

# C-CORE Challenges

- C-CORE 1.1 Historic records for winds
- C-CORE 1.2 Historic records for waves
- C-CORE 1.3 Historic records for surface currents
- C-CORE 1.4 Historic records for currents at depth
- C-CORE 1.5 Wind observations
- C-CORE 1.6 Waves observations
- C-CORE 1.7 Surface current observations
- C-CORE 1.8 Current at depth observations
- C-CORE 1.9 Historical Tropical Storm/Tropical Cyclone probability and tracks
- C-CORE 1.10 Tropical Storm/Tropical Cyclone Observations
- C-CORE 1.11 Sea level
- C-CORE 1.12 Visibility
- C-CORE 1.13 Squalls
- C-CORE 1.14 Ice Accretion
- C-CORE 1.15 Sea Surface Temperatures
- C-CORE 1.16 Funnel Clouds and Waterspouts
- C-CORE 1.17 Convective Downbursts
- C-CORE 1.18 Lightning
- C-CORE 1.19 Hail
- C-CORE 2.1 Monitoring of landfall site recovery and coastal vegetation
- C-CORE 2.2 Submarine landslides and seabed stability
- C-CORE 2.3 Shipwrecks and other archaeological value areas
- C-CORE 2.4 Detection and monitoring of pollutant discharges
- C-CORE 2.5 Distribution and abundance of marine mammals
- C-CORE 2.6 Distribution and abundance of seabirds
- C-CORE 2.7 Information on presence and abundance of deep water fauna
- C-CORE 2.8 Scientific independence in environmental monitoring of pollution
- C-CORE 2.9 Security and safety
- C-CORE 2.10 Monitoring of chlorophyll-a, productivity and harmful algal blooms (HAB)
- C-CORE 2.11 Monitoring of waste management practices
- C-CORE 2.12 Information on the intertidal and shallow marine environment
- C-CORE 2.13 Coastal resource mapping of mangroves, coral reefs, wetlands, and sandbanks
- C-CORE 2.14 Coastal sediment dynamics, estuarine fronts, and land–ocean interactions.
- C-CORE 2.15 Coastal upwelling
- C-CORE 2.16 Fish and fish habitat
- C-CORE 2.17 Commercial shipping
- C-CORE 2.18 Natural and other existing oil seeps
- C-CORE 2.19 Commercial and recreational fisheries