

**INTERNATIONAL COOPERATION FOR
IMPROVING OCEAN GOVERNANCE
FOR THE
PROTECTION OF THE OCEAN IN ASIA
WITH SPECIAL REFERENCE TO
THE INDIAN OCEAN**

BY

Vice Admiral John C DeSilva PVSM AVSM (Retd)

**“He who controls the Indian Ocean dominates
Asia.**

This Ocean is the key to the seven seas.

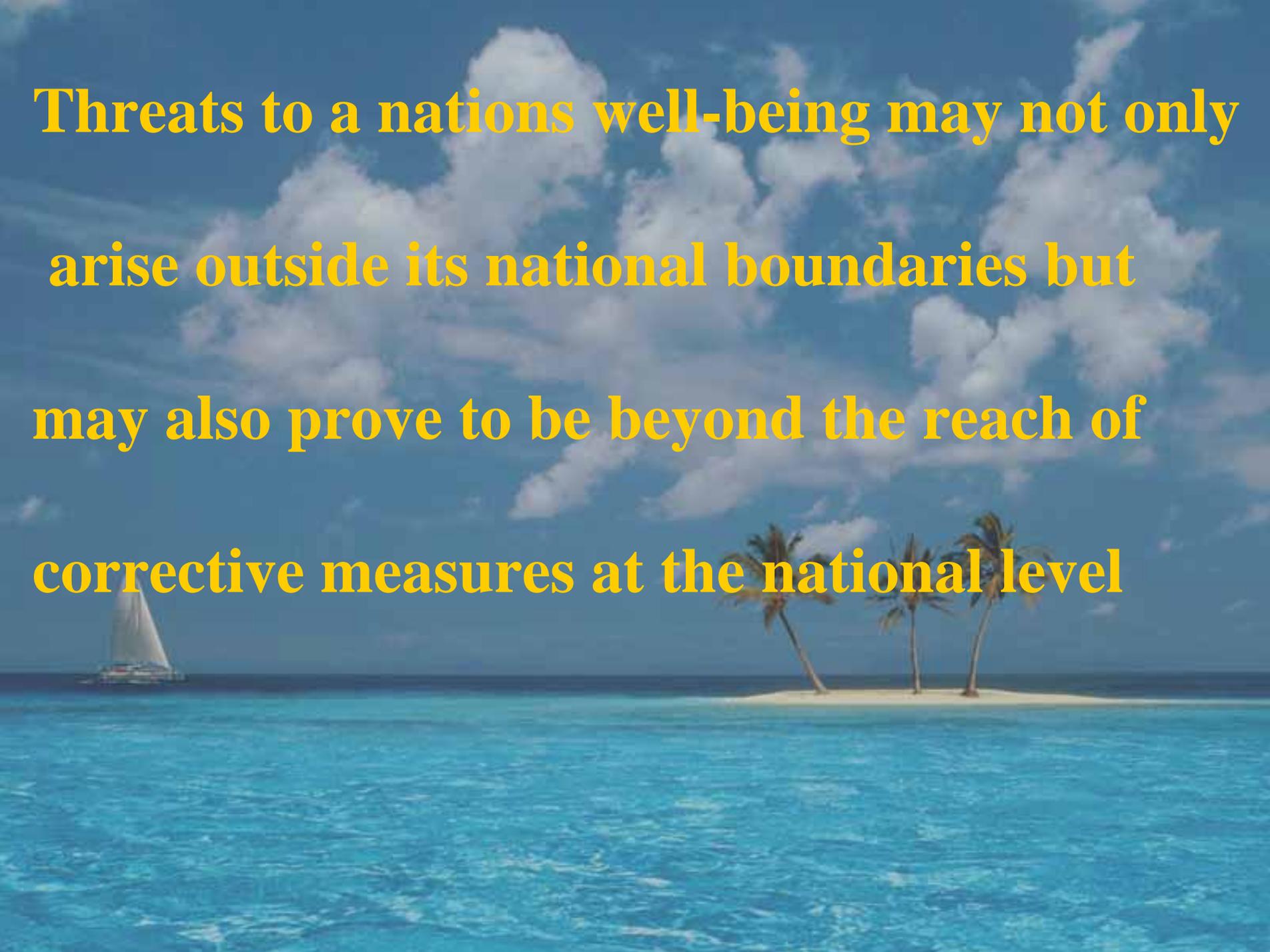
**In the 21st Century the destiny of the World
will be decided on its waters.”**

=Alfred Thayer Mahan=

A close-up photograph of a coral reef. The image shows several different types of coral, including a large, porous, yellowish-green coral in the foreground and a more intricate, branching coral in the background. The word "BACKGROUND" is overlaid in large, bold, yellow capital letters with a slight shadow effect, centered horizontally across the middle of the image.

BACKGROUND

Threats to a nations well-being may not only arise outside its national boundaries but may also prove to be beyond the reach of corrective measures at the national level



SECURING THE OCEANS

COMPREHENSIVE SECURITY

Includes

MILITARY

SECURITY

TRANSPORTATION

SECURITY

FOOD

SECURITY

ENERGY

SECURITY

ENVIRONMENT

SECURITY

ECOLOGY

CONSERVATION



VISION





MARINE RESOURCES



MANGROVES



CORAL REEFS



SEAGRASSES

An aerial photograph of a dense seagrass meadow. The water is a deep blue, and the seagrass beds are a vibrant green. The text 'SEAGRASSES' is written in large, bold, 3D letters that are orange on the left and yellow on the right, floating above the meadow.

WETLANDS



A vibrant scene on a boat deck where a large quantity of fresh fish, likely tuna, is being processed. The fish are piled high, their silvery scales catching the light. Several men are working around the fish; one in a pink shirt and checkered shorts is leaning over the pile on the left, while others in blue and white shirts are visible in the background. A blue truck is parked on the shore behind the boat. The word "FISH" is overlaid in large, bold, green letters with a blue outline in the center of the image.

FISH



LIVING

MARINE

ORGANISMS



HYDROCARBONS



MARINE ENVIRONMENT SECURITY



MARINE ENVIRONMENT SECURITY

**PROTECTION AND PRESERVATION OF
ENVIRONMENT AND MARINE RESOURCES**

PROTECTION OF ENDANGERED SPECIES

PREVENTION AND CONTROL OF POLLUTION

THREAT

MAINLY POLLUTION

Run off and discharges from Land...	44%
Air borne emissions from Land	33%
Oil spills from Ships	12%
Ocean Dumping.....	10%

TRANSPORTATION AND DISPOSAL OF RADIOACTIVE MATERIAL AT SEA



HIGH LEVEL RADIOACTIVE MATERIAL (HLW)
IRRADIATED NUCLEAR FUEL
MIXED OXIDE FUEL (MOX)

ARE ALL TRANSPORTED IN TYPE B PACKAGES



FOR SAFE TRANSPORT OF
RADIOACTIVE MATERIALS.....

IAEA SAFETY STANDARDS SERIES
NO ST-1 (2005)



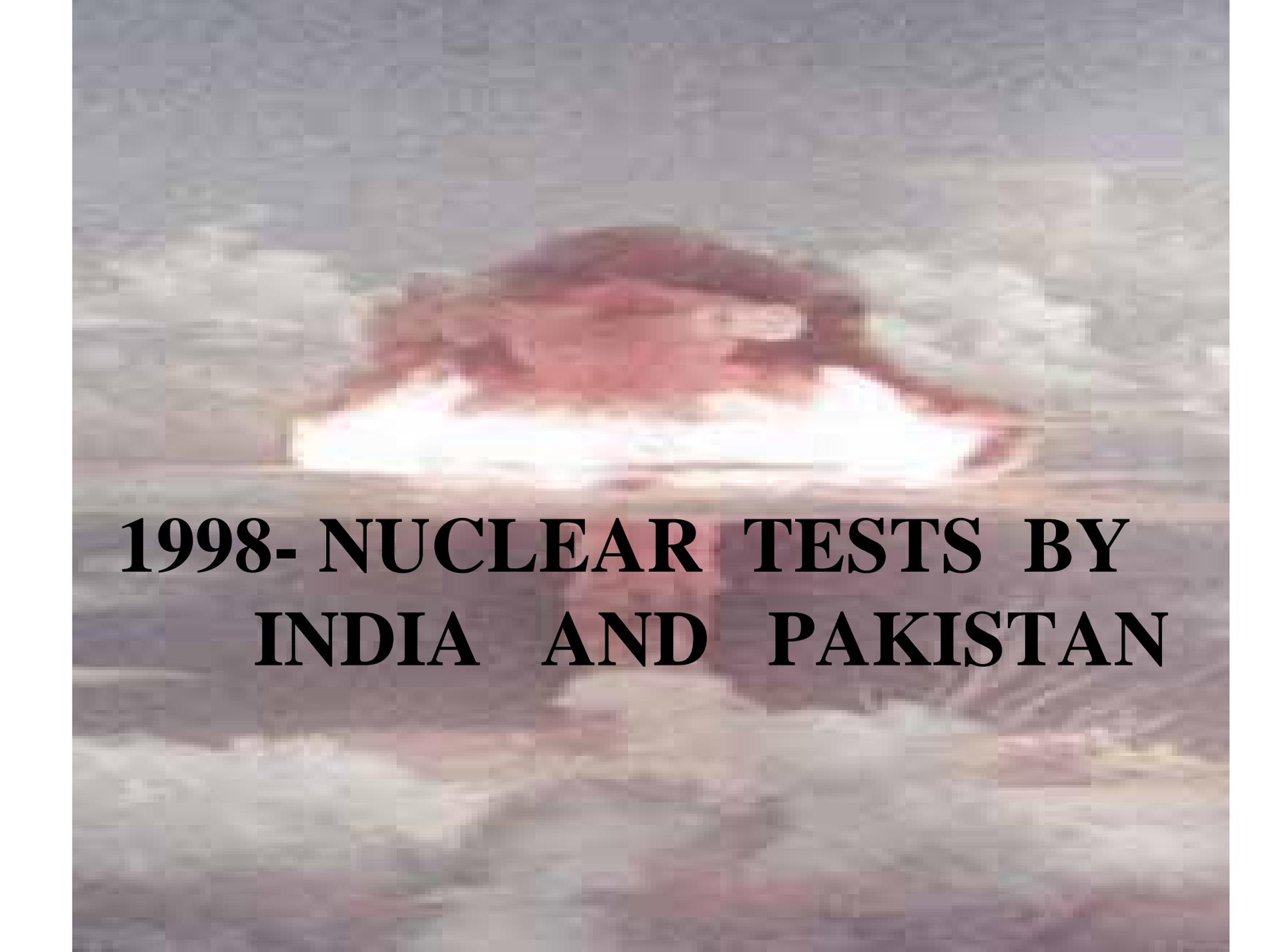
CONVENTION ON PHYSICAL PROTECTION OF NUCLEAR MATERIAL.....INFCIRC/274/Rev 1



BY IMO FOR SEA TRANSPORT OF PACKAGED
HAZARDOUS MATERIALS

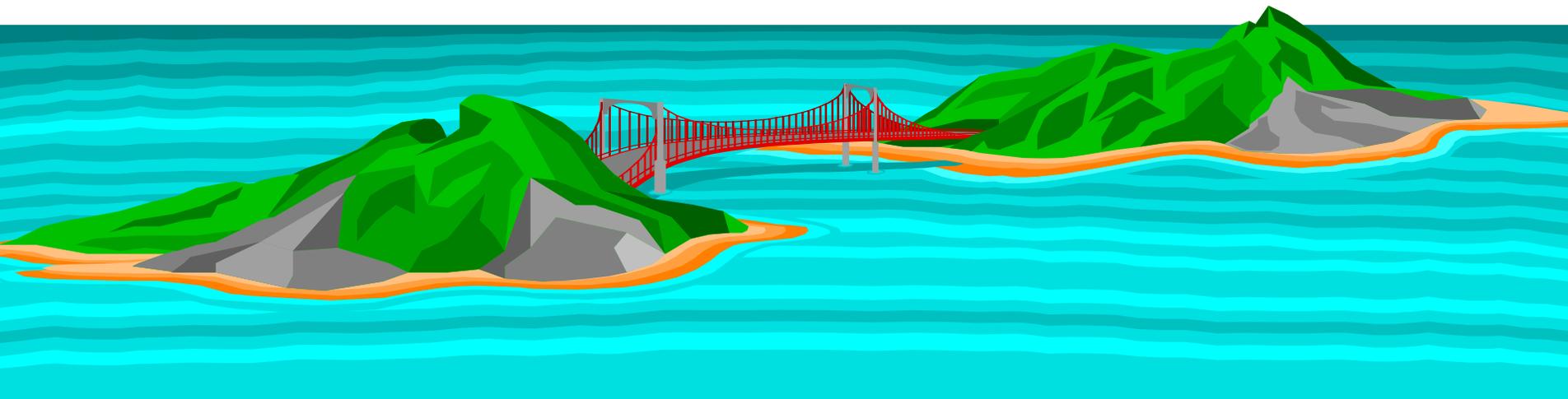
INTERNATIONAL MARITIME DANGEROUS
GOODS (IMDG) CODE



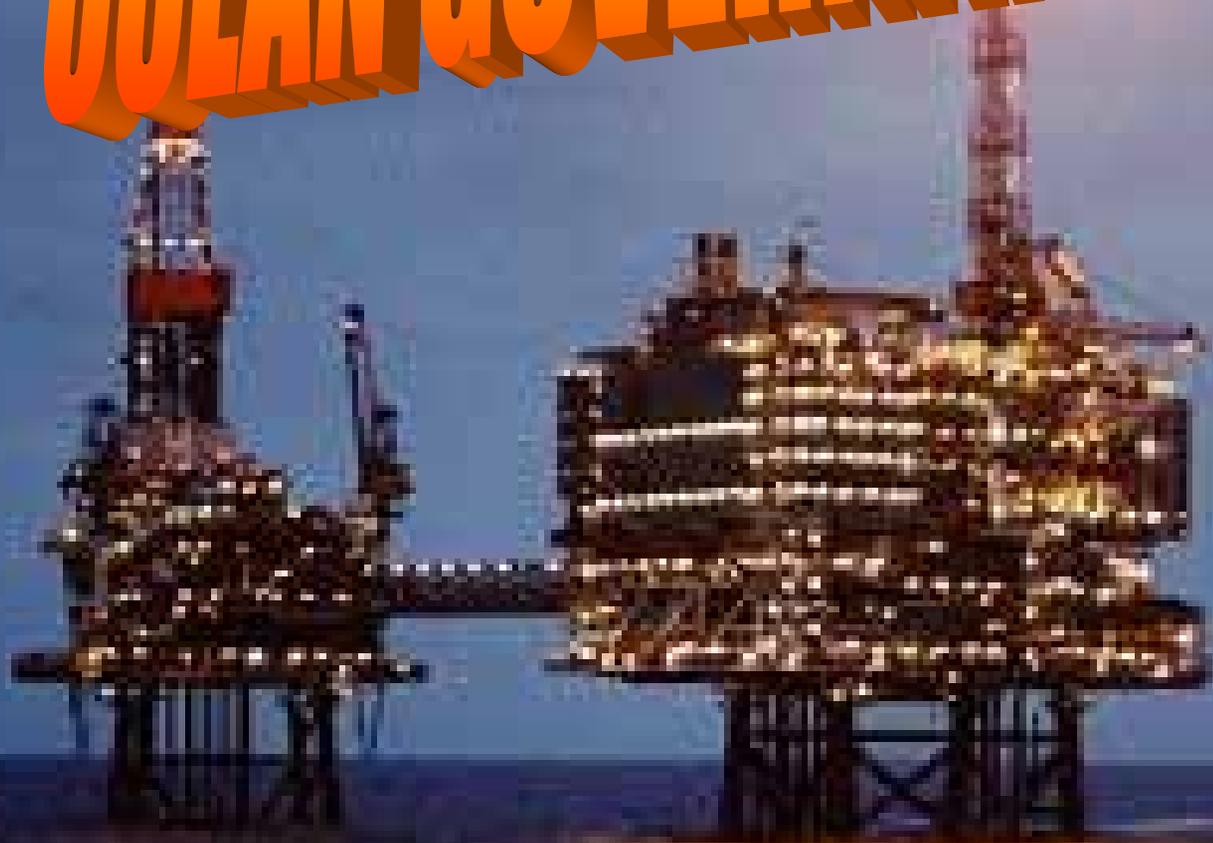


**1998- NUCLEAR TESTS BY
INDIA AND PAKISTAN**

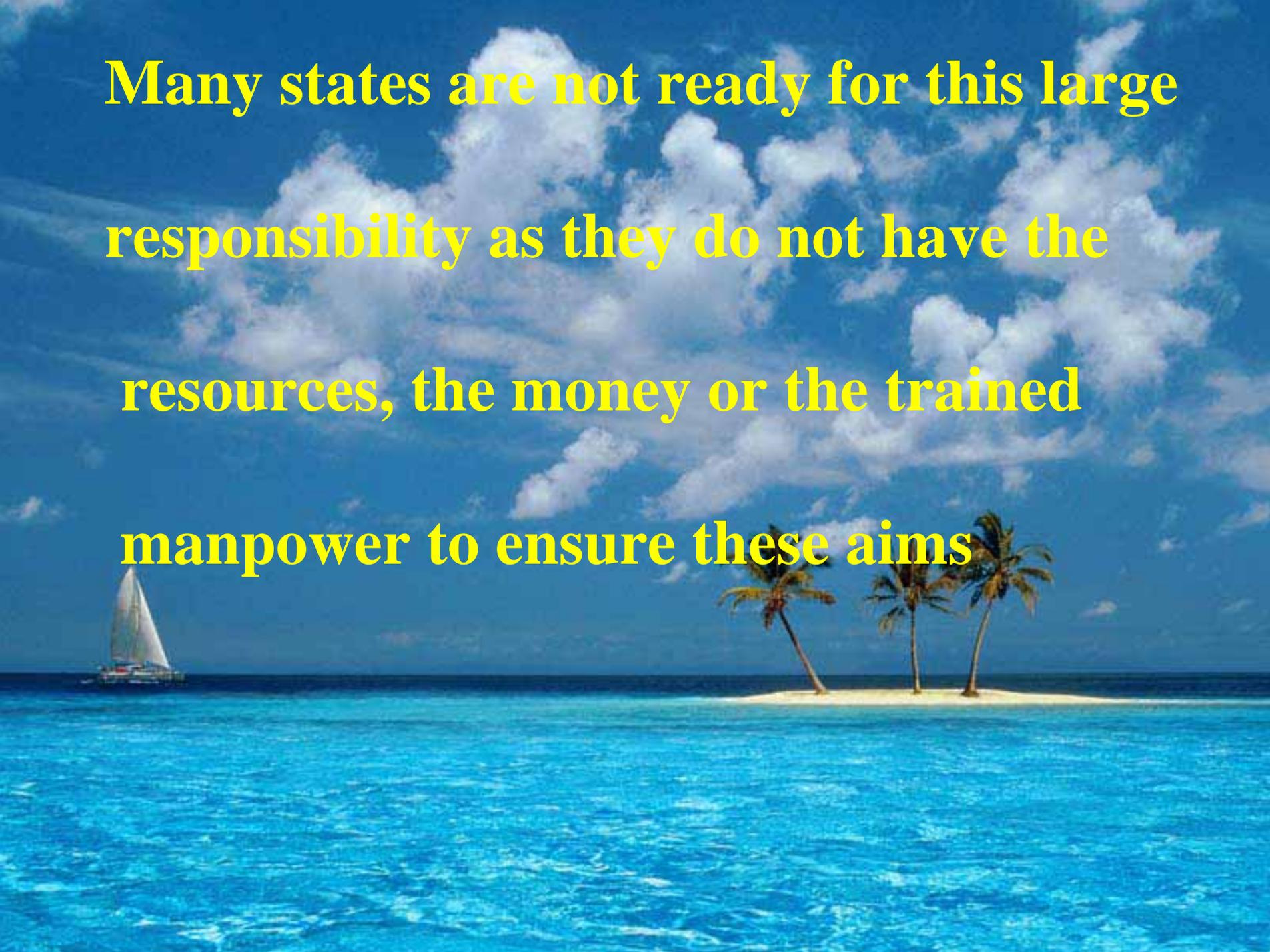
2005 - INDO-US PEACEFUL ATOMIC ENERGY COOPERATION



OCEAN GOVERNANCE



Many states are not ready for this large responsibility as they do not have the resources, the money or the trained manpower to ensure these aims



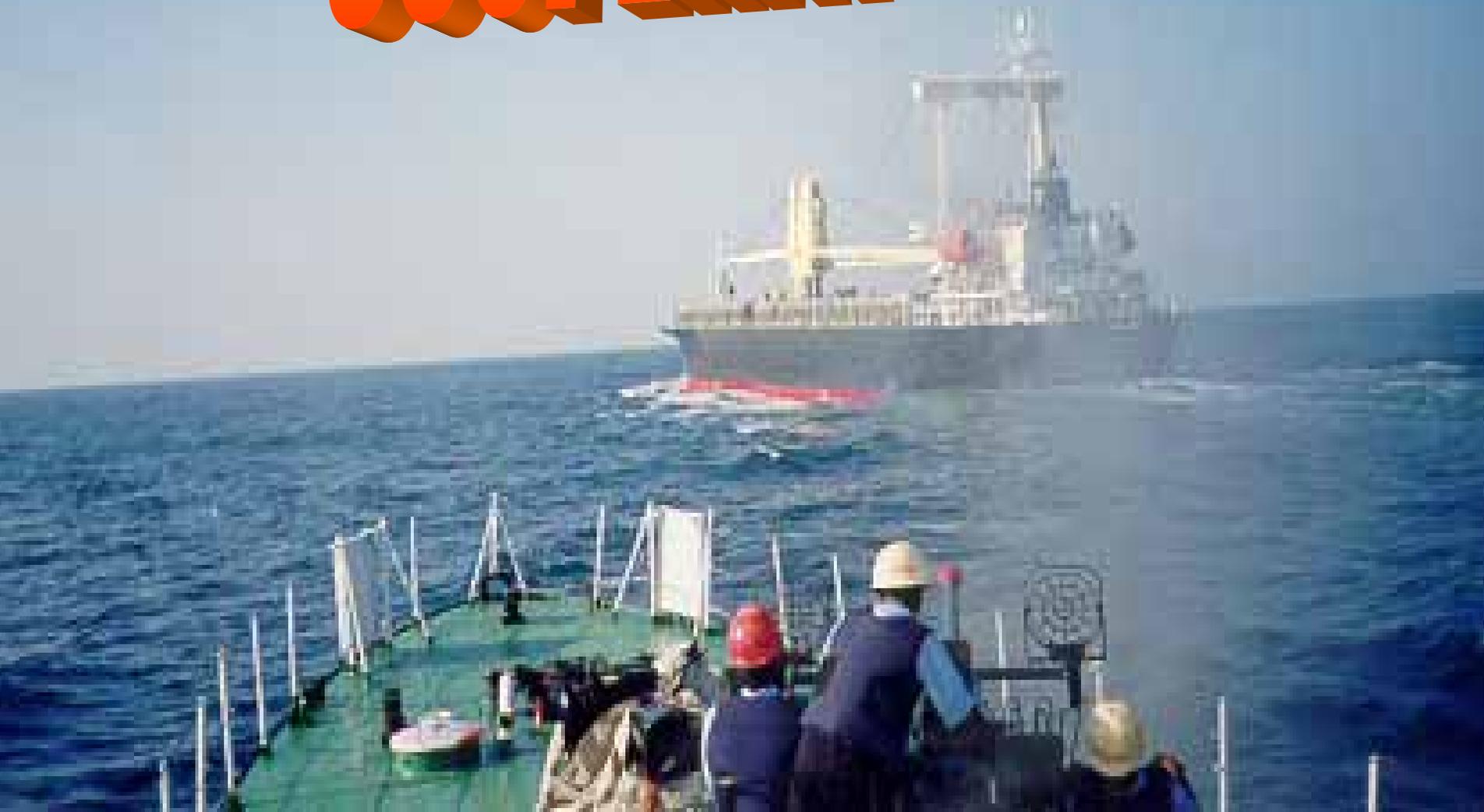
**Good Ocean Governance
means**

Ecologically Sustainable Development (ESD)

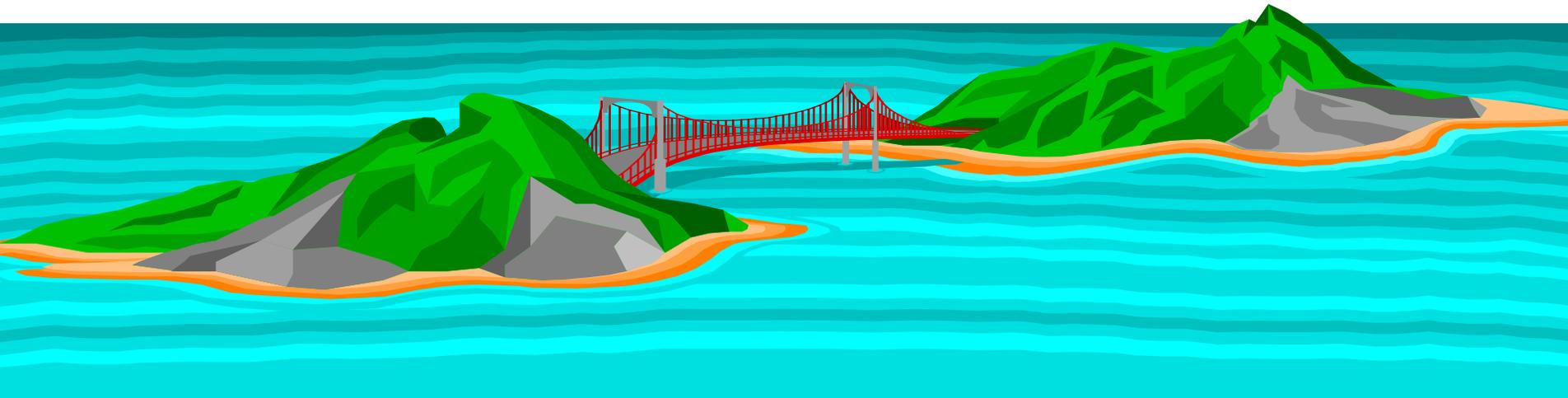
and

Environmental Impact Assessment (EIA)

COOPERATION



FRAMEWORK FOR COOPERATION

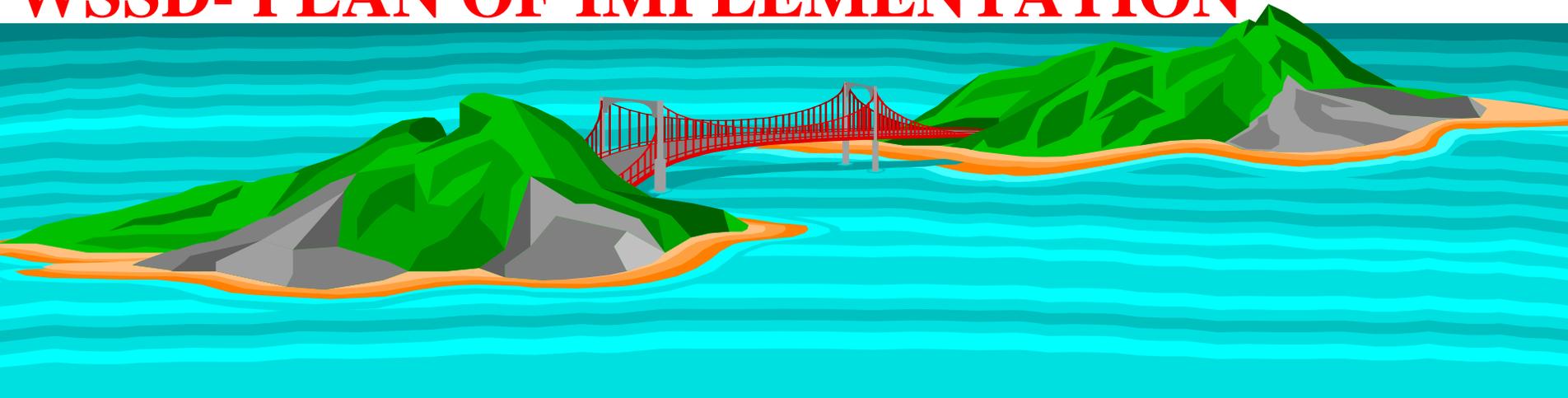


FRAMEWORK FOR COOPERATION

UNCLOS III

**UNCED- AGENDA 21 -CHAPTER 17 -ACTION
PLAN**

WSSD- PLAN OF IMPLEMENTATION



The background of the slide is a photograph of a vast, deep blue ocean meeting a clear, light blue sky at a distant horizon. The water has a textured, wavy surface, and the sky is a uniform, pale blue.

MARPOL 73/78

LONDON DUMPING CONVENTION 1972

RAMSAR CONVENTION

MONTREAL PROTOCOL

KYOTO PROTOCOL

SPECIFIC COOPERATIONAL MEASURES

- ESTABLISH INFORMATION EXCHANGE MECHANISM
- ENFORCE FISHING AGREEMENTS
- ESTABLISH CHAIN OF MARINE RESERVES



- PROTECTION OF ENDANGERED SPECIES
- JOINT PATROLLING AND CBMs
- TRAINING OF MANPOWER





EAST ASIAN SEAS

NOWPAP

COBSEAS

PEMSEAS