



THE ROLE OF ENVIRONMENT PROTECTION IN THE TRAINING OF MANAGEMENT

Dr. Cleopatra Doumbia-Henry

President,

World Maritime University





Ban Ki-moon
UN Secretary-General

“

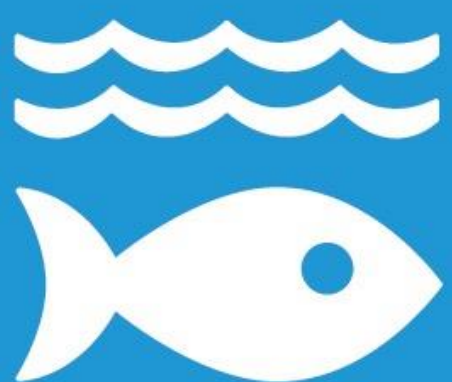
Our planet's lands and oceans are already stretched to meet the demands of 7 billion people. The human population continues to grow. The search for sustainable solutions is an economic and a moral imperative if we are to create the future we want.

”

UN SUSTAINABLE DEVELOPMENT GOALS

- Reduce **marine pollution** of all kinds, in particular from land-based activities, including marine debris and nutrient pollution;
- **Sustainably** manage and protect marine and coastal ecosystems;
- Effectively regulate harvesting and end **overfishing**, illegal, unreported and unregulated fishing and destructive fishing practices;
- Increase the economic benefits to **Small Island developing States**;
- **Increase scientific knowledge**, develop research capacity and transfer marine technology.

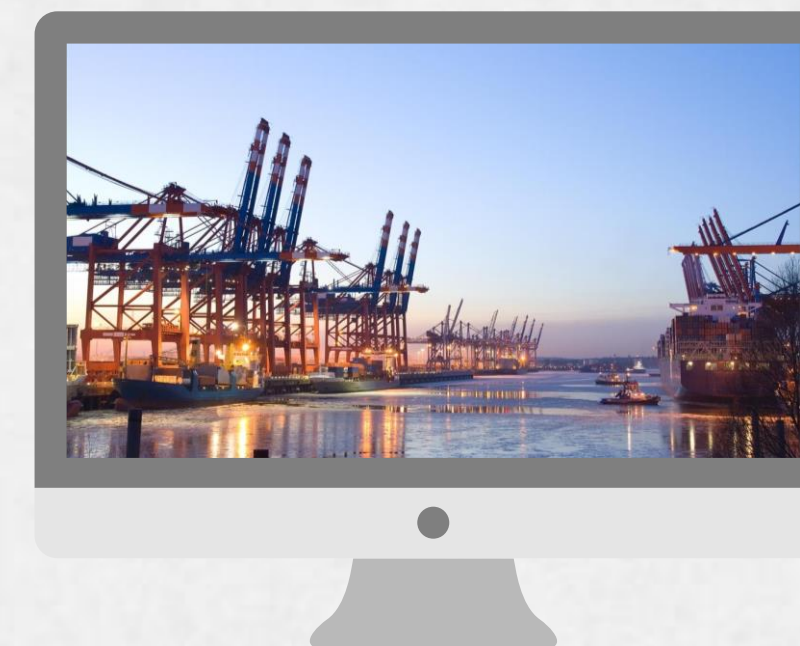
14 LIFE
BELOW WATER



THE BACKBONE OF THE WORLD TRADE

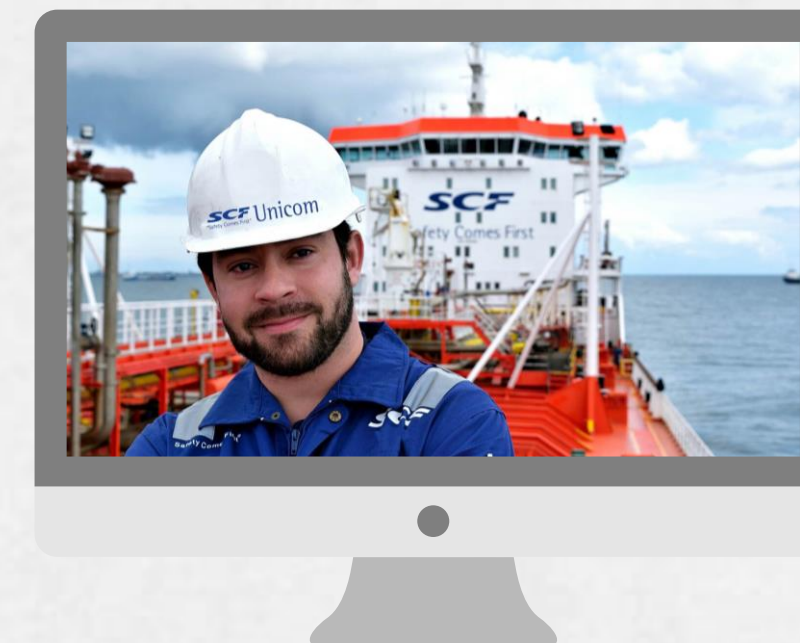


SHIPPING SUSTAINABLE DEVELOPMENT GOALS



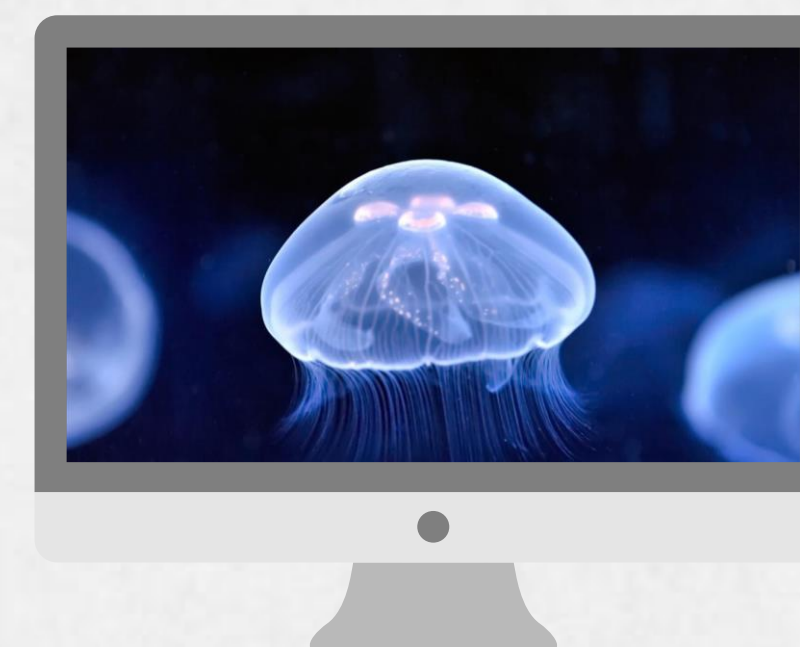
Economic

Safe, Secure, Efficient Shipping



Social

Livelihood



Environment

Protection of the marine and atmospheric environment

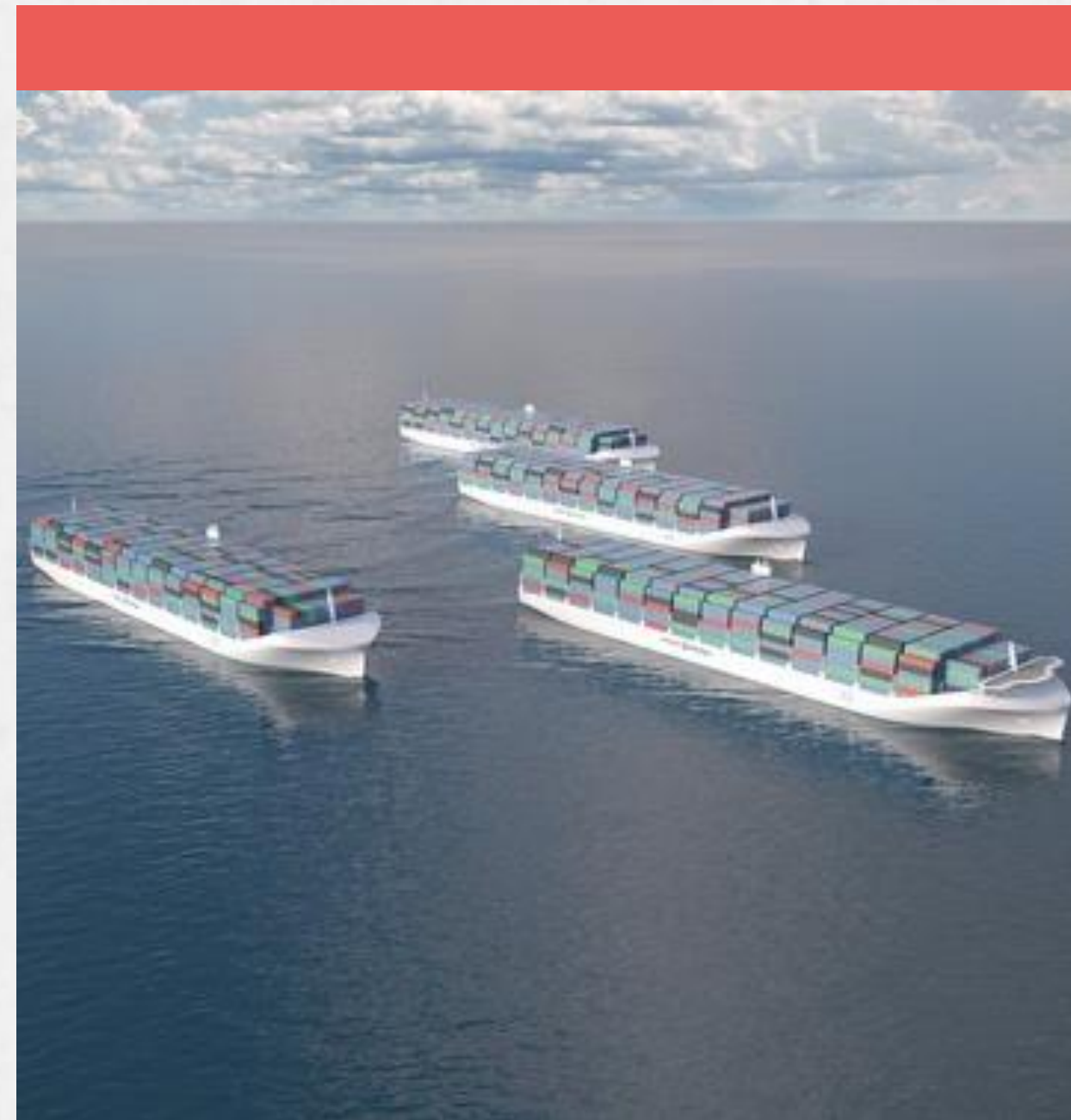
PENDING CHALLENGES



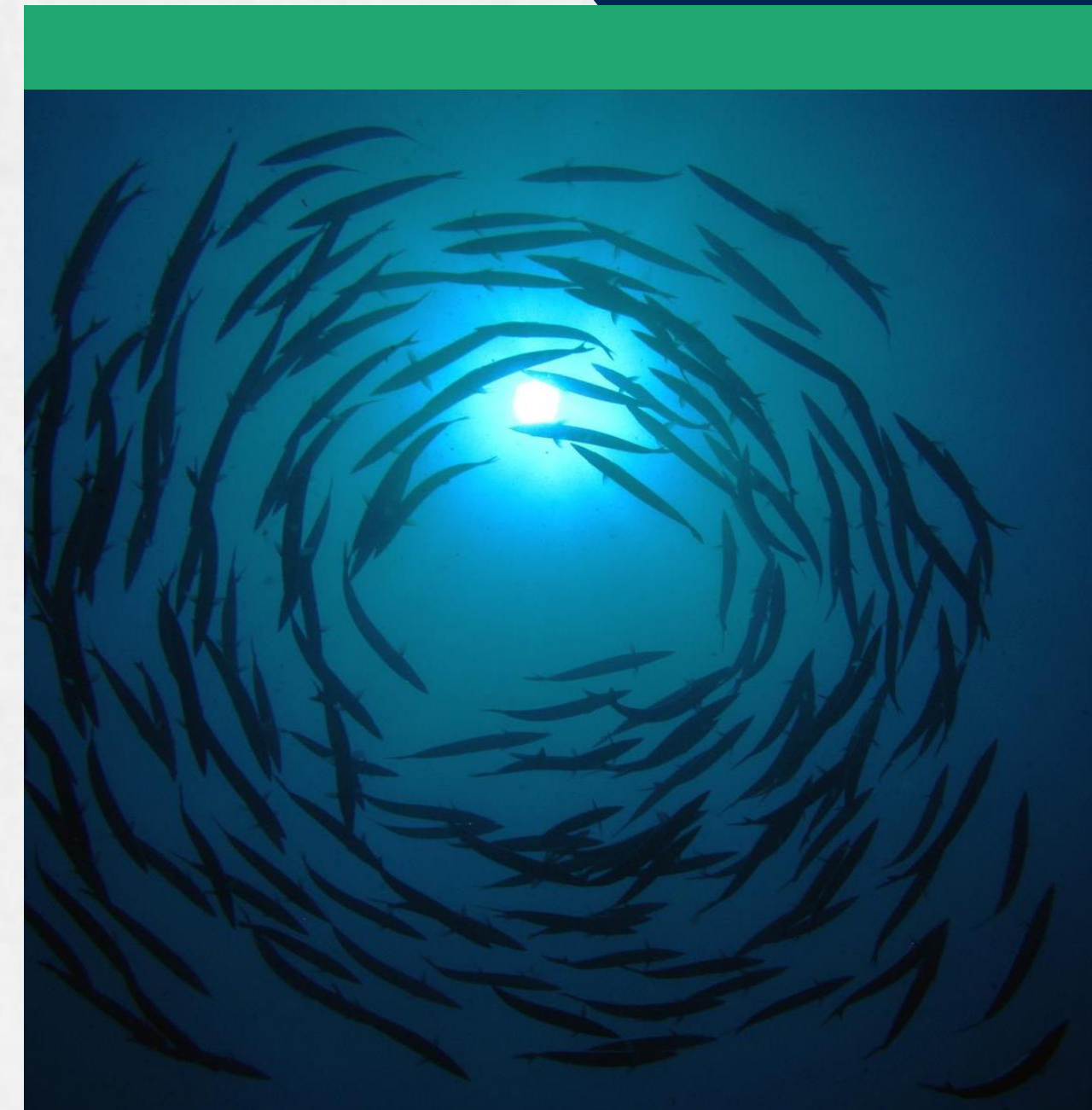
Traditional vs. Novel Shipping



New Ocean Uses

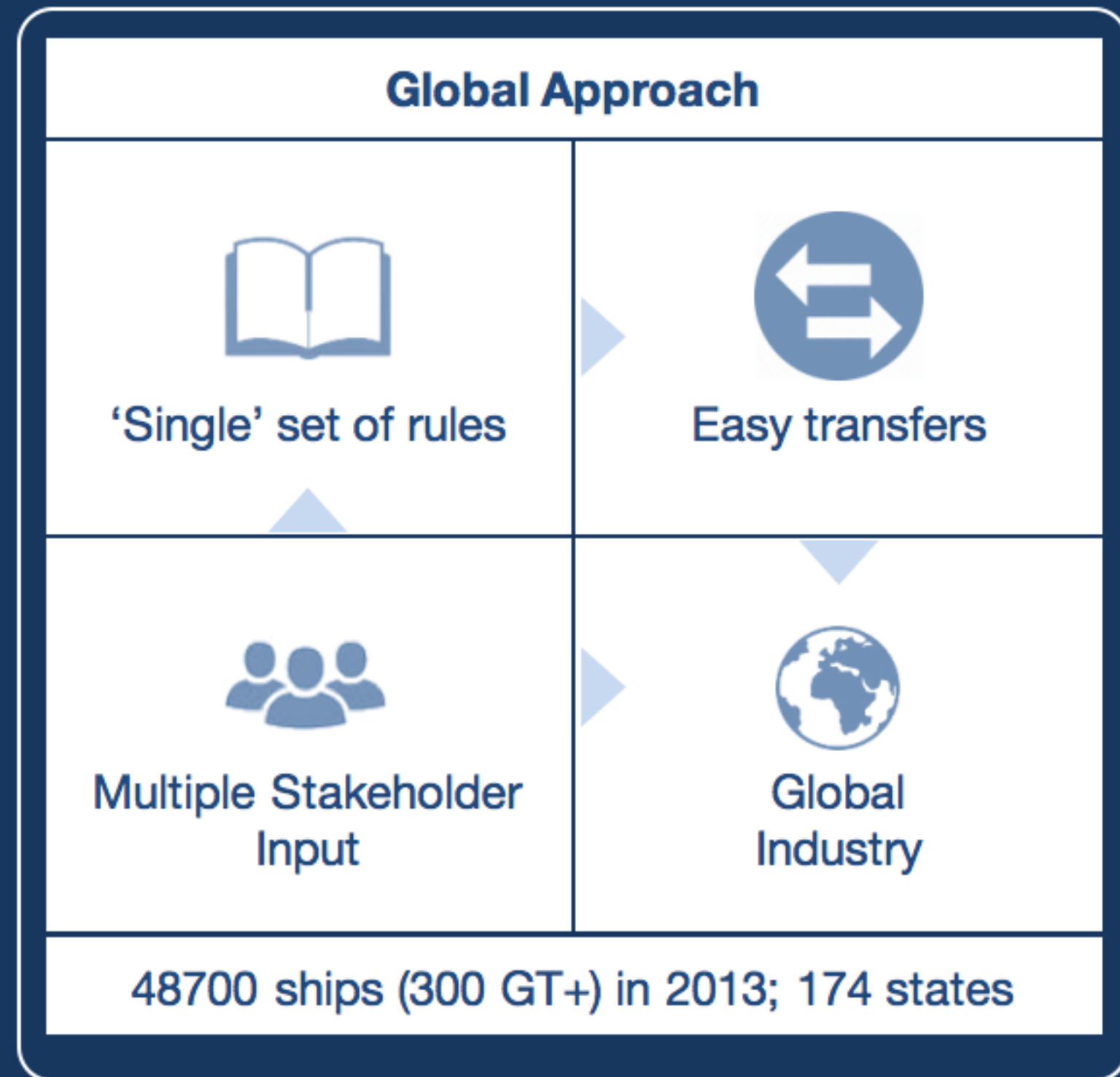


New Technologies

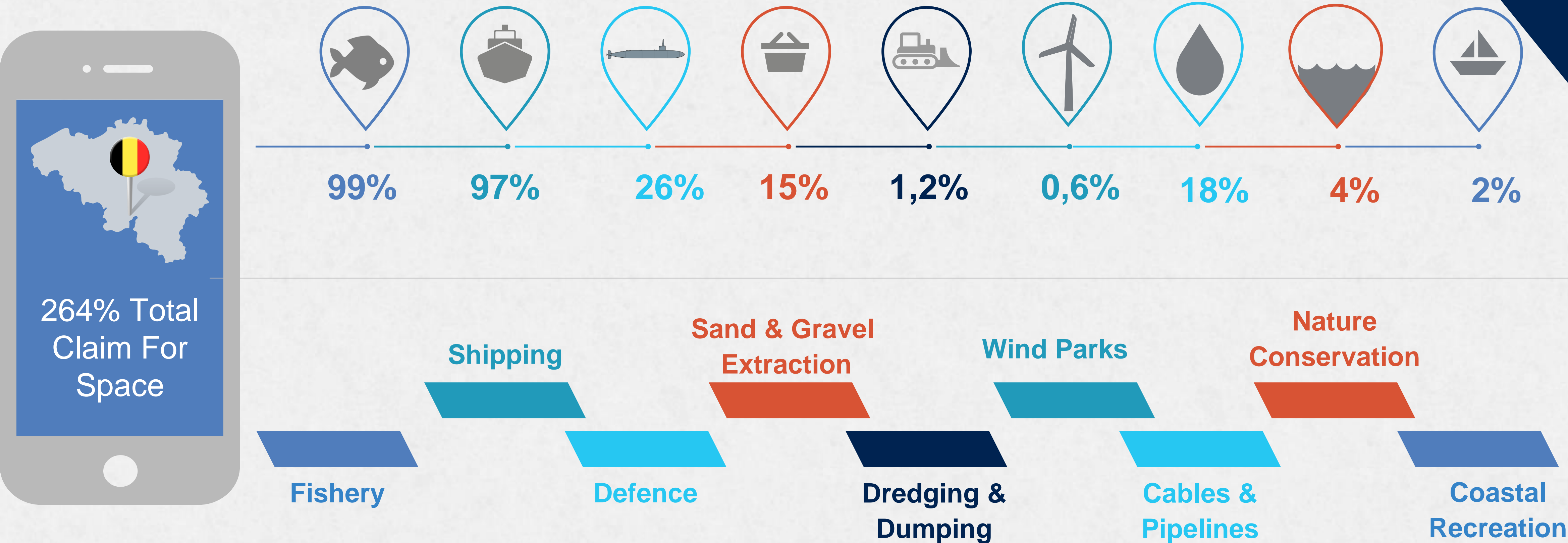


Changing paradigms

INTERNATIONAL LEGAL FRAMEWORK



TOWARDS CROWDED OCEANS?



SPECIAL SHIPPING?

Ferry



Large Passenger Ships



MODUs



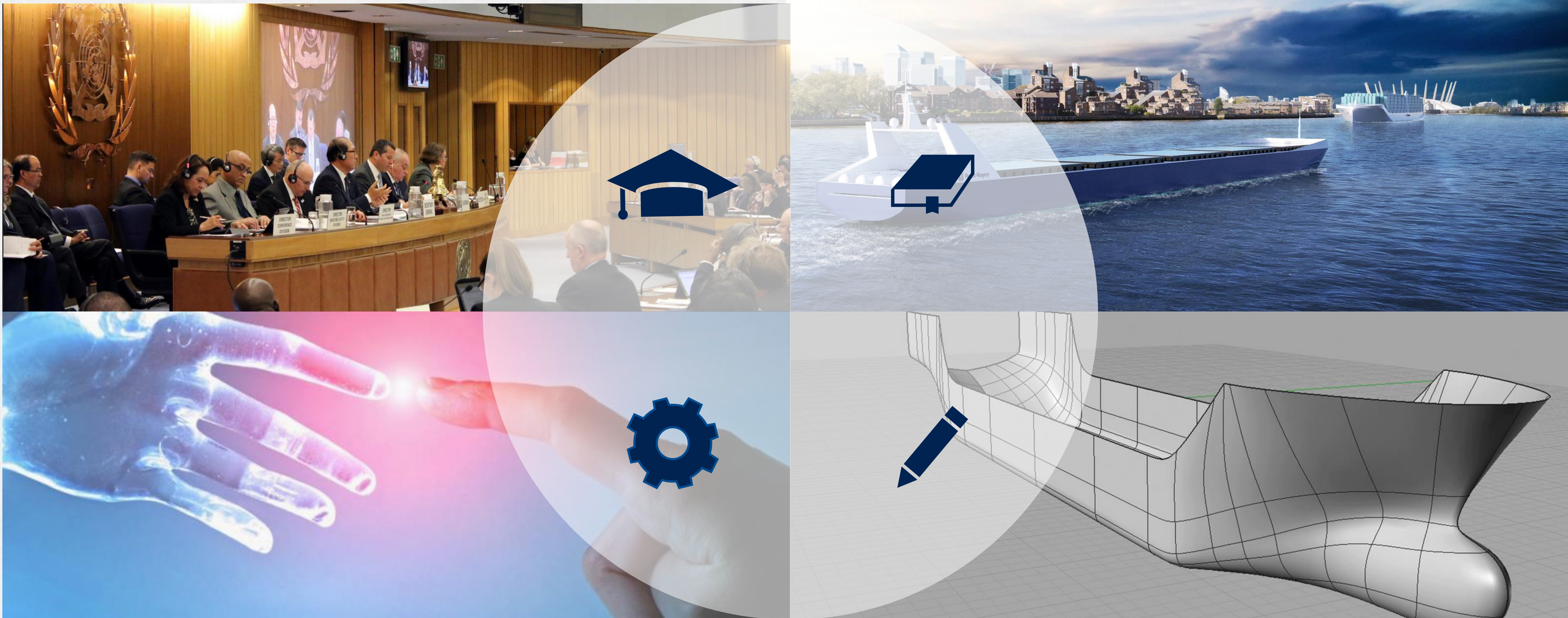
OSVs



UNMANNED VESSELS

Legal Implications

Definitions



New Technologies

Design

NEW ENVIRONMENTAL PRIORITIES



Energy Efficiency



Air Emission



Ballast Water Management

NEW ADMINISTRATORS & MANAGERS NEEDED



WORLD MARITIME UNIVERSITY

MALMÖ, SWEDEN



Mission

Educate future maritime and ocean leaders



Global Relevance

A UN specialised institution in Sweden



Postgraduate programs

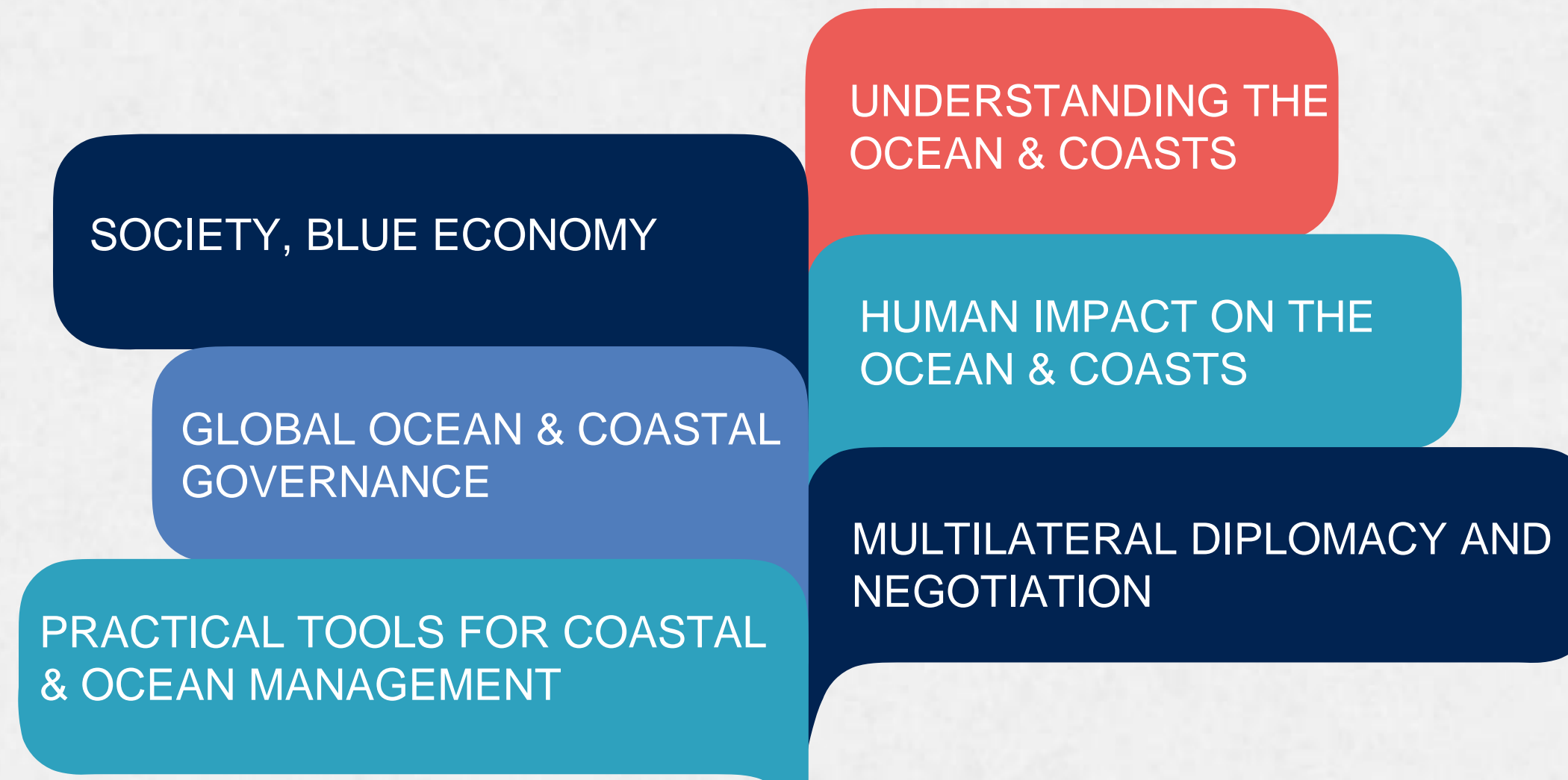
7 master programs + 1 PhD program in maritime and ocean affairs



Alumni

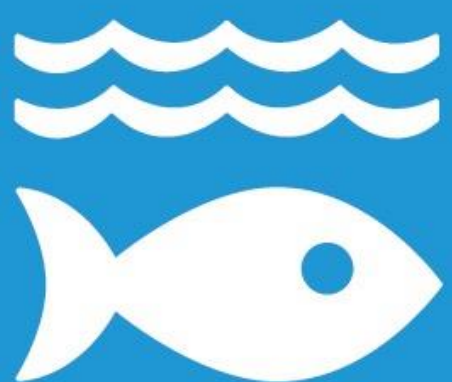
A total of 4116 maritime and ocean maritime professionals from 166 countries

SPECIALIZATION IN OCEAN SUSTAINABILITY, GOVERNANCE AND MANAGEMENT



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14 LIFE BELOW WATER



SPECIALIZATION IN MARITIME ENERGY MANAGEMENT

ENERGY-EFFICIENT SHIP
DESIGN AND OPERATION

MARITIME MANAGEMENT
AND OPERATIONAL
RESEARCH

HUMAN ELEMENT AND ECONOMICS
OF ENERGY MANAGEMENT

ENERGY AND
MARITIME INDUSTRY

ALTERNATIVE FUELS AND
MARINE RENEWABLE
ENERGIES

ENERGY MANAGEMENT IN
MARITIME ONSHORE FACILITIES

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7 AFFORDABLE AND
CLEAN ENERGY



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THANK YOU FOR YOUR ATTENTION

