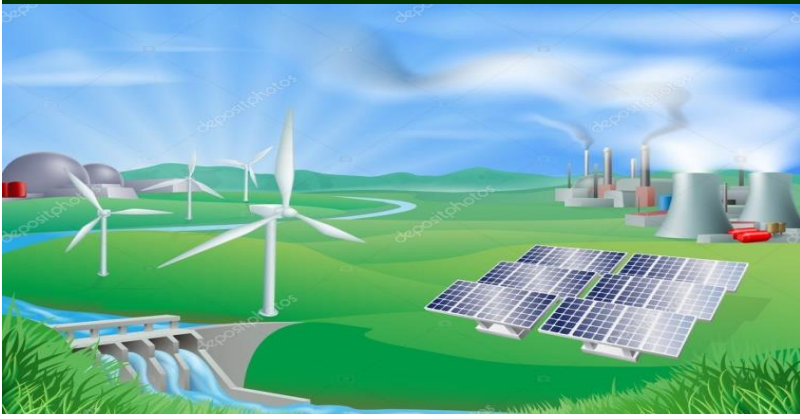


# Our Solutions: To maintain the Balance

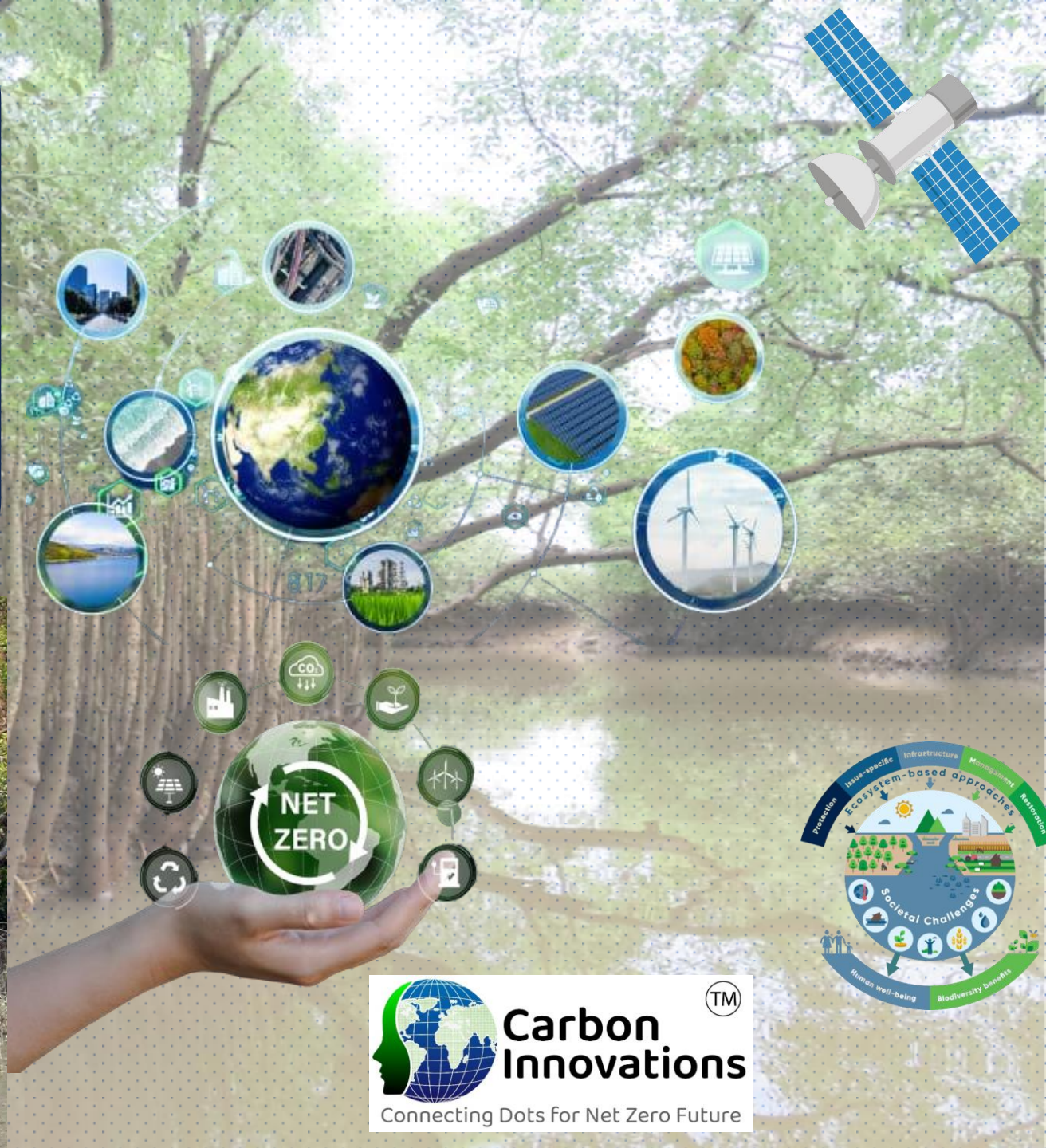
A Community based AI enabled Consultancy for Carbon Projects

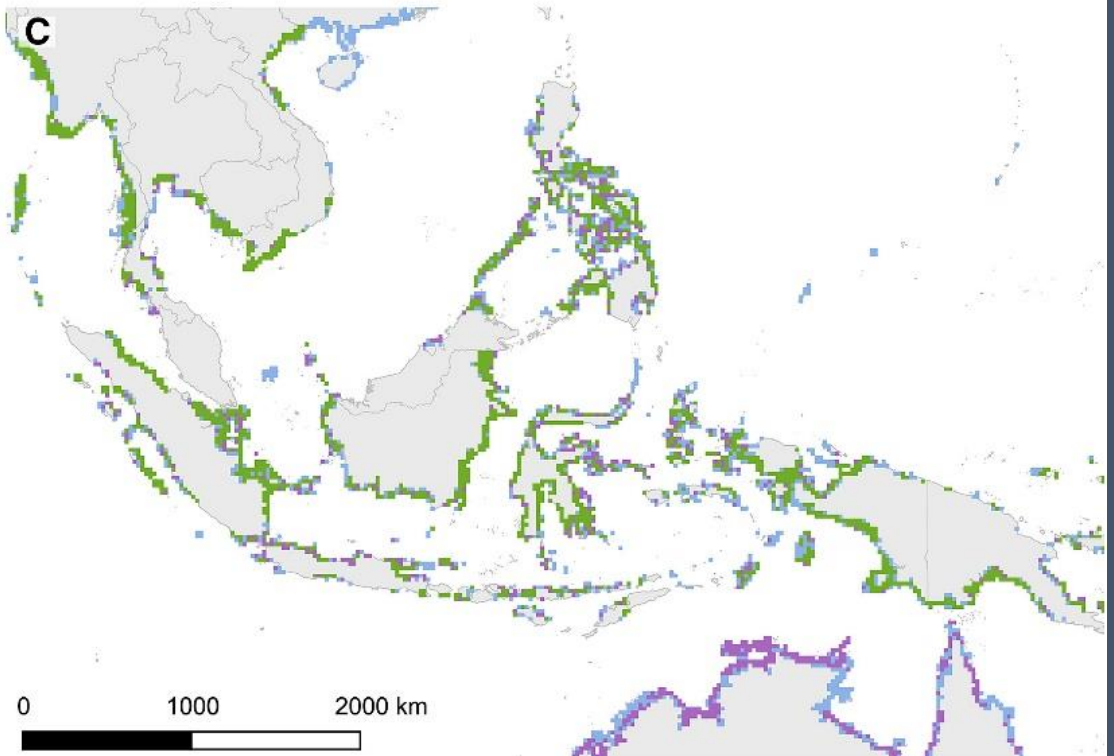
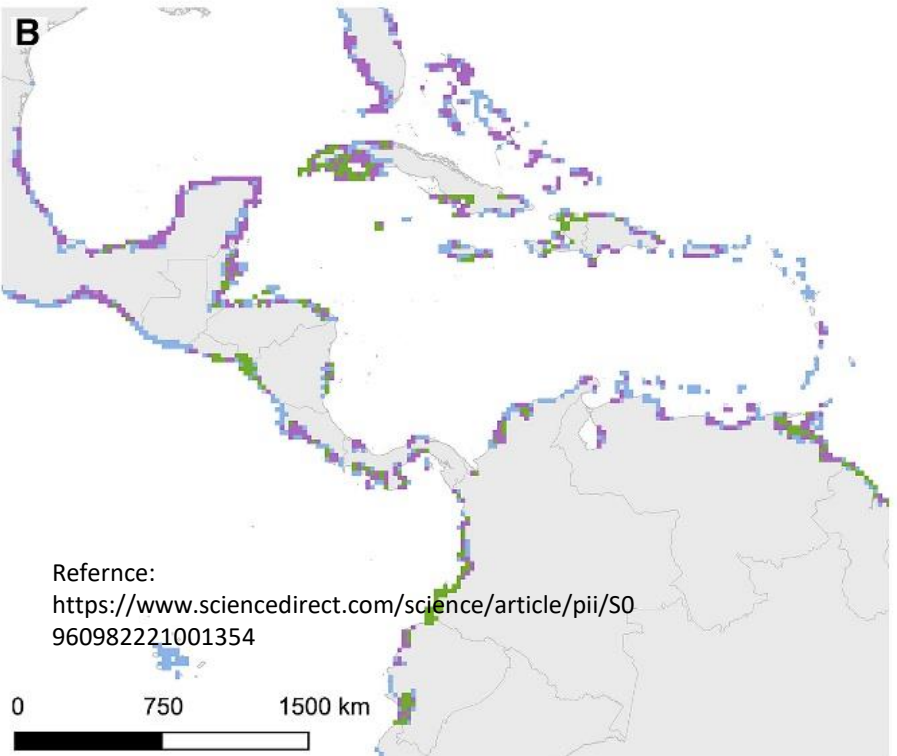
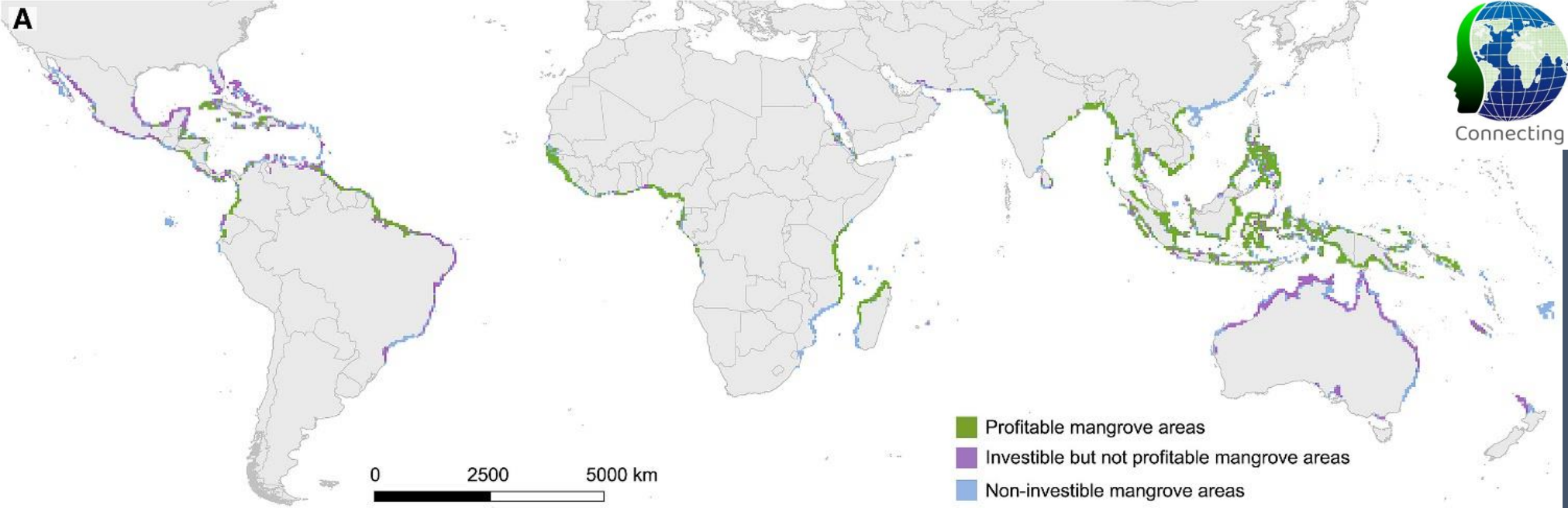


- Access to Funding
- Tech for Monitoring and Maint.
- Carbon Credit integration
- Collaboration Platform
- Capacity building



# Mangroves plays an important role in promoting Nature-based Solutions to achieve “Net Zero”





# Introduction

- ❑ Mangroves, the unsung heroes of our ecosystems, hold the key to achieving a net-zero future.
- ❑ As natural carbon sinks, their ability to absorb and store carbon dioxide is unmatched
- ❑ Vital role of mangroves in sustaining an ecological balance, mitigating climate change, and safeguarding our planet for generations to come.



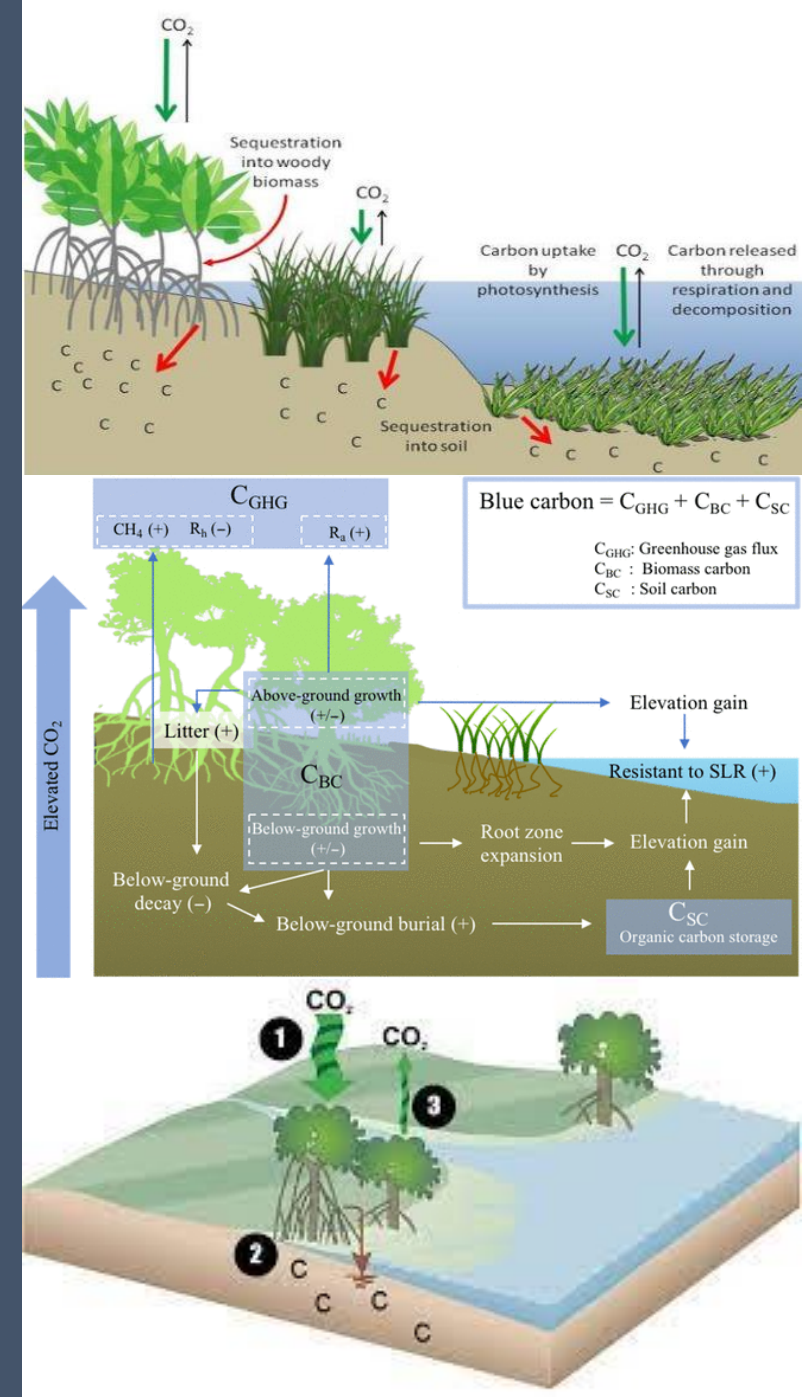
# Biodiversity and Coastal Protection

- ❑ Mangroves provide habitat for a diverse range of plant and animal species, contributing to ecosystem health.
- ❑ Mangroves act as natural barriers, reducing the impact of storms and erosion on coastal communities.



# Carbon Sequestration

- ❑ Mangroves play a crucial role in carbon sequestration, absorbing and storing vast amounts of carbon dioxide.
- ❑ Their dense root systems trap sediment and organic matter, creating an ideal environment for carbon storage.
- ❑ By protecting and restoring mangrove ecosystems, we can effectively mitigate climate change and work towards a net-zero future.



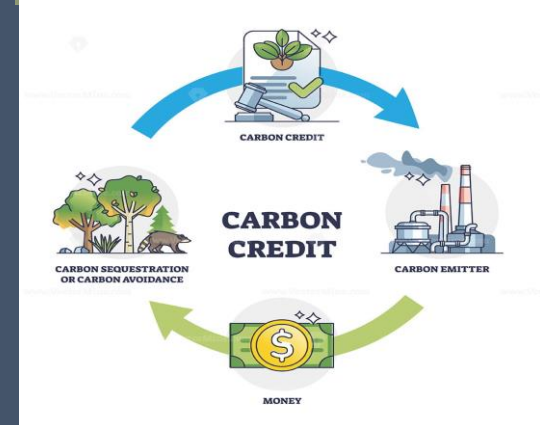
# Sustainable livelihood

- ❑ Mangroves support local communities by providing resources such as fish, crabs, and timber.
- ❑ Sustainable harvesting of these resources can enhance livelihoods and reduce pressure on other ecosystems.



# Benefits to the Stakeholders

- ❑ Ecotourism and Education
- ❑ Carbon credit generation
- ❑ Employment to local people
- ❑ Awareness
- ❑ Carbon offsetting for Government



Source -



# Restoration and Reforestation

- ❑ Restoration and Reforestation:
- ❑ The significance of mangrove restoration and reforestation.
- ❑ Strategies for successful restoration efforts.

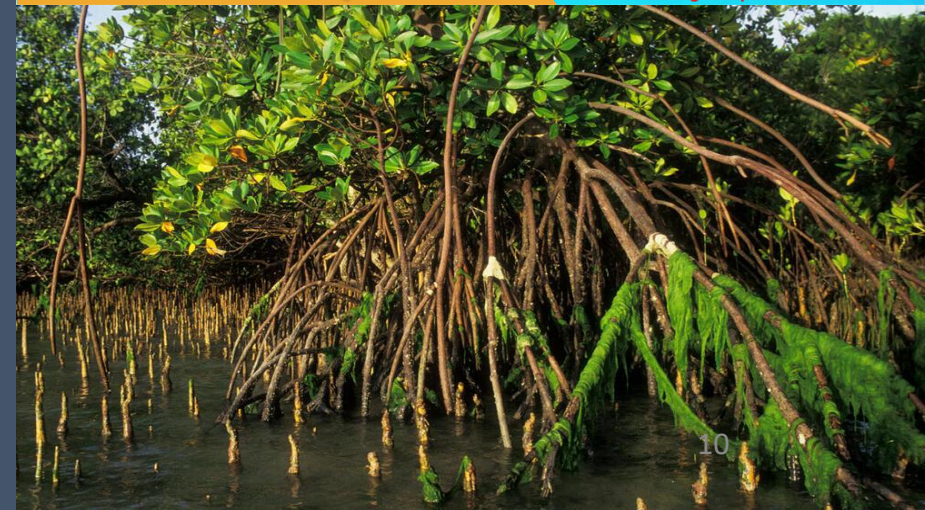
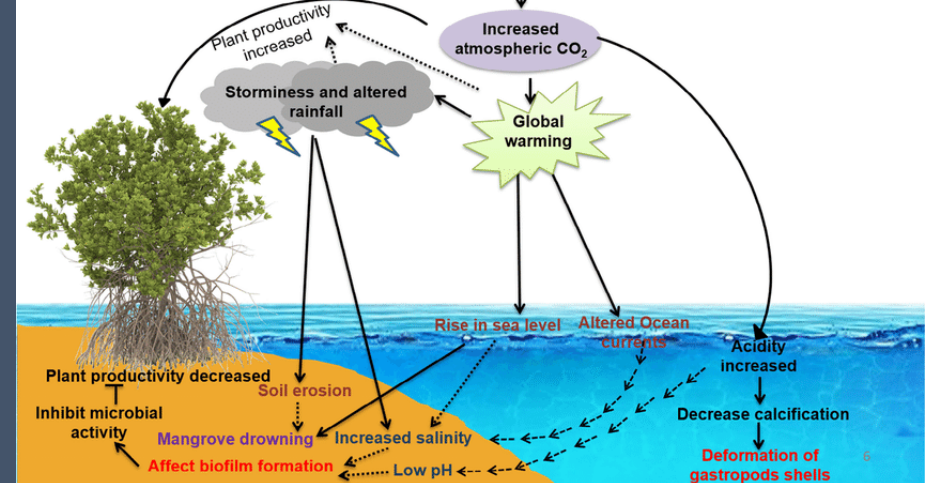


# Mangrove's role in Climate Change Mitigation

- Carbon Sequestration
- Blue Carbon
- Mitigation of Coastal Erosion
- Biodiversity Preservation
- Water Quality Improvement
- Habitat for Marine Life
- Adaptation to Climate Change

source

[https://www.google.com/search?q=climate+change+mitigation+mangrove&sca\\_esv=573673981&tbm=isch&sxsr=AM9HkKndgNXDDHKCof\\_8jPMs9GLvpxyOVw:1697421140005&source=lnms&sa=X&ved=2ahUKEwjG49XAuvmBAxV-zzgGHVOSAQAQ\\_AUoAXoECAMQAw&biw=1707&bih=835&dpr=1.5#imgrc=nQo473WSxcAUtM](https://www.google.com/search?q=climate+change+mitigation+mangrove&sca_esv=573673981&tbm=isch&sxsr=AM9HkKndgNXDDHKCof_8jPMs9GLvpxyOVw:1697421140005&source=lnms&sa=X&ved=2ahUKEwjG49XAuvmBAxV-zzgGHVOSAQAQ_AUoAXoECAMQAw&biw=1707&bih=835&dpr=1.5#imgrc=nQo473WSxcAUtM)



# Collaboration efforts and policy advocacy

- ❑ Mangroves support local communities by providing resources such as fish, crabs, and timber.
- ❑ Sustainable harvesting of these resources can enhance livelihoods and reduce pressure on other ecosystems.



**33 ha. of wetland**  
adopted for plantation  
& maintenance



**1,49,845 mangrove**  
saplings were planted



**5.67 tonnes**  
of waste cleared  
from wetland



**2,798 Volunteers**  
engaged ( plantations,  
wetland clean-ups,  
sapling making  
workshops, etc. )



**99,329 individuals**  
engaged through  
competitions and sessions



**118 webinars, sessions,  
and mangrove nature trails**  
conducted on the mangrove  
ecosystem and its conservation

# Sustainable livelihood

- ❑ Mangroves support local communities by providing resources such as fish, crabs, and timber.
- ❑ Sustainable harvesting of these resources can enhance livelihoods and reduce pressure on other ecosystems.

# Thank you

