



Strengthening climate mitigation through co-design of ocean observations

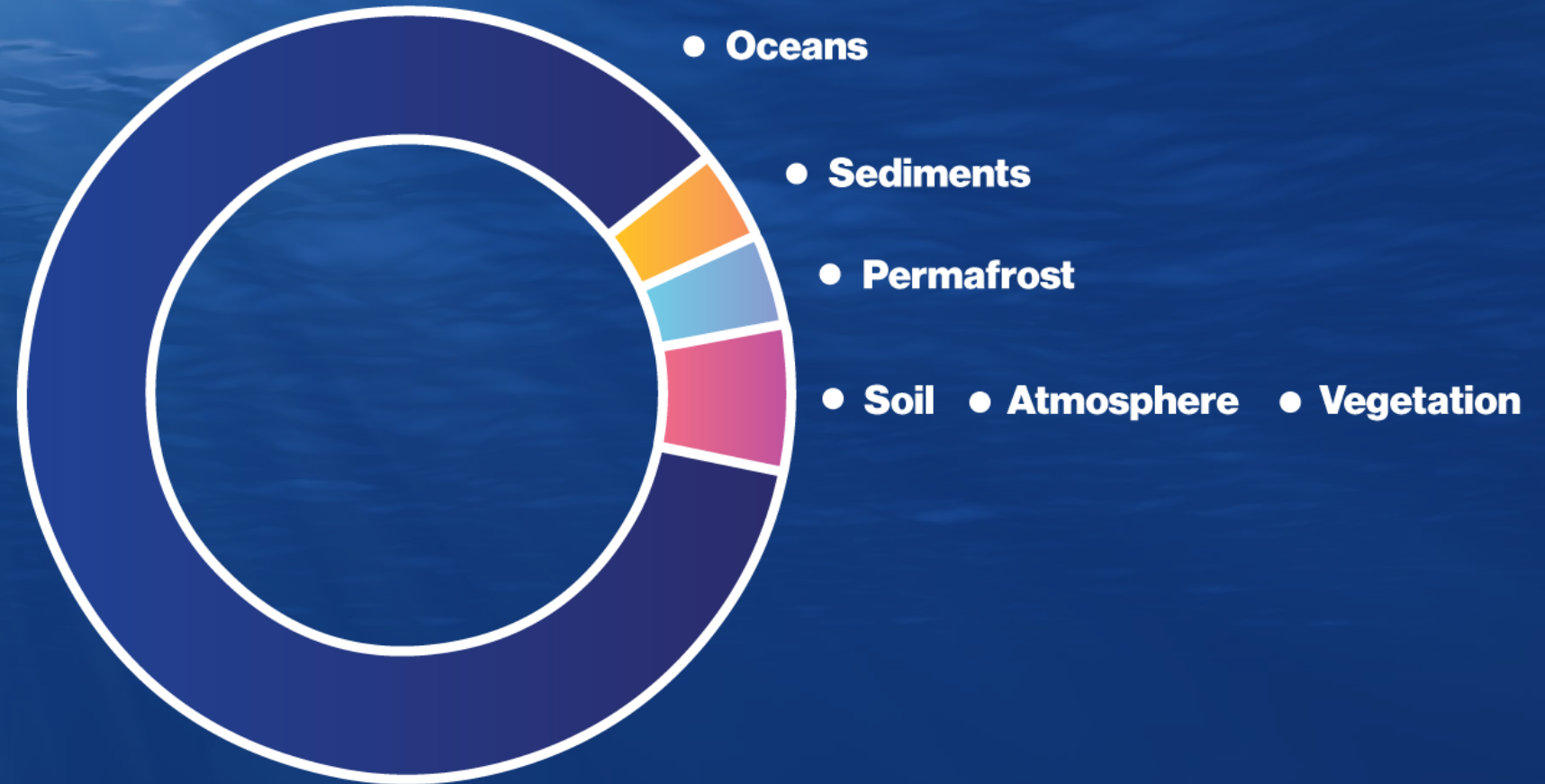


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> 80% of carbon is stored in ocean



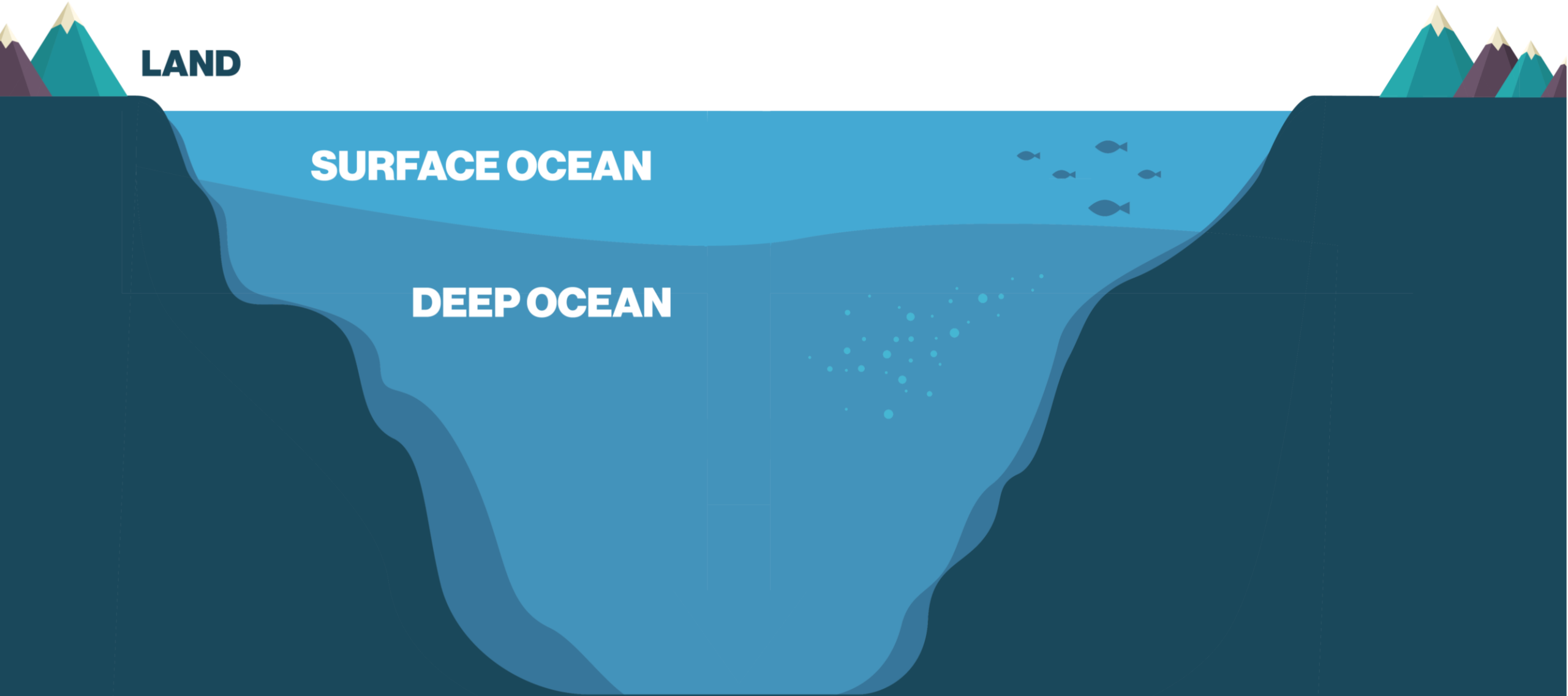
**Carbon reservoir by size*

ATMOSPHERE

LAND

SURFACE OCEAN

DEEP OCEAN



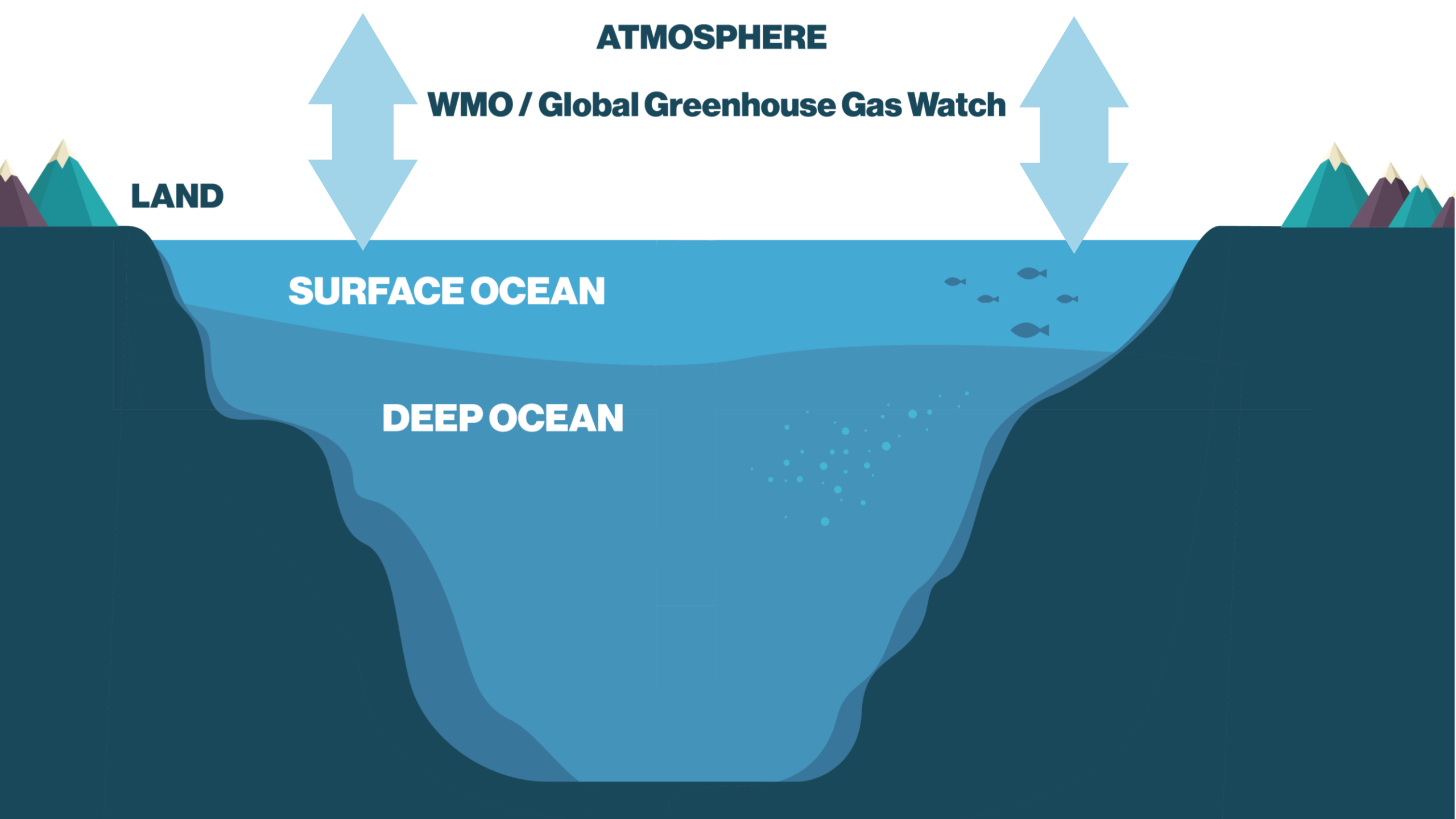
ATMOSPHERE

WMO / Global Greenhouse Gas Watch

LAND

SURFACE OCEAN

DEEP OCEAN



ATMOSPHERE

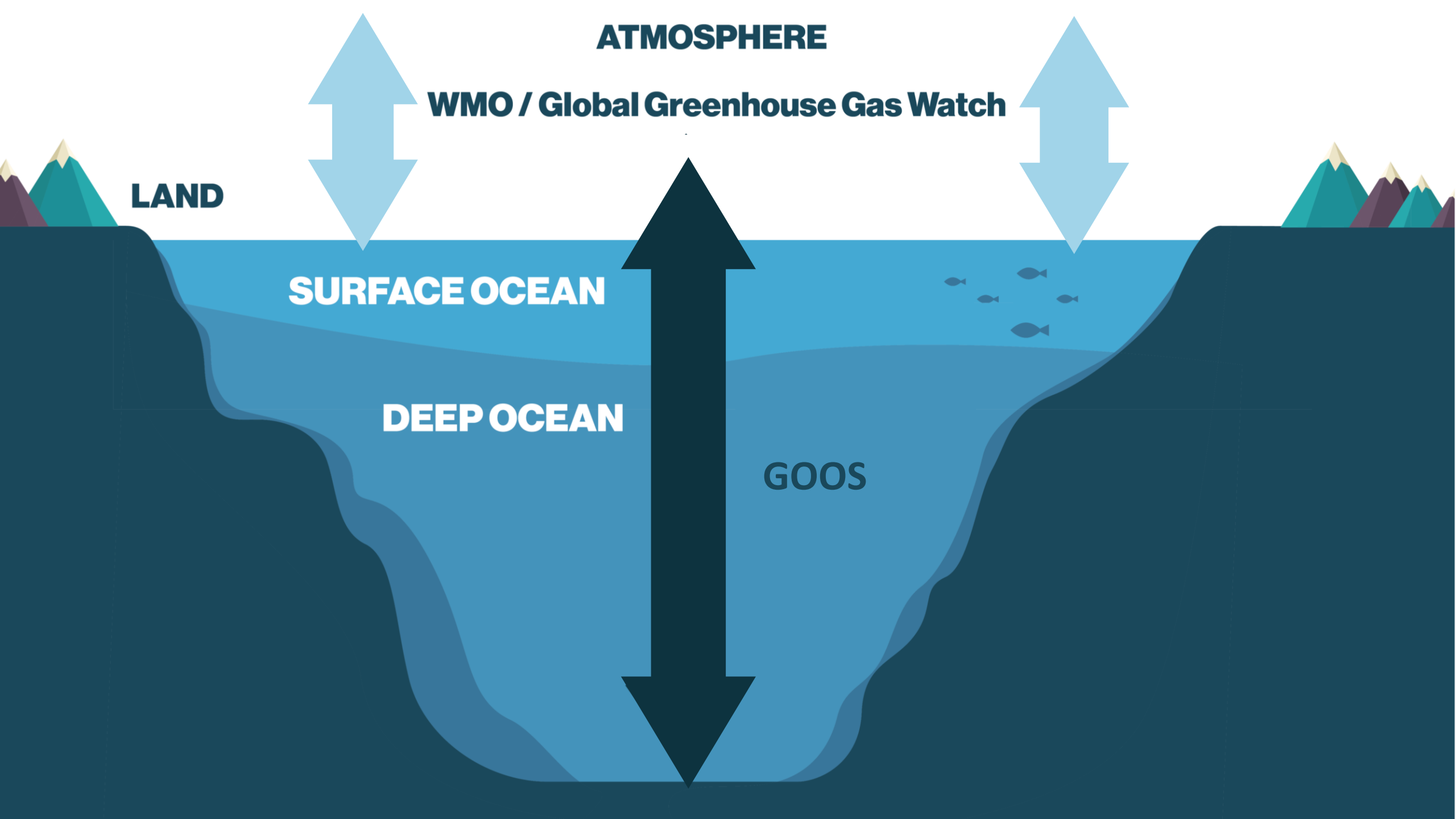
WMO / Global Greenhouse Gas Watch

LAND

SURFACE OCEAN

DEEP OCEAN

GOOS



Co-design the Solution



Start with the Surface Ocean

a critical input to
atmospheric CO₂



Build infrastructure

that will inform the next 20
years of climate action



Scale up, fill gaps, and link

ocean observations and
scientific analysis

Ocean Observation Co-Design

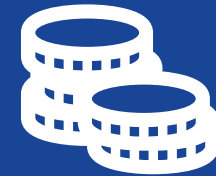
Co-Design



Governance



Finance



Global Ocean Observing System

Nations

Co-design of ocean observation
will allow nations to:

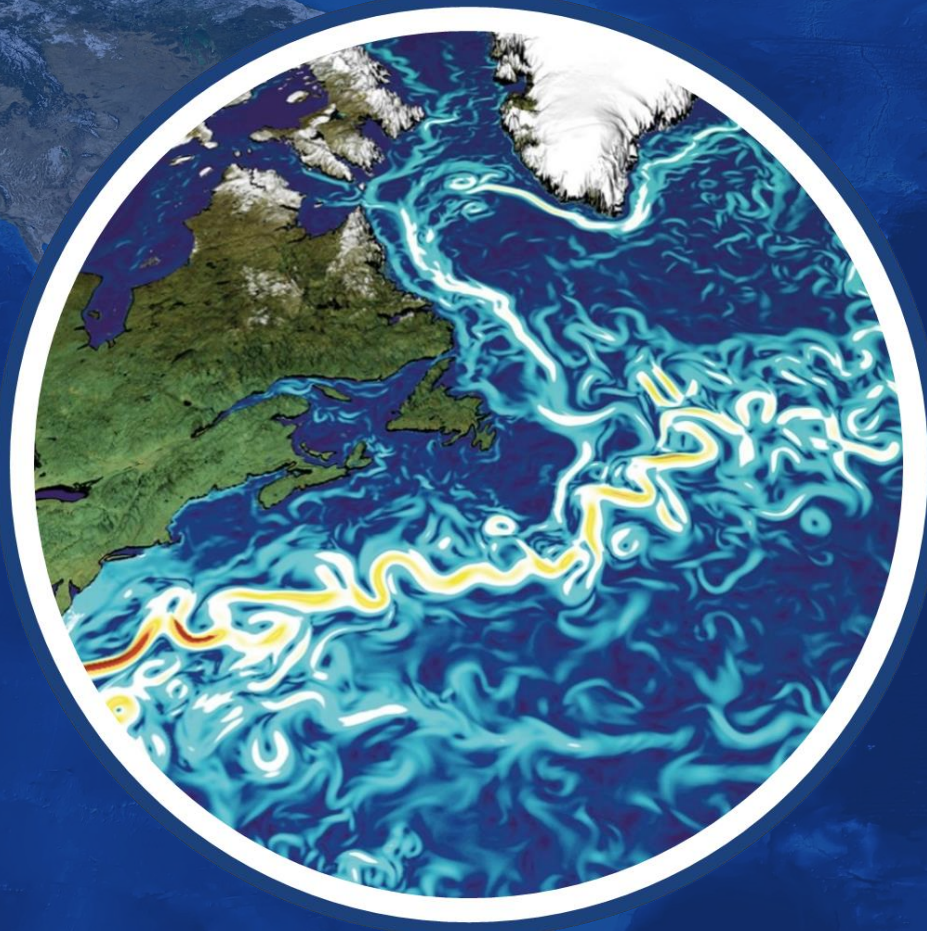
Improve **climate forecasts**

Track **ocean changes**

Manage **adaptation and resilience**

Build **climate resilient blue economy**

Enable **responsible mCDR**



Co-Design Starts With Nations



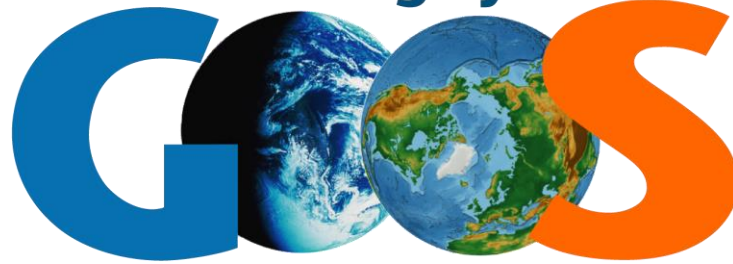
Ocean carbon observation is critical to make sense of carbon emissions and mitigation efforts

Co-Design Starts With Nations

- **Scale up your investment and involvement**
through co-design, infrastructure, and governance.
- **Work with other nations**
*through GOOS to form an integrated implementation plan
and internationally funded system.*

www.goosocean.org

**The Global Ocean
Observing System**



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