

Wetlands and Climate

WETLANDS ARE NATURAL GUARDIANS AGAINST POLLUTION AND CLIMATE CHANGE

- Wetlands capture CO₂ from the atmosphere and store more carbon than any other ecosystem on Earth.
 - Peatlands store about **30%** of land-based carbon — twice the amount of all the world's forests.
 - Coastal blue carbon ecosystems (mangroves, seagrass beds, salt marshes) capture and store carbon in their sediment up to **55 times** faster than tropical rainforests.
 - Wetlands safeguard the **60%** of humanity along coastlines against storm surges, hurricanes and tsunamis.
 - An acre of wetland can store up to **1.5 million** gallons of floodwater.
- Wetlands are at high risk from climate change, severely impacting many economically marginalized people.
 - Wetlands are integral components of resilient urban planning, restoration and vital contributors to One Health.
 - Meeting the climate challenge requires ambitious wetland conservation and restoration across society.

