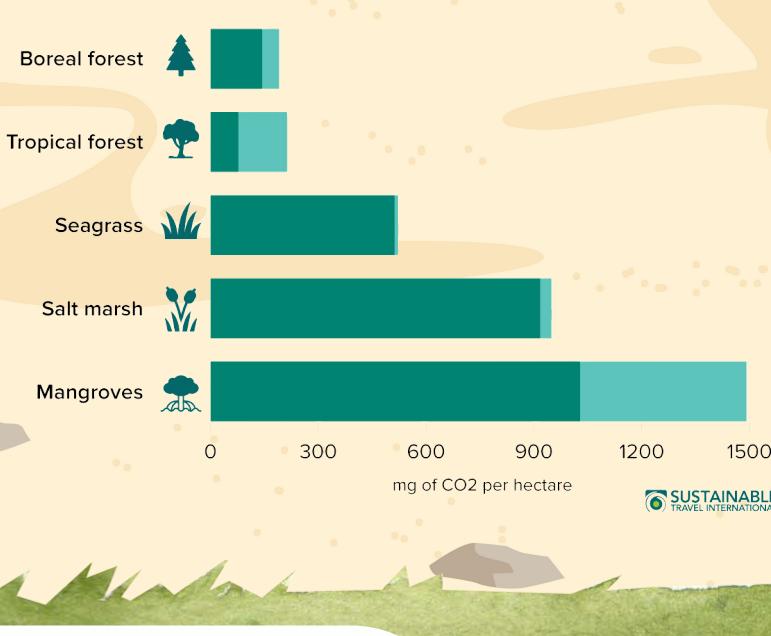


INCREASING BLUE CARBON

SYSTEMS

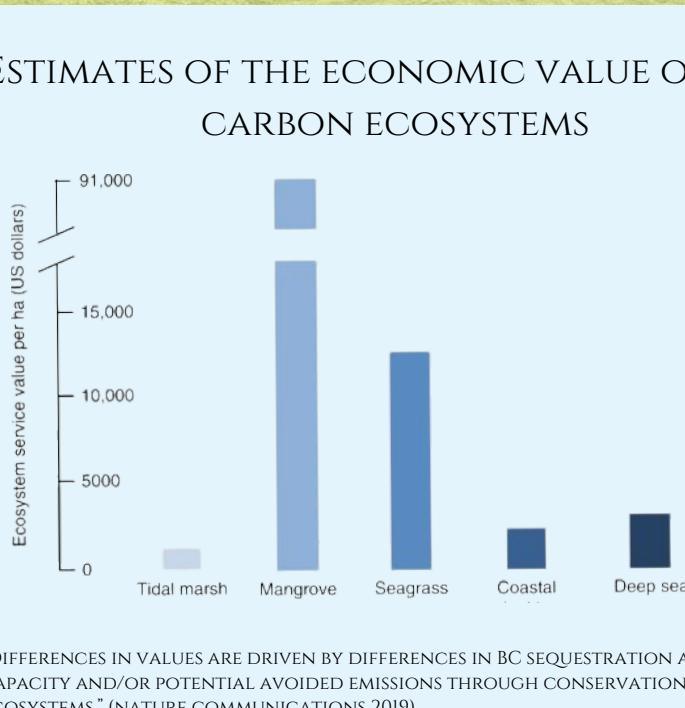
INVESTING IN BLUE CARBON ECOSYSTEMS BENEFITS, BY HELPING RESTORE MORE CARBON THAN BOREAL OR TROPICAL FORESTS. PROVIDING CLEANER WATER AND HELPING ENHANCE MARINE LIFE HABITATS IN MARSHES AND SWAMPS. AS WELL AS PROVIDING MORE STORM AND FLOODING PROTECTION



BLUE CARBON COASTAL TOWN BENEFITS

- PROVIDE HABITATS FOR FISH, REPTILES, BIRDS, MAMMALS, AND INVERTEBRATES⁴
- SUPPORT COASTAL TOWNS BY PROVIDING JOBS LIKE FISHING⁴
- PROVIDE BETTER FISHING SERVICES⁴
- FILTERS SEDIMENTS, ENHANCING WATER QUALITY⁴
- PREVENTS EROSION, PROTECTING INFRASTRUCTURE FOR BUILDINGS CLOSER TO THE COAST⁴

ESTIMATES OF THE ECONOMIC VALUE OF BLUE CARBON ECOSYSTEMS



"DIFFERENCES IN VALUES ARE DRIVEN BY DIFFERENCES IN BC SEQUESTRATION AND STORAGE CAPACITY AND/OR POTENTIAL AVOIDED EMISSIONS THROUGH CONSERVATION AND RESTORATION OF ECOSYSTEMS." (NATURE COMMUNICATIONS 2019).

COASTAL ECOSYSTEM VALUES

AS SHOWN IN THE GRAPH EACH VALUE IS GIVEN DEPENDING ON THE AMOUNT OF CARBON THAT IS ABLE TO BE STORED.

THIS HELPS UNDERSTAND WHICH AREAS PROVIDE HIGHER CO₂ STORAGE CAPACITIES.

BLUE CARBON CONS

- HAVE TO BE GLOBALLY FUNDED, WHICH WOULD TAKE TIME.
- CAN'T REVERSE ALL CO₂ EMISSIONS
- HAVE THE RISK OF BEING REMOVED AND AREN'T FOREVER PERMANENT



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