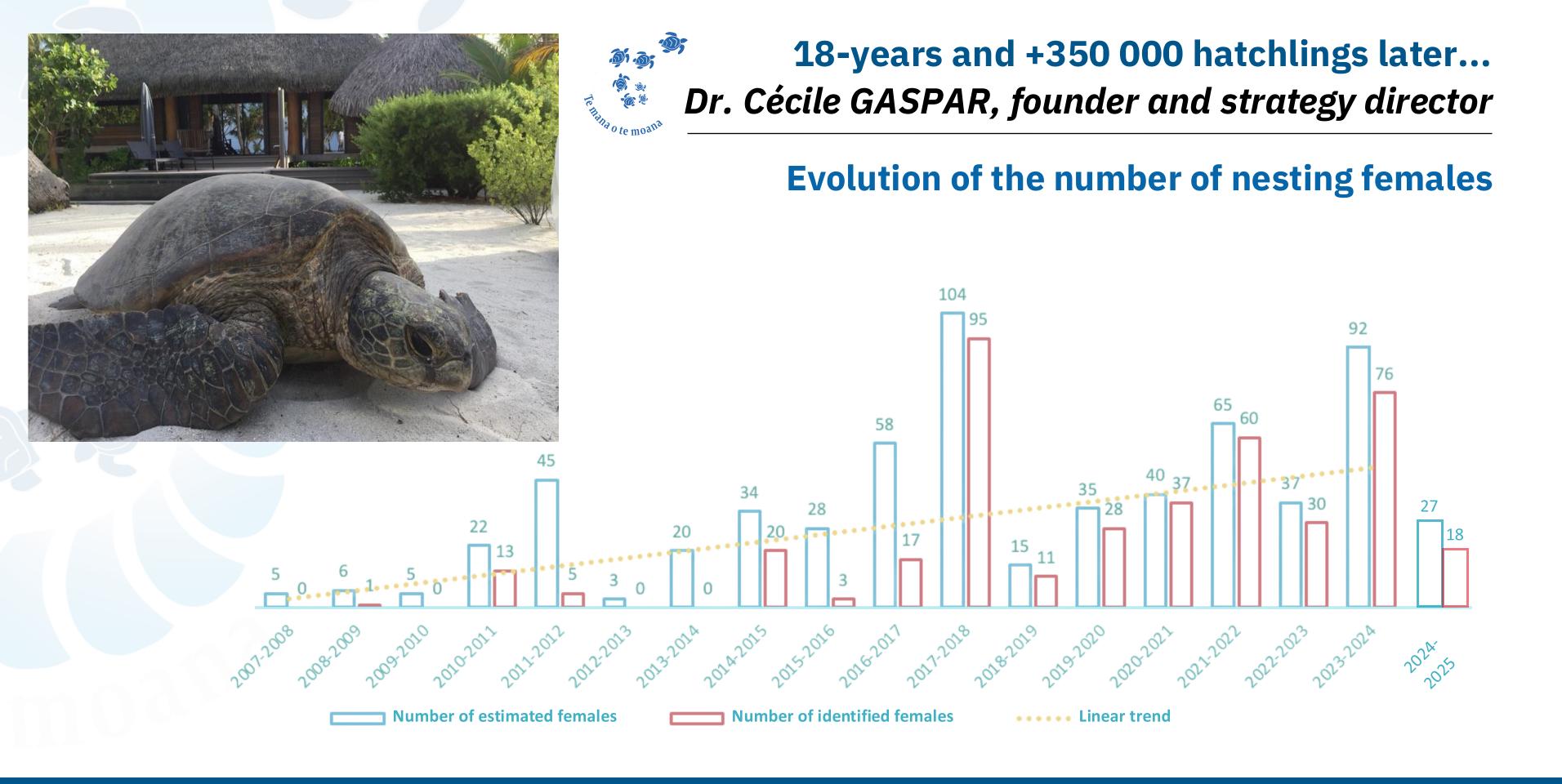




Dr. Cécile GASPAR, founder and strategy director

Evolution of average nesting crawls and confirmed nests







Dr. Cécile GASPAR, founder and strategy director

Ex. AHOROA

- Observed across 3 different nesting seasons
- 20 nests laid
- 975 hatchlings







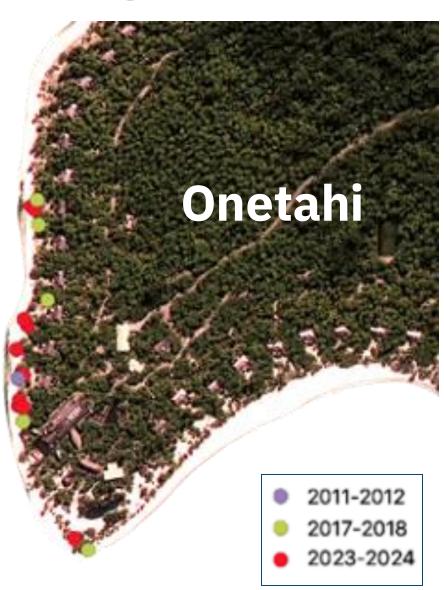
2017-2018





2023-2024

Remigration interval



Satellite telemetry



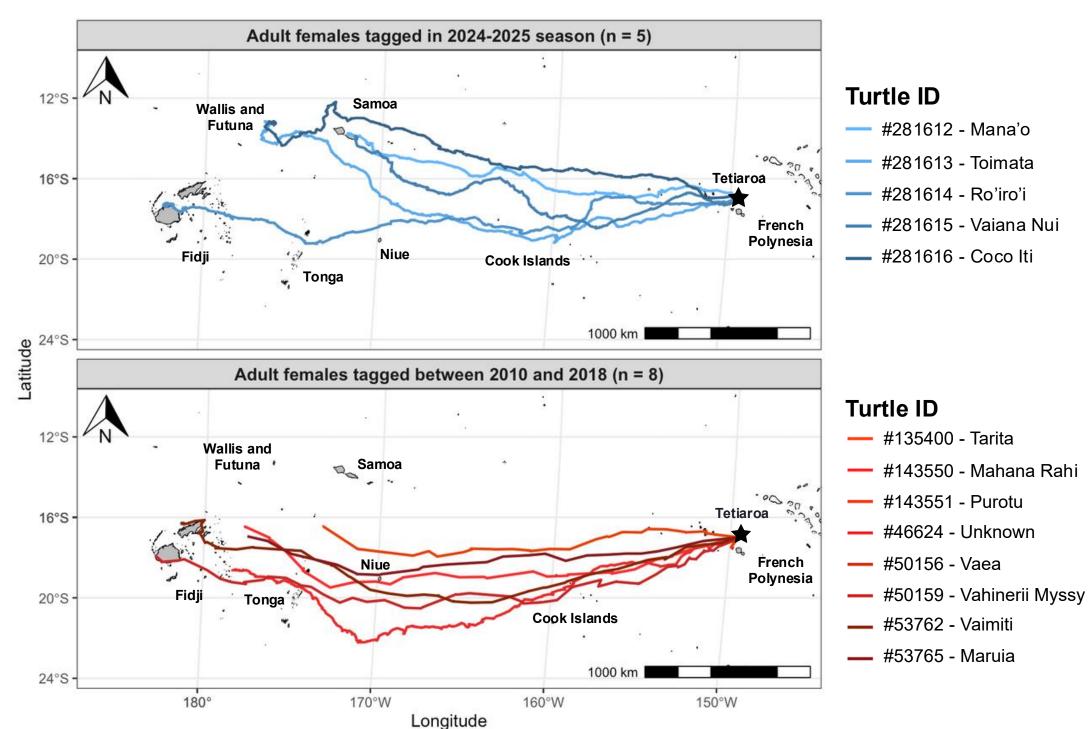
Map of post-nesting migration routes



Finance of the modula

18-years and +350 000 hatchlings later...

Dr. Cécile GASPAR, founder and strategy director



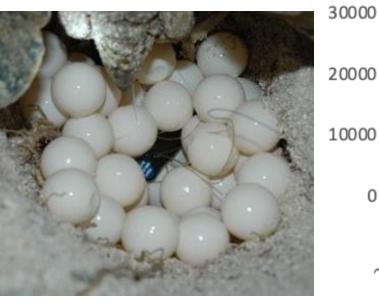


60000

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18-years and +350 000 hatchlings later... Dr. Cécile GASPAR, founder and strategy director

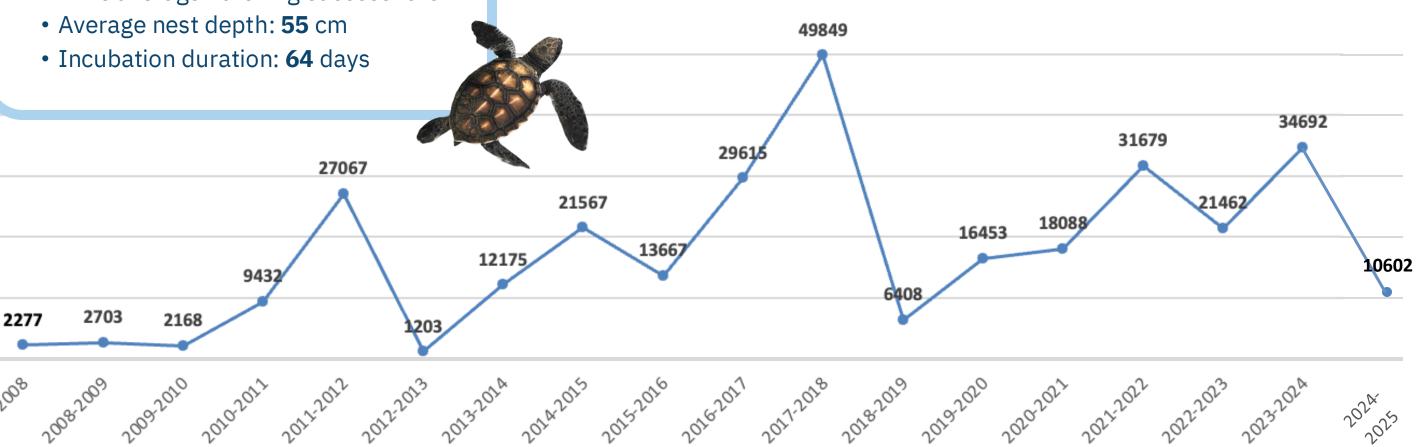
Approximately **350,000** hatchlings emerged, with over **25,000** observed by Te mana o te moana

• 88 eggs laid per nest (on average)

• 81 eggs hatched per nest

• 91% average hatching success rate

Seasonal variation in the number of eggs





Predator protection measures Placement of a circular mesh around nests:

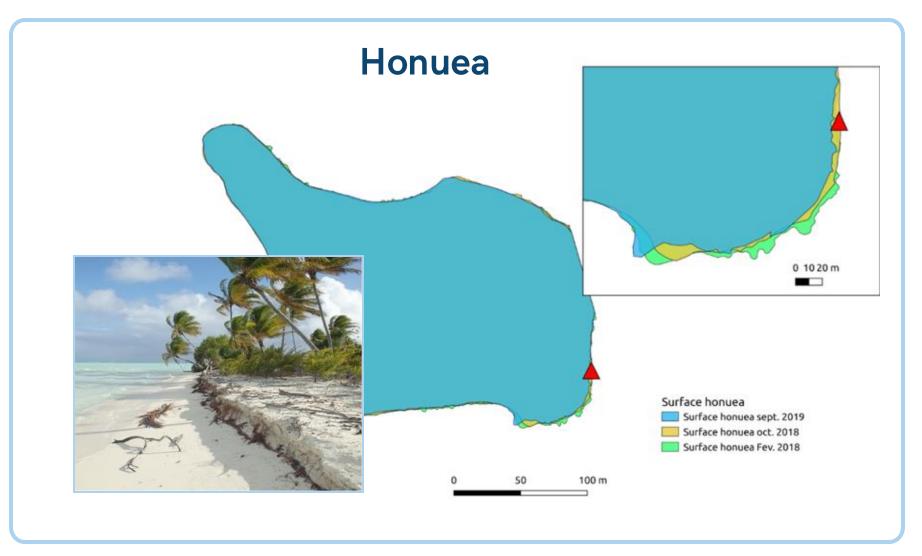
Protects against predators (mainly crabs)
 Reduces the impact of light pollution
 Allows monitoring of hatchling health
 Enables genetic sampling







Influence of nesting beach erosion

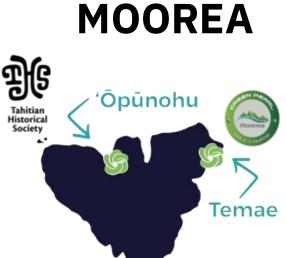




"Fa'atura te tahatai" project

The aim of the project is to restore native plant communities by adopting *Nature-based Solutions* to mitigate coastal erosion at three key sites in French Polynesia:

















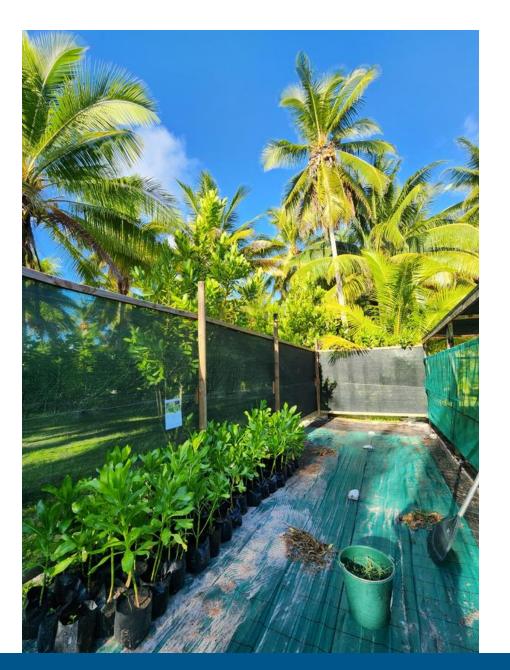




"Fa'atura te tahatai" project

At Tetiaroa, native plants were grown in a **nursery** for **reintroduction** at green sea turtle nesting beaches.











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Thanks to Sylvia EARLE and the Mission Blue Team



Financeurs privés





































































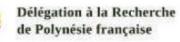


Financeurs institutionnels



































Partenaires privés















Partenaires institutionnels







Thanks to our partners



Special Thanks to our team!

