

Towards Greener Shipping: Strategic Support to Developing Countries through Innovative Projects and Partnerships

MEPC79

Jose Matheickal (presenter/panelist)
Youngso Kim (Panelist)
Gyorgyi Gurban (Panelist)
Sandra Allnutt (panelist)

Department of Partnerships & Projects (DPP)



INTERNATIONAL
MARITIME
ORGANIZATION

Outline

**TC: The Continuum of
Capacity Building**

**Partnership Projects
(Climate Change Related)**

**Partnership Projects
(Oceans Related)**

Projects in pipeline

Outline

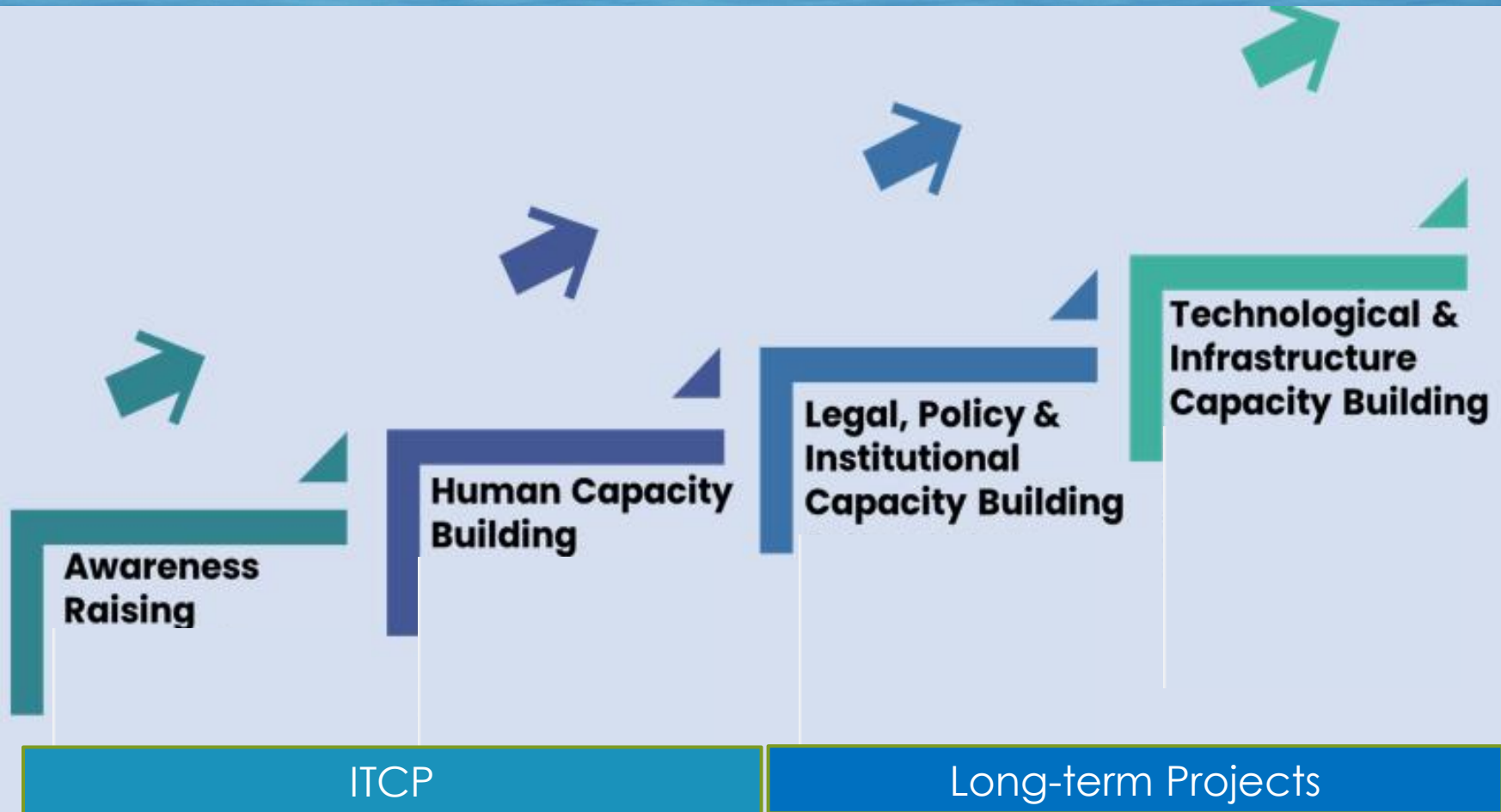
TC: The Continuum of Capacity Building

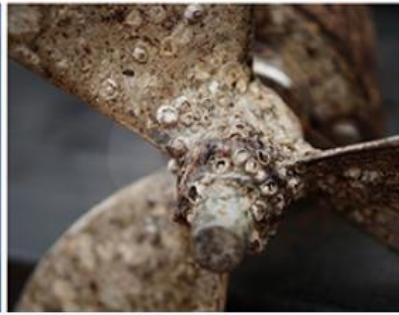
Partnership Projects
(Climate Change Related)

Partnership Projects
(Oceans Related)

Projects in pipeline and
emerging project concepts

IMO's Capacity Building Continuum





IMO: Department of Partnerships and Projects (DPP)



**Develop
Partnerships**



**Mobilize
Resources**

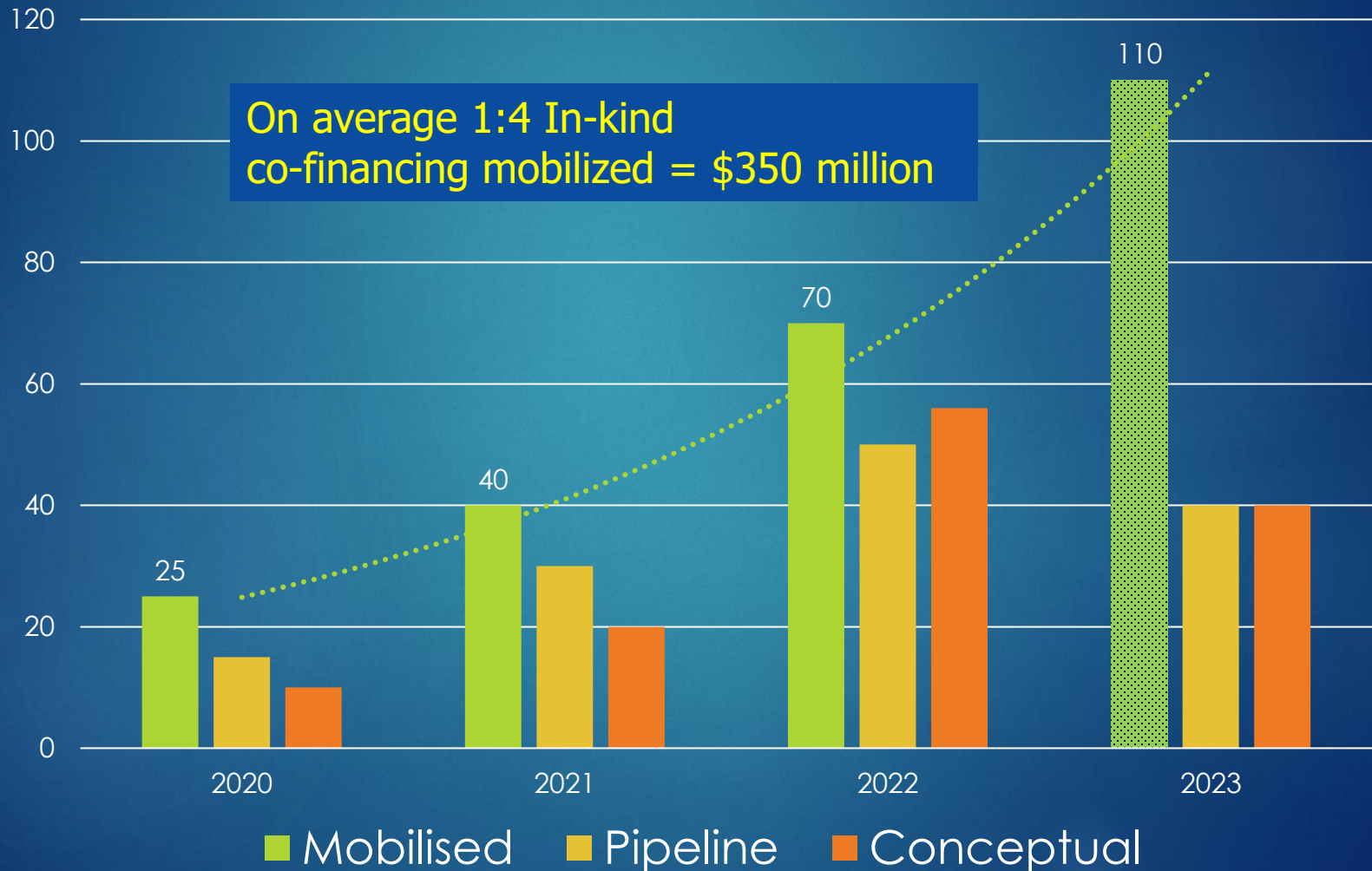


**Implement Long-
term Projects**



**Promote
Inclusive
Innovation, Tech.
& Infrastructure**

Current IMO Projects Portfolio (cumulative) & 2023 Prediction (US\$ million) : Cash



Outline

TC: The Continuum of
Capacity Building

**Partnership Projects
(Climate Change Related)**

Partnership Projects
(Oceans Related)

Projects in pipeline and
emerging project concepts

IMO's Ongoing Long-term Capacity Building Projects (Climate Change Related)



IMO CARES

Coordinated Actions to Reduce Emissions from Shipping

GHG SMART



Towards Green and
Efficient Navigation



**GREEN VOYAGE
2050**

FIN-SMART

**Foundation Building /
Enabling**

NEXTGEN

IMO-CARES

FIN-SMART

MARITIME INNOVATION FORUM

GLOBAL INDUSTRY ALLIANCE

NEXTGEN CONNECT

MTCCs

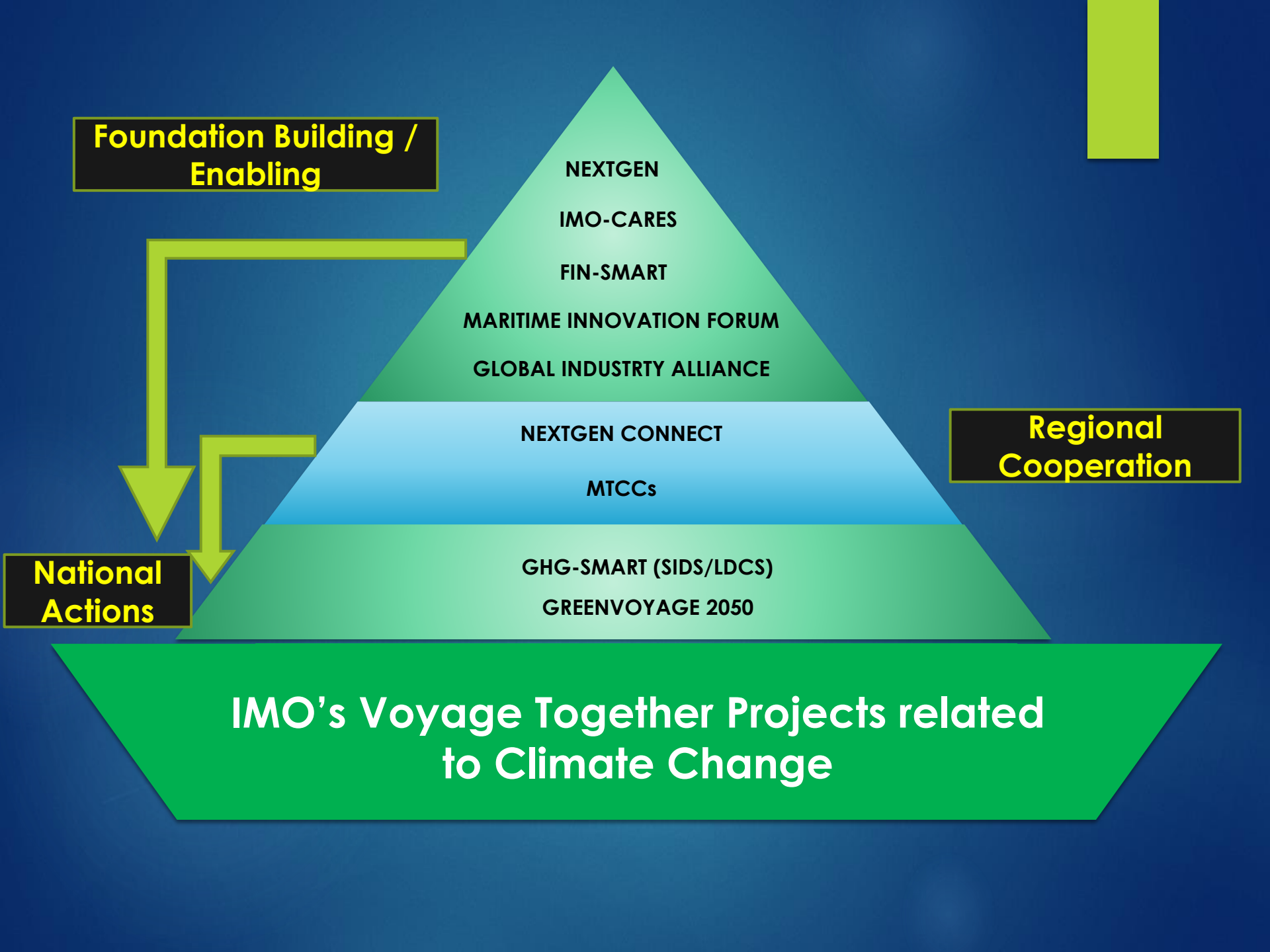
GHG-SMART (SIDS/LDCS)

GREENVOYAGE 2050

**Regional
Cooperation**

**National
Actions**

**IMO's Voyage Together Projects related
to Climate Change**





Towards Green and Efficient Navigation

 GEOGRAPHIC FOCUS	Global
 IMPLEMENTING PARTNERS	Maritime and Port Authority of Singapore
 PROJECT DURATION	2020-2023
 WEBSITE / CONTACT	nextgen.imo.org

Towards green and efficient navigation

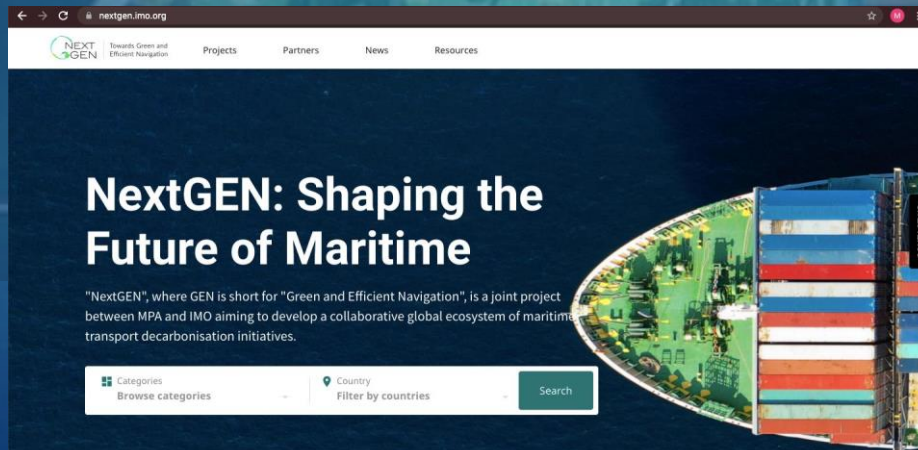


17 PARTNERSHIPS FOR THE GOALS
An IMO initiative under the Department of Partnerships & Projects (DPP)

13 CLIMATE ACTION

14 LIFE BELOW WATER

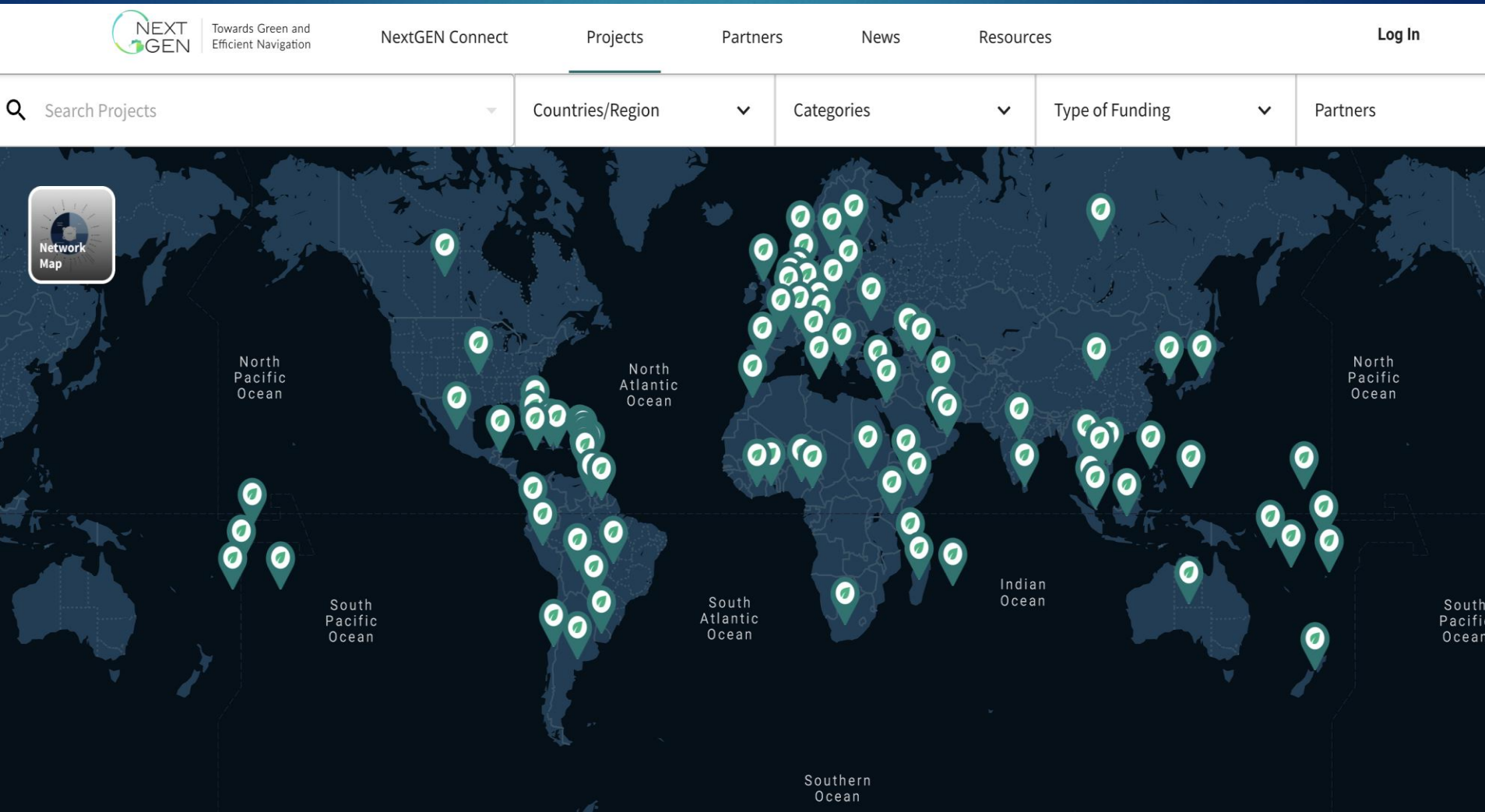
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE





The "Google" of maritime decarbonization projects

Over 250 projects in the NextGEN portal
(nextgen.imo.org)



IMO CARES

Coordinated Actions to Reduce Emissions from Shipping

 GEOGRAPHIC FOCUS	Global
 TOTAL BUDGET	0.4 Million USD (design phase)
 DONOR	Kingdom of Saudi Arabia
 IMPLEMENTING PARTNERS	IMO
 PROJECT DURATION	Jan - Dec 2022
 WEBSITE / CONTACT	imocares.imo.org partnerships@imo.org

Accelerating technology transfer for a voyage together



IMO CARES

Coordinated Actions to Reduce Emissions from Shipping

- Identify specific solution needs of SIDS and LDCs
- “SMART-Challenge” (competition among solution providers)
- Connect solution providers to the end users through MTCCs
- Support pilot projects



FIN-SMART

Roundtable of International Financial Institutions

 GEOGRAPHIC FOCUS	Global
 TOTAL BUDGET	In-kind contribution of implementing partners
 IMPLEMENTING PARTNERS	European Bank for Reconstruction and Development (EBRD) and the World Bank (WB)
 PROJECT DURATION	On-going
 WEBSITE / CONTACT	www.imo.org

Financing maritime decarbonization in developing countries, LDCs and SIDS

- **3 roundtables completed**
- **Dedicated human resources allocated**





Championing innovation for maritime decarbonization

- **IMO-UNEP Forum**
- **1 and 2nd Forum : Over 3000 delegates**
- **3rd Forum: 2023, London**





Energy efficiency technologies (EETS) and operational best practices



Alternative low- and zero-carbon fuels



Addressing emissions at the ship-port interface



IMO - GLOBAL INDUSTRY ALLIANCE LOW-CARBON SHIPPING (Funds: Industry)



Example: GIA Outputs: E-learning Courses

Introductory Course on Energy Efficient Ship Operation



~ 12,000 registered in one year

This course will help you better understand how the maritime industry can reduce its environmental carbon footprint through practical measures to save energy on board. The course is divided into two modules:

- Module 1 – Greenhouse gases and energy efficiency in the maritime industry
- Module 2 – Energy efficiency in the maritime industry

~ 6,000 received certificates

[Click here to access the course.](#)



Energy Saving at Sea



How can the shipping industry be more energy efficient?

Just launched

This course, which covers detailed practical measures that can be taken by the Engine department and Deck department on board ships to save energy in their day-to-day operations. The course is divided into two modules:

- Module 1: Energy saving by the Engine department
- Module 2: Energy saving by the Deck department

[Click here to access the course.](#)



**Foundation Building /
Enabling**

NEXTGEN

IMO-CARES

FIN-SMART

MARITIME INNOVATION FORUM

GLOBAL INDUSTRY ALLIANCE

NEXTGEN CONNECT

MTCCs

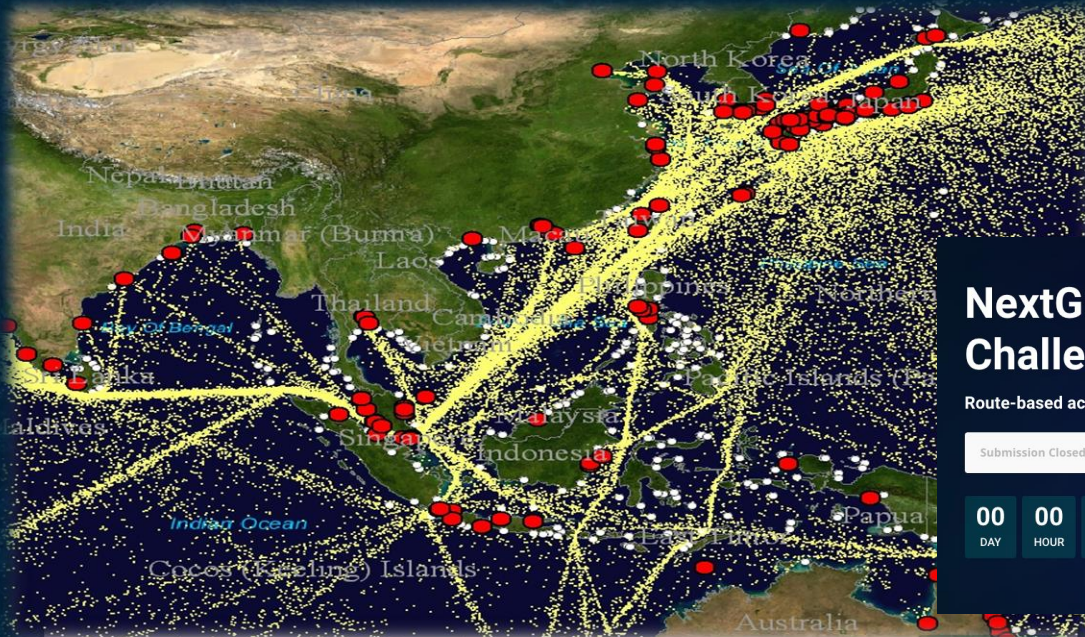
**Regional
Cooperation**

**National
Actions**

GHG-SMART (SIDS/LDCS)

GREENVOYAGE 2050

**IMO's Voyage Together Projects related
to Climate Change**



NextGEN Connect Challenge 2022

Route-based action plans to reduce GHG emissions

Submission Closed

00 DAY 00 HOUR 00 MIN 00 SEC

Categories
Browse categories

Country
Filter by countries

Search



CONNECT

NextGEN is a joint partnership by

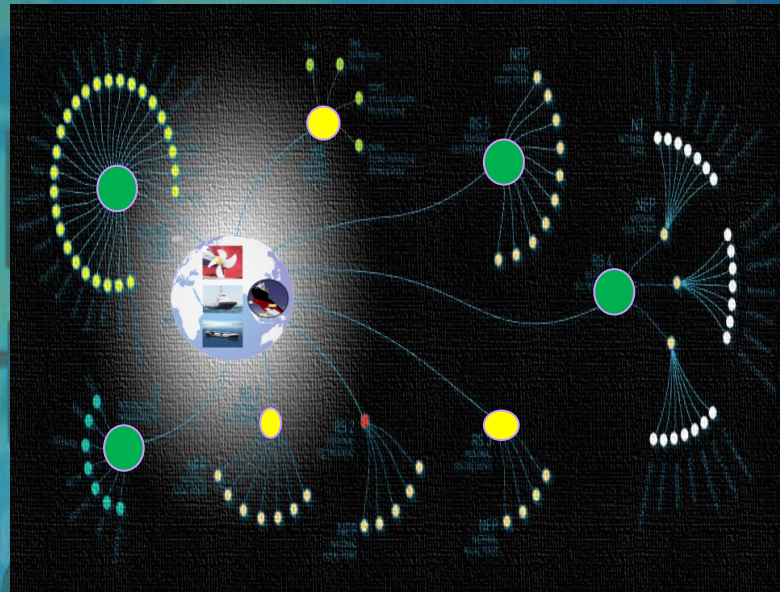




GMN | The Global MTCC Network

A global network for energy-efficient shipping

 GEOGRAPHIC FOCUS	Africa, Asia, Caribbean, and Pacific
 TOTAL BUDGET	EUR 10,000,000
 DONOR	European Union
 IMPLEMENTING PARTNERS	Host Country Governments: Kenya, China, Fiji, Trinidad and Tobago
 PROJECT DURATION	2016 - 03/2022
 WEBSITE / CONTACT	gmn.imo.org gmn@imo.org



13 **CLIMATE ACTION**

17 **PARTNERSHIPS FOR THE GOALS**

An IMO project under the Department of Partnerships & Act (DPP)

5 **GENDEQUALITY**

14 **LIFE BELOW WATER**

9 **INDUSTRIAL INNOVATION AND INFRASTRUCTURE**

7 **AFFORDABLE AND CLEAN ENERGY**

MCCASIA
Maritime Technology Cooperation in Asia

Latin America





GMN | The Global
MTCC Network
A global network for energy-efficient shipping



A GLOBAL NETWORK TO SUPPORT IMO'S INITIAL GHG STRATEGY THROUGH CAPACITY BUILDING AND TECHNOLOGY TRANSFER

151 Participating Countries

42 Small Islands Developing States and 40 Least Developed Countries

3000 PARTICIPANTS



IMO Headquarters
London



4403 PARTICIPATING VESSELS

€ **10M** million funds by EU
+2M million IN-KIND support

5 Fuel Consumption Data Collection Projects

5 Technology Pilots

MTCC LATIN AMERICA
Maritime Technology Cooperation Centre

MTCC CARIBBEAN
Maritime Technology Cooperation Centre



MTCC AFRICA
Maritime Technology Cooperation Centre

3 GMN films

MTCC ASIA
Maritime Technology Cooperation Centre

MTCC PACIFIC
Maritime Technology Cooperation Centre

MTCC PACIFIC
Maritime Technology Cooperation Centre

309 Total Stakeholders



**Foundation Building /
Enabling**

NEXTGEN

IMO-CARES

FIN-SMART

MARITIME INNOVATION FORUM

GLOBAL INDUSTRY ALLIANCE

NEXTGEN CONNECT

MTCCs

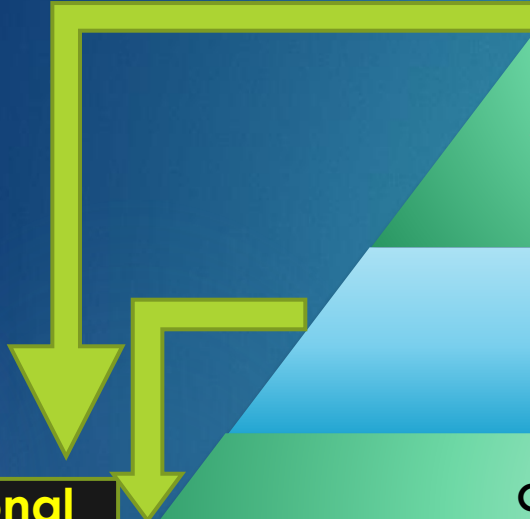
GHG-SMART (SIDS/LDCS)

GREENVOYAGE 2050

**Regional
Cooperation**

**National
Actions**

**IMO's Voyage Together Projects related
to Climate Change**



GHG SMART



GEOGRAPHIC FOCUS

International; with a focus on SIDS (Small Island Developing States) and LDCs (Least Developed Countries)



TOTAL BUDGET

USD 2.5 million



DONOR

Republic of Korea



IMPLEMENTING PARTNERS

KOMSA (Korean Maritime Transportation Safety Authority), Republic of Korea



PROJECT DURATION

2020 - 2024



WEBSITE / CONTACT

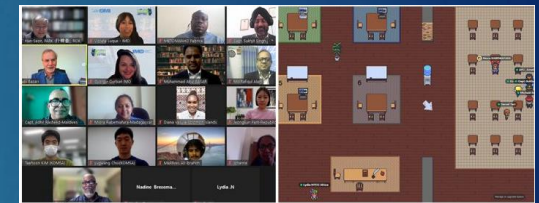
ggurban@imo.org

Supporting SIDS and LDCs to implement the IMO GHG Strategy



GHG SMART: Progress So far

- **Delivery of online training (15 SIDS/ LDCs)**
- **Trainee-specific individual training programme**
- **Practical training and industry site visits in R. O Korea**
- **Follow-up to practical training with each trainee**
- **Participants' Recognition Scheme (WMU Fellowships)**
- **Call for participation in 2nd Training Course in Republic of Korea in 2023**



Request for nomination of next GHG-SMART Training (CL No: 4644)

Closing date: 10 Jan 2023



E

4 ALBERT EMBANKMENT
LONDON SE1 7SR
Telephone: +44 (0)20 7735 7611 Fax: +44 (0)20 7587 3210

Circular Letter No.4644
4 November 2022

To: All IMO Members
Intergovernmental organizations
Parties to the MARPOL Convention which are not Members of IMO

Subject: **Call for Nominations of Participants in the second round of the Sustainable Maritime Transport Training Programme to support the implementation of the IMO Strategy on Reduction of GHG Emissions from Ships (GHG-SMART)**



GREEN VOYAGE 2050



GEOGRAPHIC FOCUS

New Pilot Countries: Azerbaijan, Belize, Cook Islands, Ecuador, Kenya, Solomon Islands and Sri Lanka

Pioneer Pilot Countries: China, Georgia, India, Malaysia and South Africa



TOTAL BUDGET

7.15 Million USD



DONOR

Norwegian Ministry of Climate and Environment



PROJECT DURATION

2019-2022



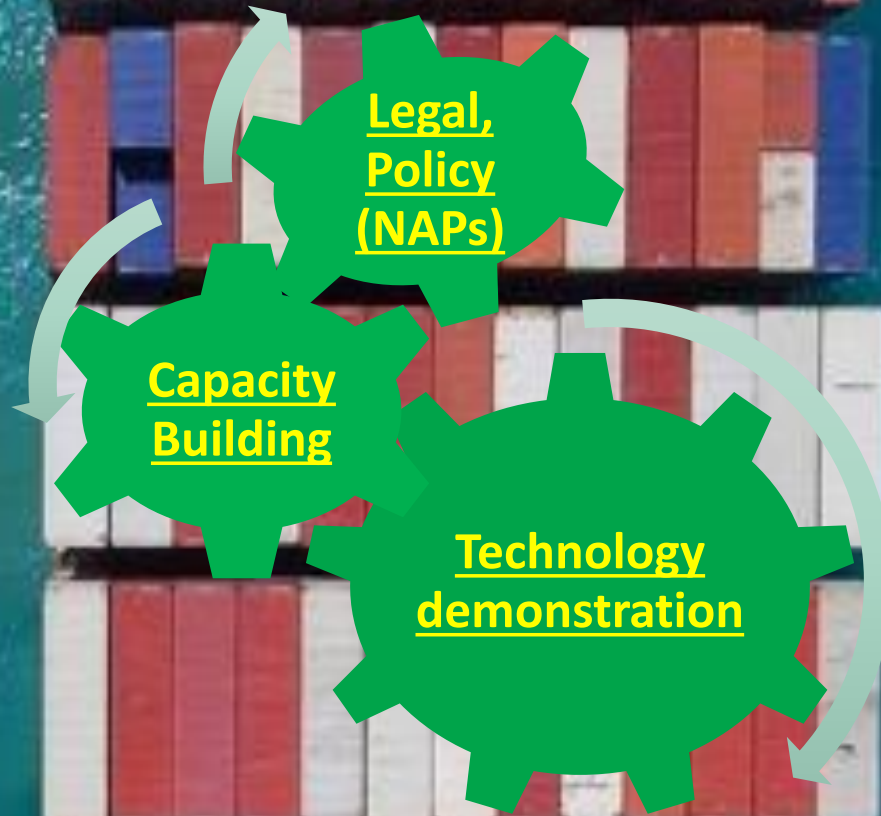
WEBSITE / CONTACT

greenvoyage2050.imo.org
greenvoyage2050@imo.org

Supporting shipping's transition towards a low carbon future



GreenVoyage2050



Pioneer Pilot Countries



China
Maritime Safety
Administration



Georgia
Maritime Transport Agency



India
Directorate General of
Shipping



Malaysia
Ministry of Transport



South Africa
Ministry of Transport

Technology Pilots

New Pilot Countries



Azerbaijan
State Maritime Agency



Belize
Belize Port Authority



Cook Islands
Ministry of Foreign Affairs &
Immigration



Ecuador
Subsecretaría de Puertos y
Transporte Marítimo y Fluvial



Kenya
State Department For
Maritime And Shipping Affairs



Solomon Islands
Maritime Authority



Sri Lanka
Marine Environment
Protection Authority

National Action
Plans

Outline

TC: The Continuum of
Capacity Building

Partnership Projects
(Climate Change Related)

**Partnership Projects
(Oceans Related)**

Projects in pipeline and
emerging project concepts

IMO's Long-term Capacity Building Green Projects (Oceans & Security Related)



SENSREC

GLONoise

**CARIB-SMART
(Prep)**



 GEOGRAPHIC FOCUS	<p>Lead Partnering Countries: Brazil, Ecuador, Fiji, Indonesia, Jordan, Madagascar, Mauritius, Mexico, Peru, Philippines, Sri Lanka, Tonga.</p> <p>Partnering Countries: Argentina, Chile, China, Comoros, Djibouti, Islamic Rep. of Iran, Jamaica, Malaysia, Nigeria, Somalia, Sudan, Suriname, Tuvalu.</p>
 TOTAL BUDGET	6.9 Million USD (+ co-financing cash and in-kind)
 DONOR	Global Environment Facility (GEF)
 IMPLEMENTING PARTNERS	UNDP, Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO).
 PROJECT DURATION	2019-2023
 WEBSITE / CONTACT	www.glofouling.imo.org glofouling@imo.org

Preventing the spread of invasive aquatic species



GloFouling
PARTNERSHIPS

Guide to Developing National Status Assessments

of Biofouling Management to Minimize the Introduction of Invasive Aquatic Species

Guide 1

GloFouling
PARTNERSHIPS

Guide to Developing National Biofouling Strategies

on Biofouling Management to Minimize the Introduction of Invasive Aquatic Species

Guide 3

GloFouling
PARTNERSHIPS

Guide to Developing National Rapid Economic Assessments

of Biofouling Management to Minimize the Introduction of Invasive Aquatic Species

Guide 2

GloFouling
PARTNERSHIPS

Website content and design resources

For Lead Partnering Countries and Regional Coordinating Organizations participating in the GloFouling Partnerships Project

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GloFouling
PARTNERSHIPS

ICOMIA
International Council on Marine Invasive Species

IUCN
World Sailing

BIOFOULING MANAGEMENT FOR RECREATIONAL BOATING

Recommendations to Prevent the Introduction and Spread of Invasive Aquatic Species

GloFouling
PARTNERSHIPS
Global Industry Alliance

Compilation and Comparative Analysis of Existing and Emerging Regulations, Standards and Practices Related to Ships' Biofouling Management

GloFouling
PARTNERSHIPS
Global Industry Alliance

Analysing the Impact of Marine Biofouling on the Energy Efficiency of Ships and the GHG Abatement Potential of Biofouling Management Measures

TEST Biofouling

Transfer of Environmentally Sound Technologies Biofouling Project

 GEOGRAPHIC FOCUS	Lead Partnering Countries: Brazil, Ecuador, Fiji, Indonesia, Jordan, Madagascar, Mauritius, Mexico, Peru, Philippines, Sri Lanka, Tonga. Partnering Countries: Argentina, Chile, China, Comoros, Djibouti, Islamic Rep. of Iran, Jamaica, Malaysia, Nigeria, Somalia, Sudan, Suriname, Tuvalu.
 TOTAL BUDGET	4 Million USD
 DONOR	The Norwegian Agency for Development Cooperation (Norad)
 IMPLEMENTING PARTNERS	MTCC Africa, MTCC Caribbean, MTCC Pacific.
 PROJECT DURATION	2022-2025
 WEBSITE / CONTACT	partnerships@imo.org

Technology Demonstration and Transfer



MTCC Caribbean



MTCC Pacific



MTCC Africa





GloLitter
partnerships



GloLitter
Global Industry Alliance



An IMO project
under the Department
of Partnerships &
Projects (DPP)



**GEOGRAPHIC
FOCUS**

Asia, Caribbean, Latin America, Pacific and Africa.
Lead Partnering Countries: Brazil, Costa Rica,
Côte d'Ivoire, India, Indonesia, Jamaica, Kenya,
Madagascar, Nigeria and Vanuatu.
Partnering Countries: Argentina, Cabo Verde,
Columbia, Ecuador, Gambia, Mozambique,
Nicaragua, Panama, Peru, Philippines, Senegal,
Sri Lanka, Solomon Islands, Sudan, United Republic
of Tanzania, Thailand, Timor-Leste, Togo, Tonga
and Viet Nam.



**TOTAL
BUDGET**

NOK 40 million (about US\$ 4.5 million)



DONOR

Norwegian Agency for Development
Cooperation (Norad)



**IMPLEMENTING
PARTNERS**

The Food and Agriculture Organization (FAO)



**PROJECT
DURATION**

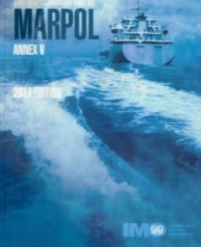
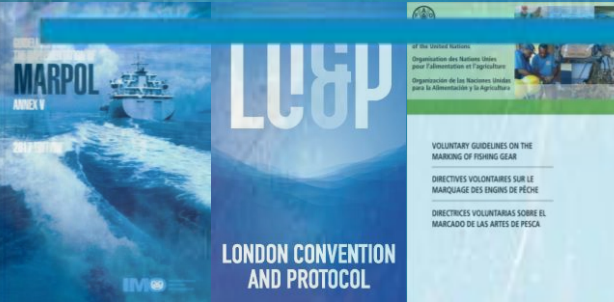
2020 - June 2024



**WEBSITE /
CONTACT**

Glolitter@imo.org

Reducing sea-based marine plastic litter



LUGP
LONDON CONVENTION
AND PROTOCOL





Marine Environment Protection
of the South-East Asian Seas



**GEOGRAPHIC
FOCUS**

South-East Asia



**TOTAL
BUDGET**

2 Million USD



DONOR

Norwegian Agency for Development
Cooperation (Norad)



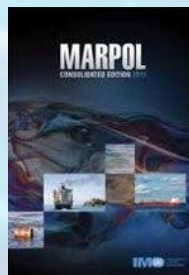
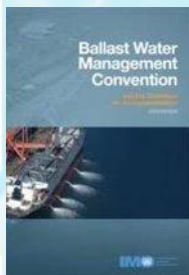
**PROJECT
DURATION**

2018-2021 (Extension to 2022)



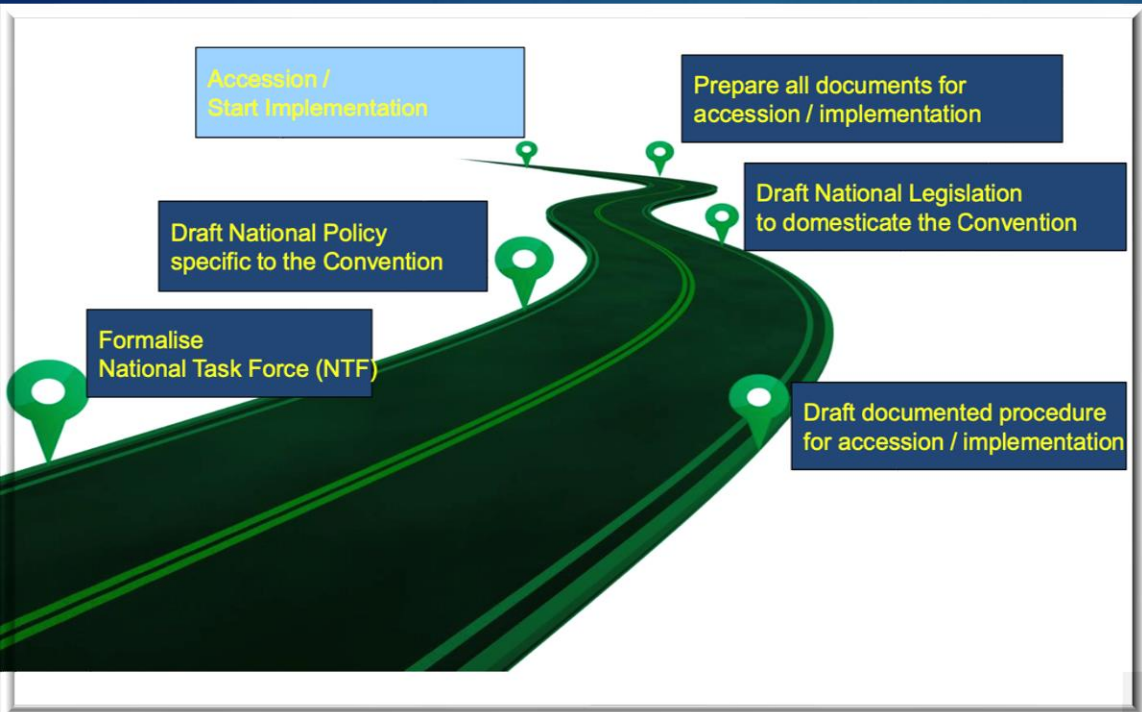
**WEBSITE /
CONTACT**

mepseas.imo.org
mepseas@imo.org



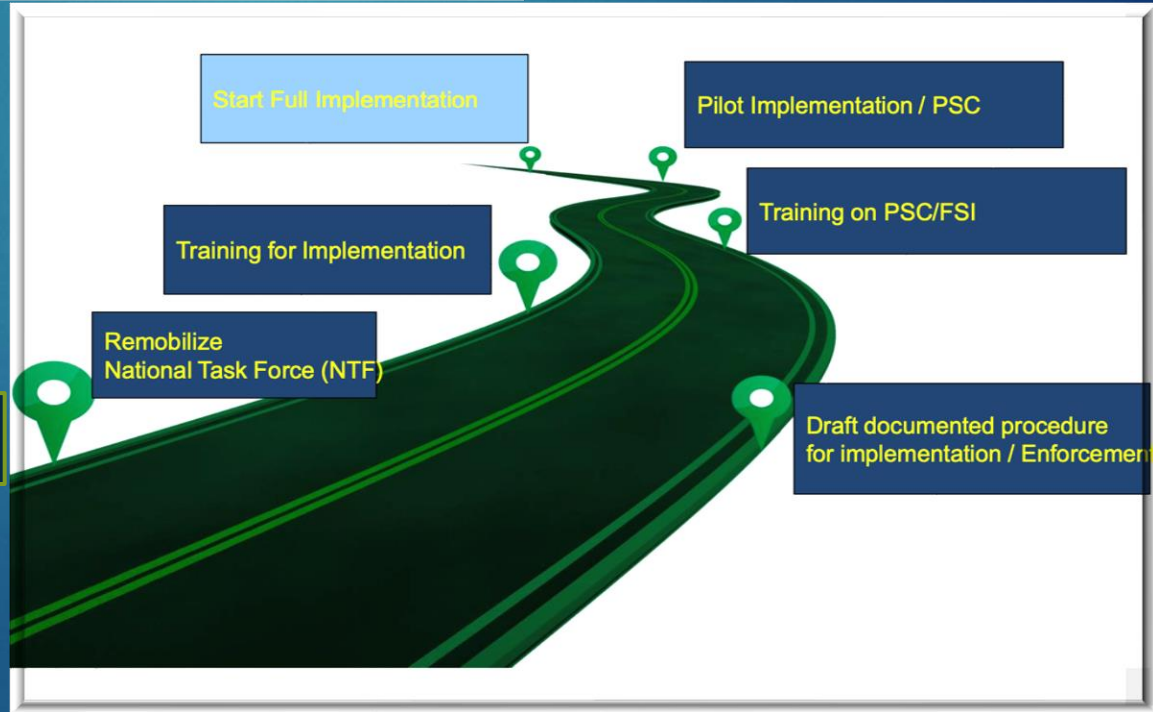
Protecting South-East Asian seas





Phase-1 (2014-18)

Phase-2 (2019-22)



Baseline scenario at start of Phase 1



Countries	Conventions	National Task Force	Draft National Legislation	Draft National Policy Strategy	Ratification	Draft National Action Plans	National Training Institute Identified	National Training Experts Identified	National Training on Implementation	Detailed Draft Regulations	CME Training	Draft Port/Flag State Control Procedures	Pilot Launch of PSC Inspection in key port
CAMBODIA	MARPOL I & II	Incomplete	Incomplete	Incomplete	Complete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
	MARPOL V	Incomplete	Incomplete	Incomplete	Complete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
INDONESIA	AFS	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
	BWM	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
MALAYSIA	BWM	Incomplete	Incomplete	Incomplete	Complete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
	MARPOL I & II	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
PHILIPPINES	AFS	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
	BWM	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
THAILAND	MARPOL V	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
	LP	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
VIET NAM	AFS	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete
	BWM	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete	Incomplete

Note: Myanmar did not participate in Phase 1

	Complete
	In Progress
	Incomplete

SENSREC – Phase II

 GEOGRAPHIC FOCUS	Bangladesh
 TOTAL BUDGET	1.1 Million USD
 DONOR	Ministry of Foreign Affairs, Norway
 IMPLEMENTING PARTNERS	Ministry of Industries, Government of the People's Republic of Bangladesh
 PROJECT DURATION	2018 – 2021
 WEBSITE / CONTACT	www.imo.org

Supporting safe and environmentally sound ship recycling

SENSREC PHASE III will Support Further Training, Ratification and Governance of Waste Treatment, Storage and Disposal Facility Construction (TSDF)





Accession to HKC

Roadmap for Yards

Draft legislations and policies

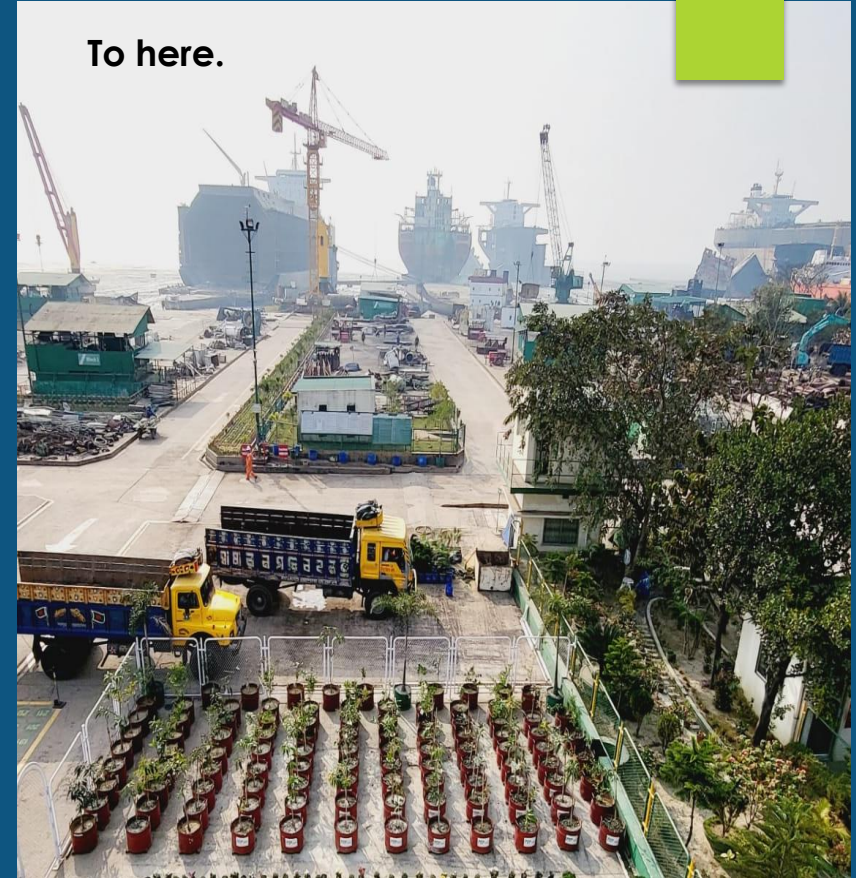
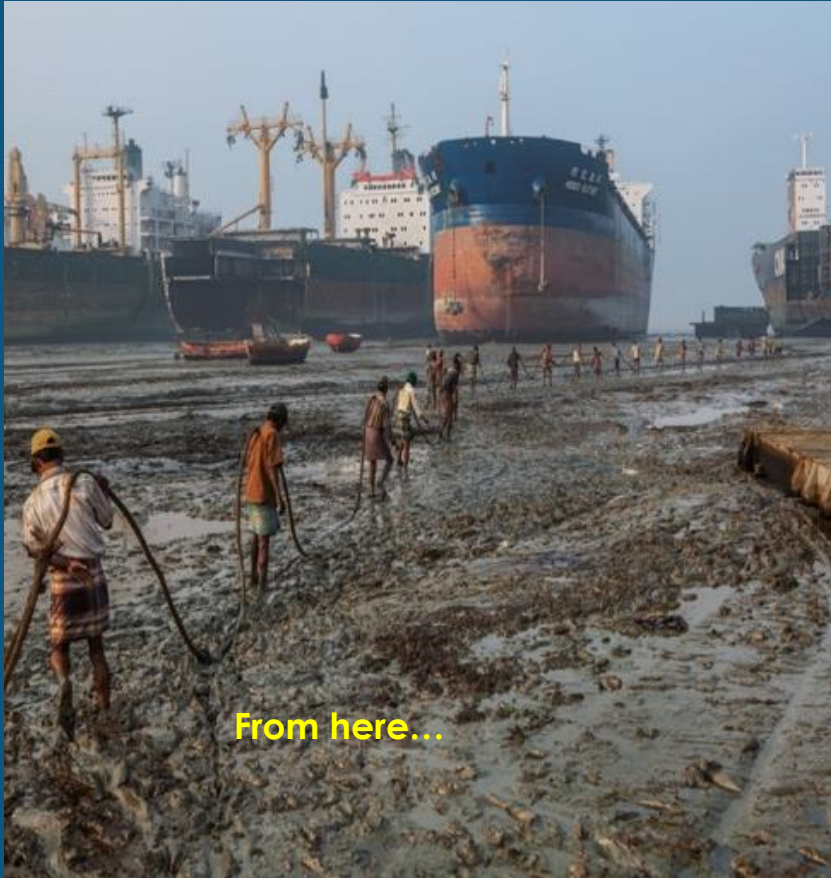
Ship Recycling Board / Act

Baseline studies (data)

Training of Admin and Yards

SENSREC JOURNEY

SENSREC INDUCED TRANSFORMATION



Outline

TC: The Continuum of
Capacity Building

Partnership Projects
(Climate Change Related)

Partnership Projects
(Oceans Related)

Projects in pipeline

Projects In Pipeline

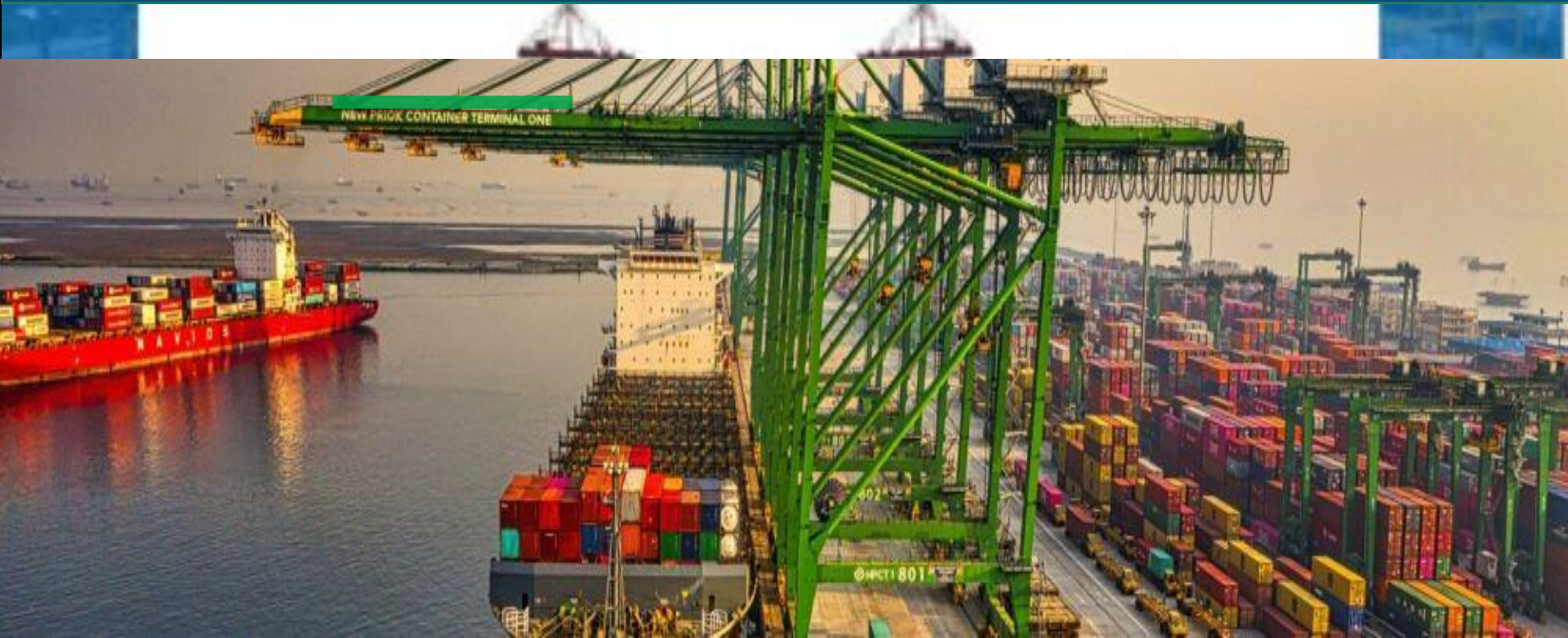
BLUE SOLUTIONS – ASIA (15 Million Euro)
Donor: Germany

Integrated Approach for GHG Reduction: ships, ports and hinterland!

SHIPS

PORTS

HINTERLAND TRANSPORT



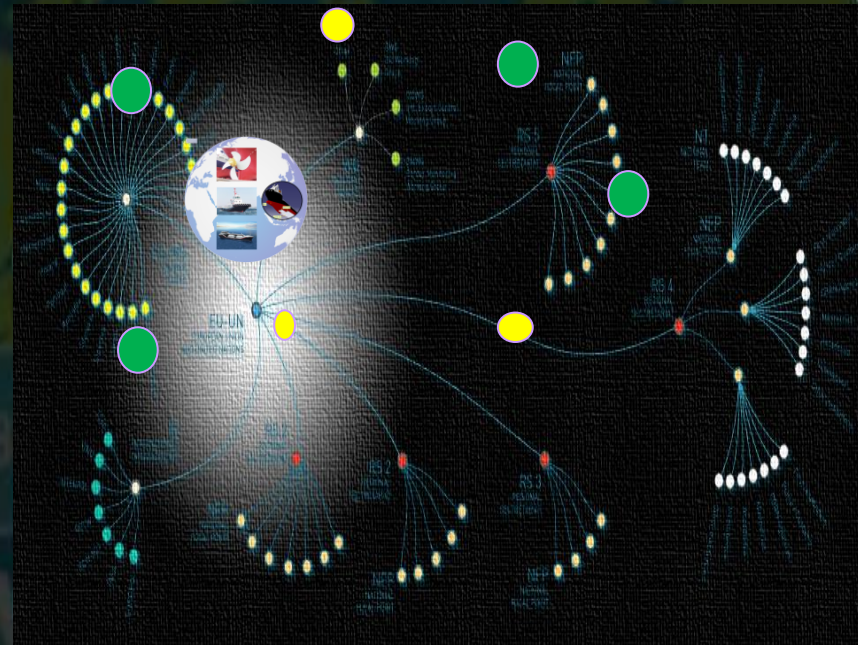
Projects In Pipeline



Phase 2



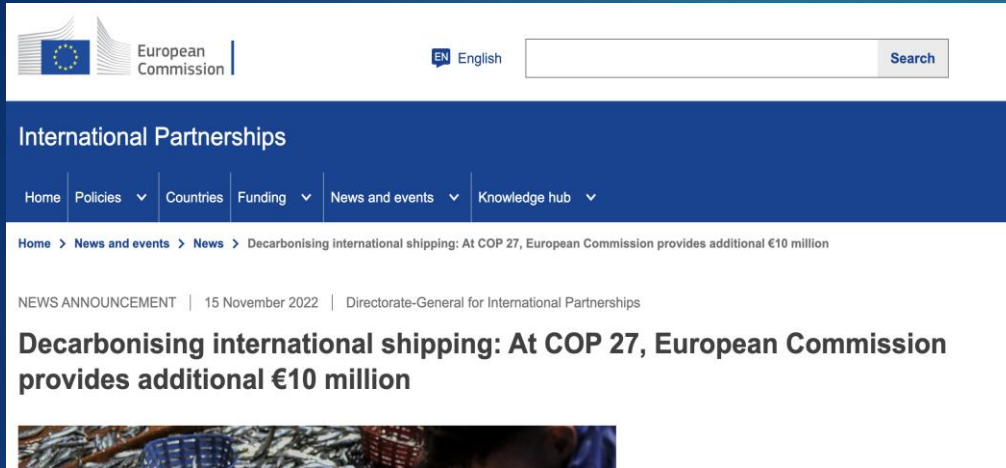
GEOGRAPHIC FOCUS	<p>Donor: EU</p> <p>10 million Euro</p> <p>2023-2027</p>
TOTAL BUDGET	
DONOR	
IMPLEMENTING PARTNERS	
PROJECT DURATION	
WEBSITE / CONTACT	



LATIN AMERICA
Cooperation Centre



And the good news is!....



The screenshot shows the European Commission website. At the top left is the European Commission logo. To its right is a language selector set to 'English' and a search bar. Below this is a navigation menu for 'International Partnerships' with sub-items: Home, Policies, Countries, Funding, News and events, and Knowledge hub. The main content area features a breadcrumb trail: Home > News and events > News > Decarbonising international shipping: At COP 27, European Commission provides additional €10 million. Below the breadcrumb is the text 'NEWS ANNOUNCEMENT | 15 November 2022 | Directorate-General for International Partnerships'. The main headline reads: 'Decarbonising international shipping: At COP 27, European Commission provides additional €10 million'. A small image of a ship is partially visible at the bottom left of the news item.

Euro 10 million Pledge by EU to GMN Phase 2



Projects In Pipeline



GREEN VOYAGE
2 0 5 0

Phase 2



GEOGRAPHIC FOCUS

Norway + Others



TOTAL BUDGET

- **Energy Transition**



DONOR

- **Tech. Demonstrations**



PROJECT DURATION

- **Gap Funding**



WEBSITE / CONTACT

- **NAPs**

Supporting shipping's transition towards a low carbon future



GloNoise Partnership

 GEOGRAPHIC FOCUS	Global
 TOTAL BUDGET	2 Million USD (+ co-financing in-kind)
 DONOR	The Global Environment Facility (GEF)
 IMPLEMENTING PARTNERS	UNDP
 PROJECT DURATION	24 Months (mid-2023 – mid-2025) <i>Preparatory phase started in August 2022</i>
 WEBSITE / CONTACT	www.imo.org SReyese@imo.org

Reducing underwater noise to protect marine life



17 PARTNERSHIPS FOR THE GOALS



An IMO project under the Department of Partnerships & Projects (DPP)



14 LIFE BELOW WATER



Projects In Pipeline



Discussion with a Donor in Progress

**Funding:
Aprx \$ 5.6 million**

**Duration:
2023-2027**



Reducing sea-based marine plastic litter

ASIA



Outline

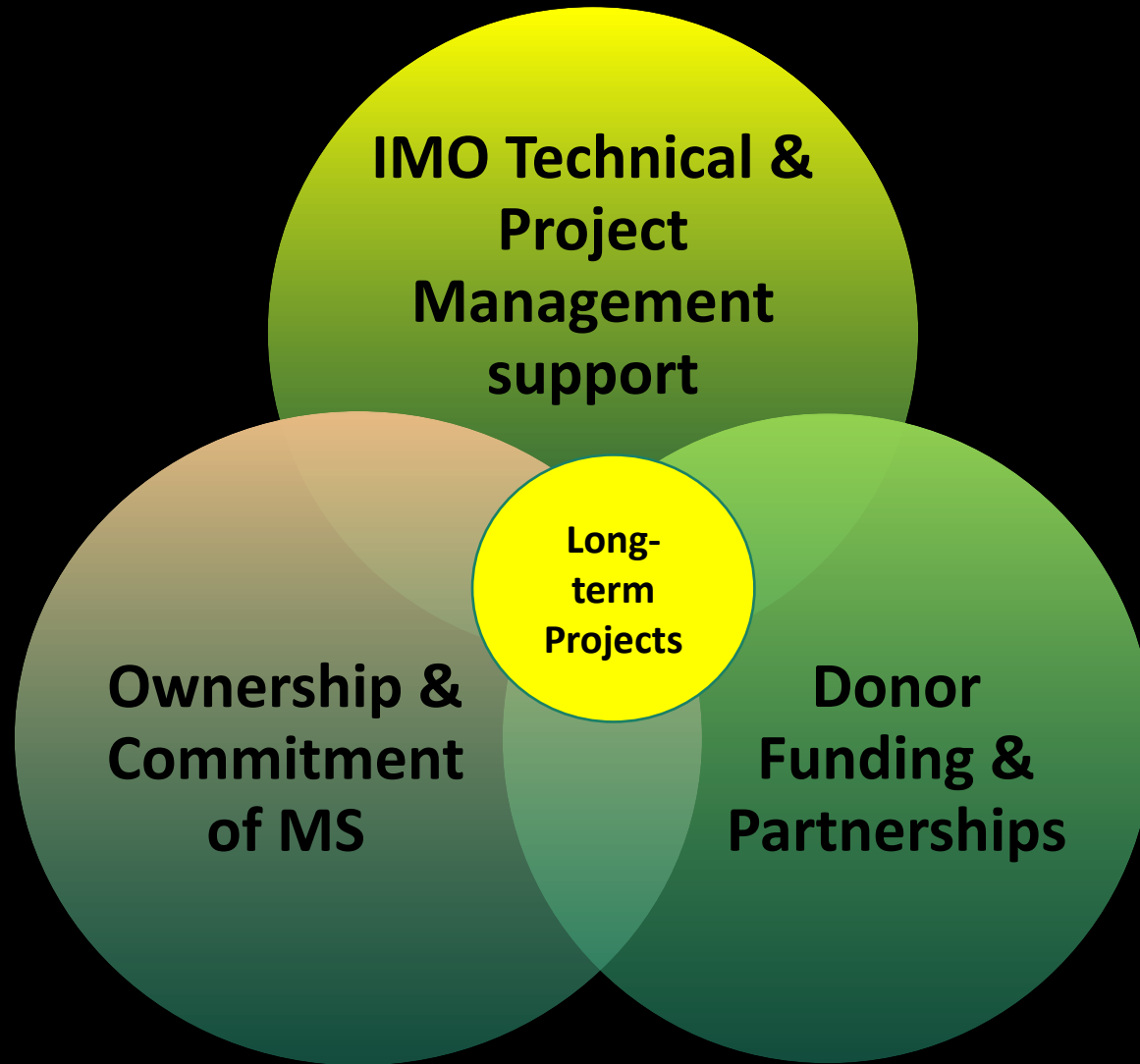


TC: The Continuum of
Capacity Building

Partnership Projects
(Climate Change Related)

Partnership Projects
(Oceans Related)

**Knowledge Partnerships and
emerging project concepts**



Knowledge Partnership Mechanism and Workshops

NKPOs



ODA agencies

- Donors
- Recipients

Knowledge Partnership events 2023

Category	Event	Date	Location
Knowledge Partnerships Workshops (KPW)	Pacific	27-31 March	The Pacific Community (SPC), Suva, Fiji
	West & Central Africa (Anglophone)	TBC Q1	TBC
	Latin America	TBC Q2	TBC
Knowledge Partnership Side events (KPSE)	Singapore Maritime Week	24-28 April	Singapore
	Nor-shipping	6-9 June	Oslo, Norway
	Korea Maritime Week	14-16 June	Seoul, Republic of Korea

IMO Multi-Donor Voluntary Trust Funds related to Environment Protection

- IMO R&D MDVTF (*R&D and Innovation Promotion*)
- IMO GHG TC MDVTF (*General Technical Cooperation*)
- IMO SIDS/LDC MDVTF (*participation of developing countries in particular SIDS/LDCs in IMO Meetings*)



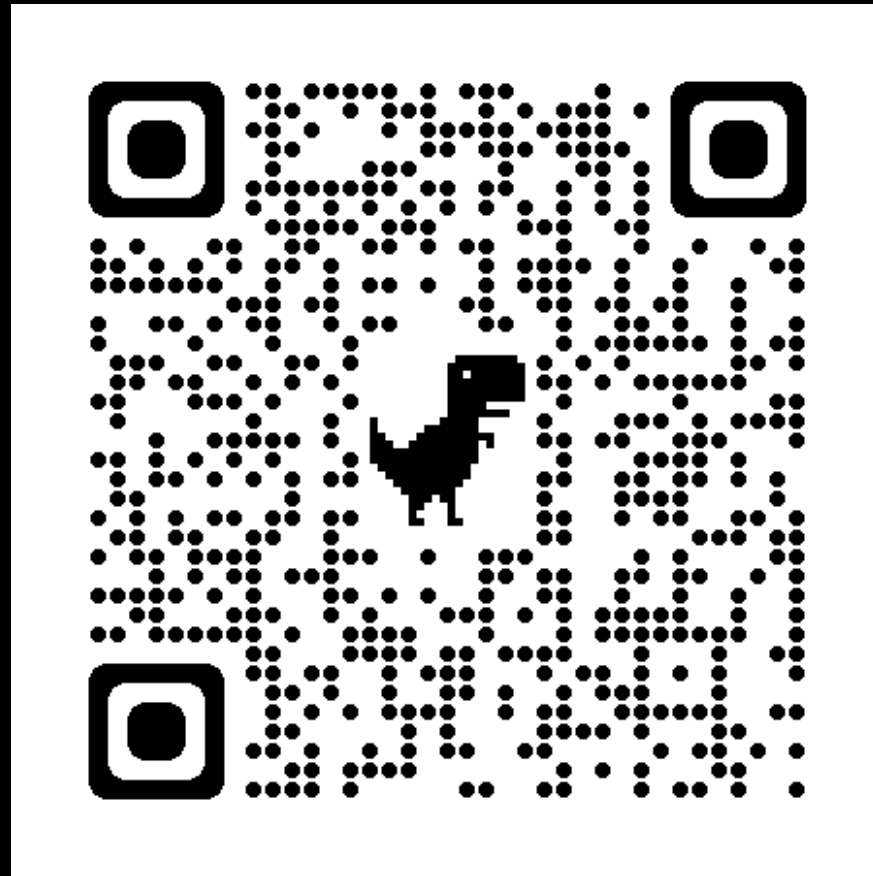
Summary

MEPC79

- **Long-term Projects: Key in the TC Continuum**
- **More focus on technology/infrastructure capacity**
- **Projects are outcome based and performance driven**
- **Significant experience built in managing and governing large funds**
- **Pipeline projects: Significant opportunities to participate and partner**
- **Partnerships are key including private sector**



Partnerships and Projects: Information and Updates





Partnerships for Planet and People

Please join us in this voyage together

Partnerships@imo.org



THANKS TO ALL OUR LONG-TERM GREEN PROJECT DONORS & PARTNERS

Project	Donor (s)
NextGEN / NextGEN Connect	Singapore
IMO CARES (Prep)	Kingdom of Saudi Arabia (KSA)
Maritime Innovation Forum	Norway
GMN/MTCCs	European Union
GHG-SMART	Republic of Korea
GreenVoyage2050	Norway
GloLitter	Norway (Main), Australia, KSA
GloFouling	GEF (Main), KSA
MEPSEAS	Norway
SENSREC	Norway
TEST-Biofouling	Norway
GloNoise (Prep)	GEF
Blue Solutions (Prep)	Germany