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CLIMATE CHANGE & ART
THE CHANGE IN BIODIVERSITY
IN THE SEAS OF GREECE
GLOBAL WARMING AND IT'S CONSEQUENCES

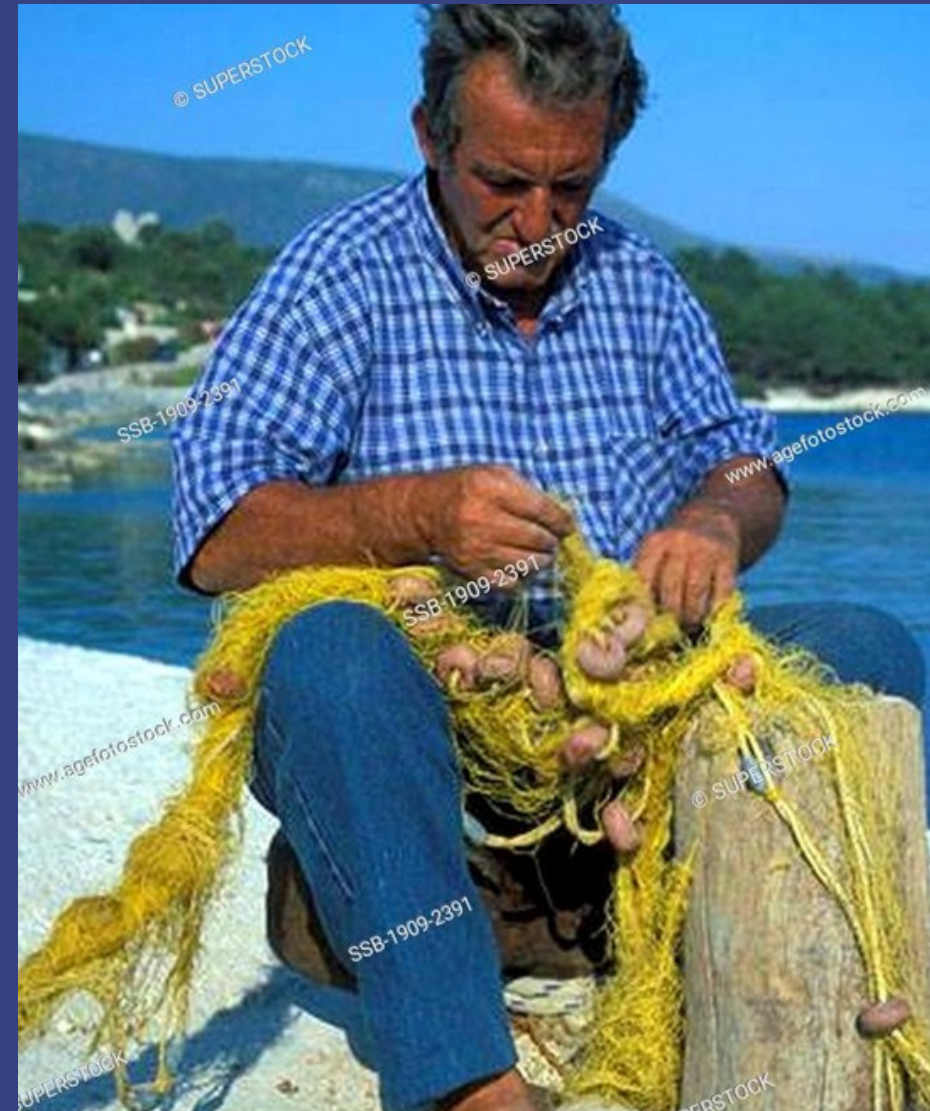




MORPHOLOGY OF GREECE'S SEAS

Greece is one of the richest countries in terms of biodiversity in Europe. It has an extensive coastline of 15,000 km, with more than 4,000 islands and islets of high natural and historical value. The particular geomorphology and the prevailing mild climate favor the development of a wide variety of terrestrial and marine ecosystems which provide home to rare species of flora and fauna

Because of the overheat, many fish species draw away from the coasts, and immigrate to deeper waters or even closer to the poles, in order to find lower, more appropriate, temperatures. Not only is this more destructive for our seas but also for our coastal fishers, from which comes half of the fishery production. Less fish means less food and lower income for the fishers while their own safety is now to be put at stake, as they are forced to sail further away from the shore and in awful weather conditions to ensure their income.



As the results of climate crisis intensify, more fish immigrations are expected to happen in the Mediterranean, more changes and physical mutations of common fish are expected to happen in order for them to adapt to the higher temperatures.



Moreover many new species have invaded Greek seas the last few years such as the lionfish, which results in the decrease of common mercantile species such as anchovies and sardines.



Bionvasions threaten marine enviroments as they can harm native species across all trophic levels.

NEW SPECIES:

- The sea urchin "diadema setosum"
- The hearfish
- The lionfish
- The purpoe jellyfish (Pelagia notiluca)





ENDANGERED SPECIES

- 4 species of dolphins are at risk in Greece due to rising temperatures and sea water pollution
- 3 whale species are endangered by human intervention-activity
- Monachus monachus seals
- 3 species of turtles in the Mediterranean, out of the 7 worldwide (loggerhead turtle, green turtle, leatherback turtle)

Voluntary organizations that help to fight the problem

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WWF GREECE
Addressing the interaction
between small scale fisheries
and marine megafauna in
Greece

(<https://aegeansanctuary.com/>)



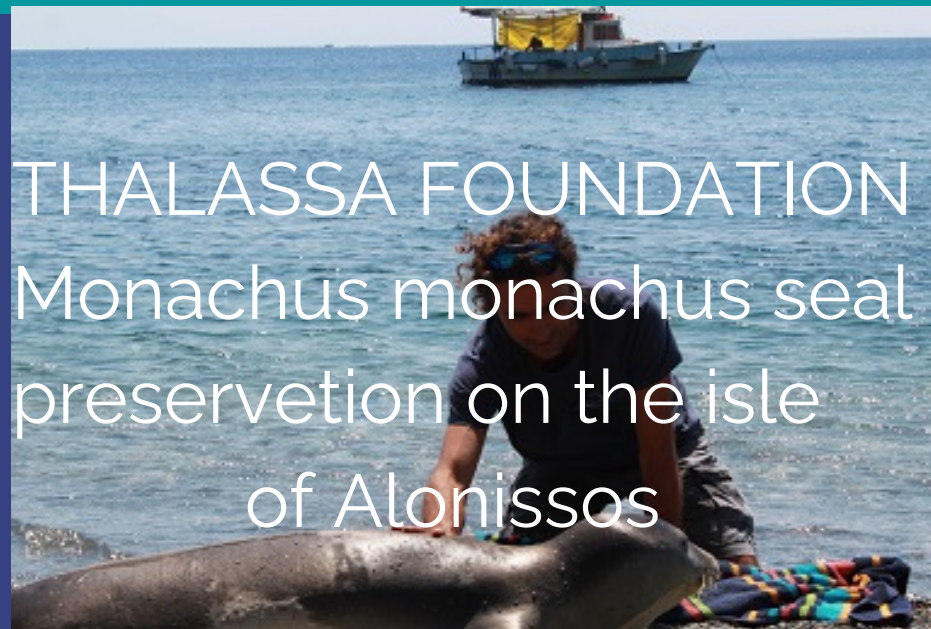
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ARCHIPELAGO
Research and conservation
work on marine mammals of
the Aegean Sea



3

THALASSA FOUNDATION
Monachus monachus seal
preservation on the isle
of Alonissos





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