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Let's talk about Coastal Challenges

13 JUNE 2025







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O₂ reservoir

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The ocean provides nearly half of the world's oxygen

#### Ocean currents

Ocean currents act as major navigation routes

#### A crucial factor in weather and climate

Linked to the Earth system cycle and ocean currents



Pivotal role in the circle of life. the ocean contains 50% more carbon than the atmosphere



Protein tank



## Biodiversity tank Production of about half the world's oxygen - phytopiankton

90% of the planet's living biomass is found in the ocean



#### Ocean waves



Earth water reservoir



Maritime Space





#### Heat Storage





## Food Security 20% average per capita animal protein intake

for 3 billion people, provided by fish food



#### Urban and regional planning



#### Public Health



#### Recreation and Tourism



#### Ocean governance



#### Blue Economy

Renewables | Aquaculture | Fisheries | Trade and Transport













## Challenges in Coastal Systems



## **Environmental and Societal Challenges (ESCs)**



Better manage and protect the coast



Enhance the sustainable blue economy



Build resilience to climate change/ hazards



## Let's talk about Coastal Challenges



- State of Coastal Systems
  Understanding interconnected pressures
- Advances in Monitoring
  Bridging global observation with local action
- Coastal Solutions

  Partnership-based approaches,
  building capacity, and leveraging
  data responsibly



