MITIGATING CLIMATE CHANGE BY CONSERVING SEAGRASS AND THE BIODIVERSITY IT SUPPORTS







Mitigating climate change by conserving seagrass and the biodiversity it supports -

(2019-2023 - € 4,780,000)



Conservation of biodiversity, seagrass ecosystems and their services - safeguarding food security and resilience in vulnerable coastal communities in a changing climate.



How?

The Seagrass Ecosystem Services Project works in partnership with technical and scientific experts to empower local NGOs and coastal communities at the project sites to protect seagrass ecosystems through:







Assessing seagrass health and ecosystem services.

Empowering coastal communities with citizen science.

Integrating seagrass into policy frameworks.

Diversifying livelihoods by developing community-led enterprises.

Advocating the value of seagrass.

What services do seagrass ecosystems provide?



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Fisheries: seagrasses support global fisheries and provide nursery

Biodiversity: by providing shelter and feeding grounds including megafauna species such as dugongs and turtles.



Climate regulation:

amounts of carbon in the biomass and sediment below, helping to



Ocean acidification buffer: seagrass



Coastal protection: seagrasses prevent coastal



Disease control: Seagrasses reduce exposure to bacterial pathogens



Did you know that seagrass ...



Covers only 0.1% of the ocean floor.

Sustains charismatic and vulnerable species like dugong.



wave energy by 40%.

Only 26% of seagrass meadows fall within MPAs, compared to 40% of coral reefs and 43% of mangroves

> Conserving and restoring seagrass meadows contributes to achieving 16 out of the 17 Sustainable Development Goals - "the most important to-do list in the history of humankind" - through the conservation and restoration of seagrass meadows.

Source: UNEP (2020) Out of the blue: The value of seagrasses to the environment and to people

For more information, please visit www.dugongseagrass.org JN 🏟

Water filtration: Seagrasses improve water quality by filtering, cycling and storing excessive nutrients and pollutants.

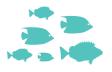


Tourism: Seagrass meadows provide cultural services such as sense of identity for local communities and opportunities for recreational activities (e.g. Birdwatching, diving, fishing).

Found all over the world, seagrasses are flowering plants that grow in meadows along shallow coastal areas.



Stores 19.9 gigatons (18%) of the world's blue carbon, making it one of the most efficient nature-based solutions to climate change.



Supports at least 200 fish species and 20% of the world's biggest fisheries, which have a minimum total value of 1000 m/yr.





Is disappearing at a rate of 7% per year the equivalent to one football field every **30** minutes. Mostly due to human activities.

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