

SUPPORTING DECARBONIZATION THROUGH INNOVATIVE PROJECTS AND PARTNERSHIPS

ANTON RHODES - DEPARTMENT OF PARTNERSHIPS AND PROJECTS (DPP)



INTERNATIONAL
MARITIME
ORGANIZATION



IMO: Department of Partnerships and Projects (DPP)



**Develop
Partnerships**



**Mobilize
Resources**

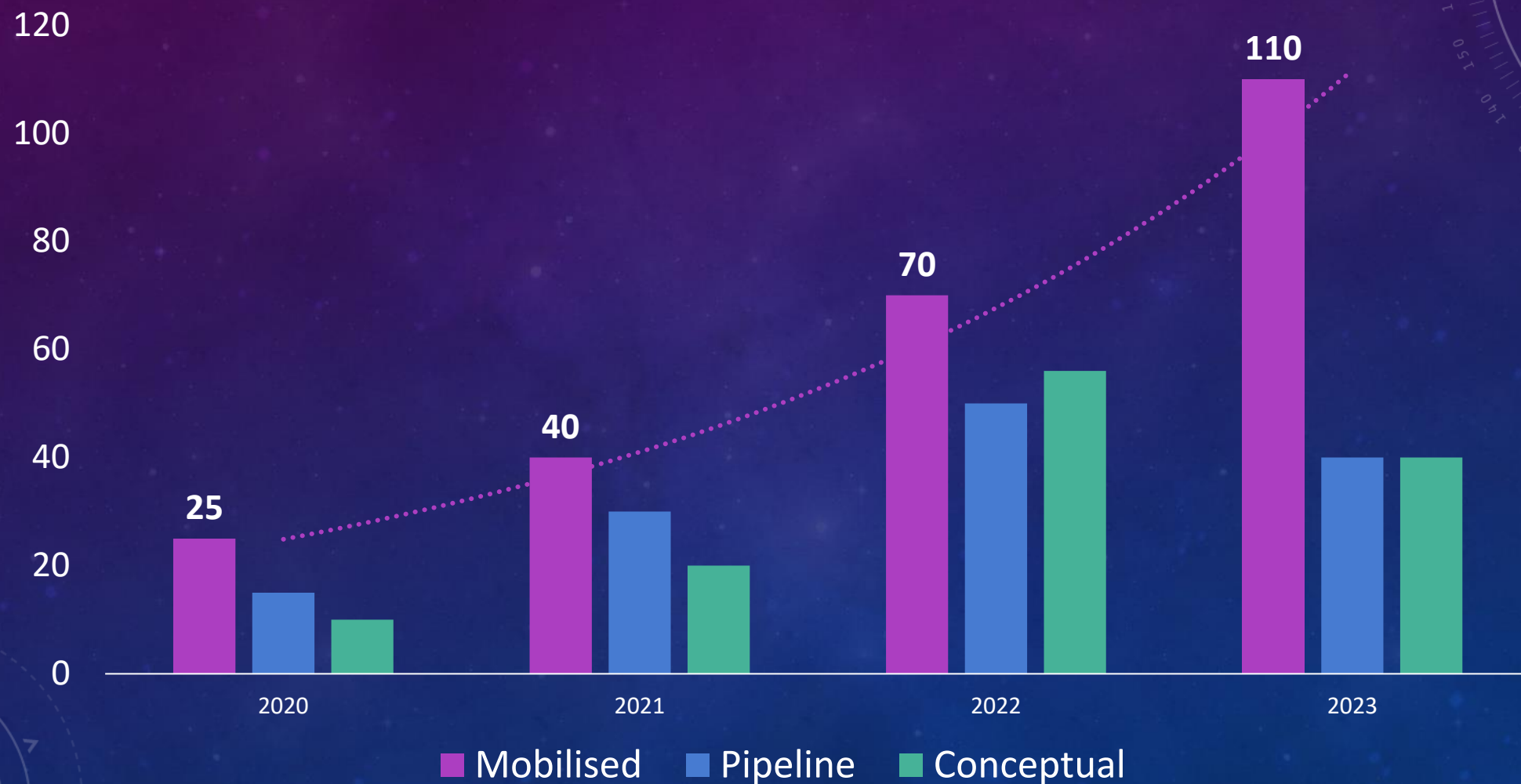


**Implement Long-
term Projects**



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

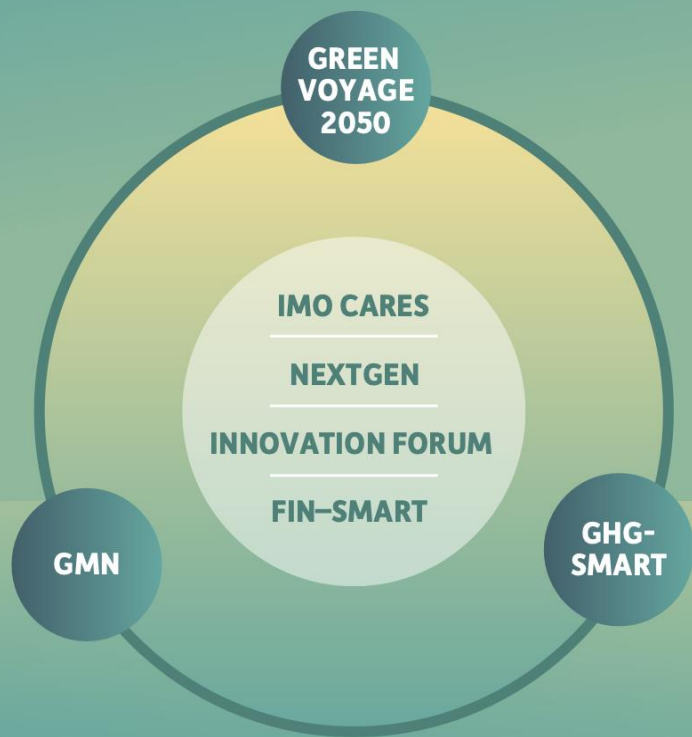
CURRENT IMO PROJECTS PORTFOLIO (CUMULATIVE) & 2023 PREDICTION (US\$ MILLION) : CASH





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GREENHOUSE GAS MAJOR PROJECTS PORTFOLIO



- Country specific focus
- Identifying opportunities for potential pilot projects in developing countries
- Through the GreenVoyage2050 Accelerator, help to develop pilot ideas into bankable proposals (e.g through undertaking of feasibility studies)
- Support developing NAPs/ policies for green shipping
- Develop global tools (Online info portals, studies, training etc.)



- Regional Focus
- Providing practical demonstration of energy efficiency technologies in developing regions
- MTCCs ensuring close engagement with local stakeholders and regional dissemination of results



- SIDS/LDCs Annual Training Programme
- Support Least Developed Countries (LDCs) and Small Island Developing States (SIDS) capacities to implement the IMO GHG Strategy
- Annual Programme, training on IMO regulations, next to specific topics of alternative fuels, ports, NAP development and finance related specific issues;
- Individual training support and assignments, follow-up with all participants, next to a core online training at the beginning of the programme and practical training in person in Korea with site-visits



- Connecting national, regional (MTCCs) and global level needs and solutions
- Showcasing technology solutions and supporting innovation in response to developing region challenges
- Connecting MTCCs to global level solutions



Towards Green and
Efficient Navigation

- "Google of maritime decarbonization projects, initiatives"
- Call/proposals for route based maritime decarbonization action

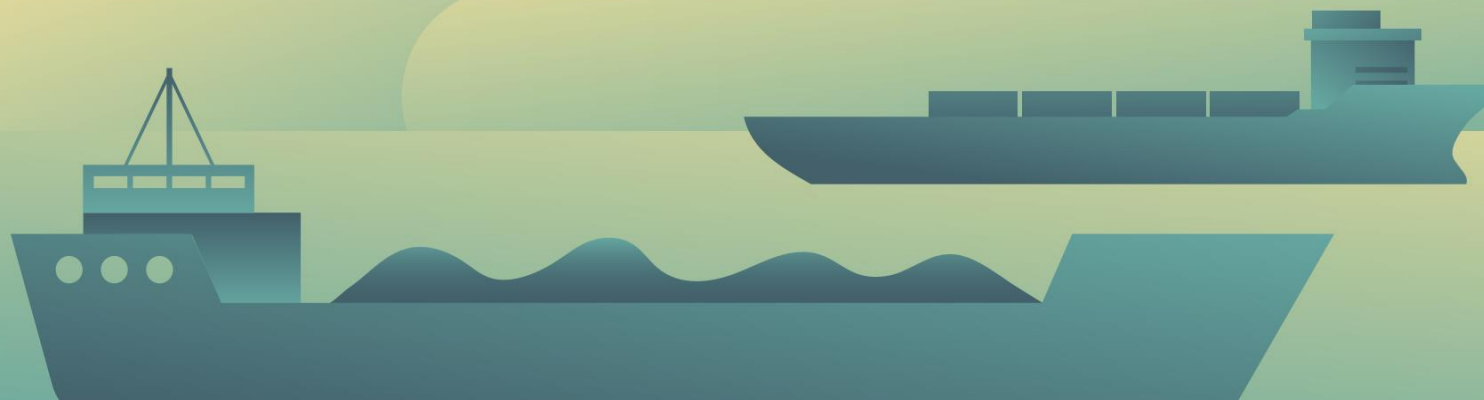


INNOVATION FORUM

- Support innovation and R&D development and deployment, with a focus on developing country needs
- Showcase innovation models that may support further maritime decarbonization/sustainable shipping

FIN-SMART

- Showcase models of successful maritime decarbonization investments
- Support scale-up on IMO major project pilots/enable investment in working pilots
- IMO-World Bank-EBRD FIN-SMART Roundtable of key International Financial Institutions, developing countries participating in current IMO major projects and other interested stakeholder, with aim to propose innovative financial solutions to maritime decarbonization





IMOCARES
COORDINATED ACTIONS FOR THE REDUCTION
OF EMISSIONS FROM SHIPS



**GEOGRAPHIC
FOCUS**

Global



**TOTAL
BUDGET**

1.1 million US\$



DONOR

Kingdom of Saudi Arabia



**IMPLEMENTING
PARTNERS**

IMO



**PROJECT
DURATION**

April 2023 – April 2024



**WEBSITE /
CONTACT**

imocares.imo.org
partnerships@imo.org

THE ISSUE

- Need for acceleration of R&D, tech transfer, demonstration, diffusion and uptake to achieve maritime decarbonization
- Need to ensure inclusiveness, especially for developing countries, SIDS & LDCs

OUR SOLUTION

- Connecting national, regional and global level needs and solutions
- Link MTCCs to global level finance and technology solutions
- Showcasing tech solutions

IMPACT

- ✓ Accelerate low/zero carbon transition of maritime sector in developing countries.
- ✓ Demonstration of scalable solutions thereby creating new technology/alternative fuel markets.
- ✓ Faster implementation of IMO GHG strategy.

Accelerating technology transfer for a voyage together



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الهيئة العامة للنقل

TRANSPORT GENERAL AUTHORITY

نقل للمستقبل TRANSPORT FOR FUTURE



| | | |
|---|------------------------------|--|
|  | GEOGRAPHIC FOCUS | Africa, Asia, Caribbean, Latin America & Pacific |
|  | TOTAL BUDGET | USD\$ 11 MILLION |
|  | DONOR | European Union |
|  | IMPLEMENTING PARTNERS | Host Country Governments: Kenya, China, Trinidad, Fiji & Panama |
|  | PROJECT DURATION | 2016 - 03/2022 |
|  | WEBSITE / CONTACT | gmn.imo.org gmn@imo.org |

Navigating our way towards a greener & sustainable future



THE ISSUE

GHG emissions from maritime transport account for a modest but rapidly growing source of global GHG emissions. To achieve sustained positive change, a collaborative approach is essential. This reinforces shared goals and ensures that planned actions are coordinated, whilst leaving no-one behind.

OUR SOLUTION

The Global Maritime Technology Cooperation Centre Network project (GMN) was established in 2017 to support developing countries, especially Least Developed Countries and Small Island Developing States, to reduce GHG emissions from their respective shipping sectors through technical cooperation, capacity building and promotion of low carbon technologies and operations. The GMN Project further aligns with and bolsters the IMO Initial Strategy for the reduction of GHG emissions.

IMPACT

- ✓ 5 Maritime Technology Cooperation Centres established in Africa, Asia, Caribbean, Latin America and Pacific.
- ✓ Optimized capacity through raising awareness and improving compliance with international regulations on energy efficiency.
- ✓ Enabled participating countries to develop national energy efficiency policies and measures.
- ✓ Facilitated greater uptake of low-carbon technologies and operations through pilot projects, which in turn enabled implementation of energy efficient practices.

GREENVOYAGE2050 IN AFRICA

Kenya: Focus on LPIR

- Support provided on implementation of MARPOL Annex VI into national law
- Cooperation with ITCP for the implementation of wider MARPOL Convention (all other Annexes)
- Kenya committed to developing a National Action Plan (NAP) to address GHG emissions from ships, with a stakeholder roundtable held July 2022
- Lead agency for GreenVoyage2050:



South Africa: Focus on pilots

- Two pilots identified and selected:
 - 'Green' build programme for an Emergency Towing Vessel (ETV)
 - Production of biofuel from farmed algae
- Pilot owners:



TEST Biofouling

Transfer of Environmentally Sound Technologies Biofouling Project



GEOGRAPHIC FOCUS

Lead Partnering Countries: Brazil, Ecuador, Mexico, Peru, Fiji, Indonesia, Philippines, Tonga, Jordan, Sri Lanka, Mauritius, Madagascar.

Partnering Countries: Argentina, Chile, Jamaica, Suriname, Panama, Tuvalu, Malaysia, China, Djibouti, Somalia, Islamic Rep. of Iran, Sudan, Nigeria, Comoros.



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

testbiofouling@imo.org

Reducing biofouling and emissions through technology



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



THE ISSUE

Biofouling is an accumulation of aquatic organisms on wetted or immersed surfaces such as ships and other offshore structures. It is a major vector for the introduction of alien species which can severely alter marine biodiversity and impact the energy efficiency of ships. Building on the achievements of the GEF-UNDP-IMO GloFouling Partnerships, the TEST Biofouling project aims to further support countries in capacity building and showcasing the viability of key technologies through national and regional demonstration pilots.

OUR SOLUTION

The main components of the TEST Biofouling project will include:

- Capacity building and training for implementing the IMO Biofouling Guidelines (for those participating countries who could not benefit from GloFouling trainings to-date).
- Demonstration of technologies showcased in selected ports and shipyards around the world, with regional exchanges on technological solutions and best practices.
- Establishing links with relevant IMO and GloFouling Partnerships initiatives and projects.

IMPACT

- ✓ The main stakeholders in participating LDCs, SIDS and other developing countries are trained to implement the IMO Biofouling Guidelines and confidently use sustainable biofouling management within their maritime sector.
- ✓ Testing novel technologies and new sustainable methods of biofouling management through demonstration projects, to showcase the environmental and energy efficiency benefits that can be achieved.
- ✓ Global and regional networks of biofouling experts are established and operational.

PARTNER WITH IMO

Why maritime?

Maritime and port activities are key to national economic growth. Support for maritime development cooperation activities strengthens diplomatic relations between donors and developing countries. Through **sustainable maritime transport (SMART)** development, new markets are created for technologies and solutions. Energy transition and digitalization are the main drivers.

Why IMO?

IMO is known for its agility, efficiency and convening power. IMO is the **specialized UN agency** responsible for safe, secure, environmentally sound, efficient and sustainable shipping.

IMO is **OECD DAC# registered**, meaning all contributions are reported in the OECD statistics.

IMO partnerships gain visibility and awareness through IMO's **extensive global network** of 175 Member States, three Associate Members, 88 NGOs and 66 IGOs.

Role of IMO:

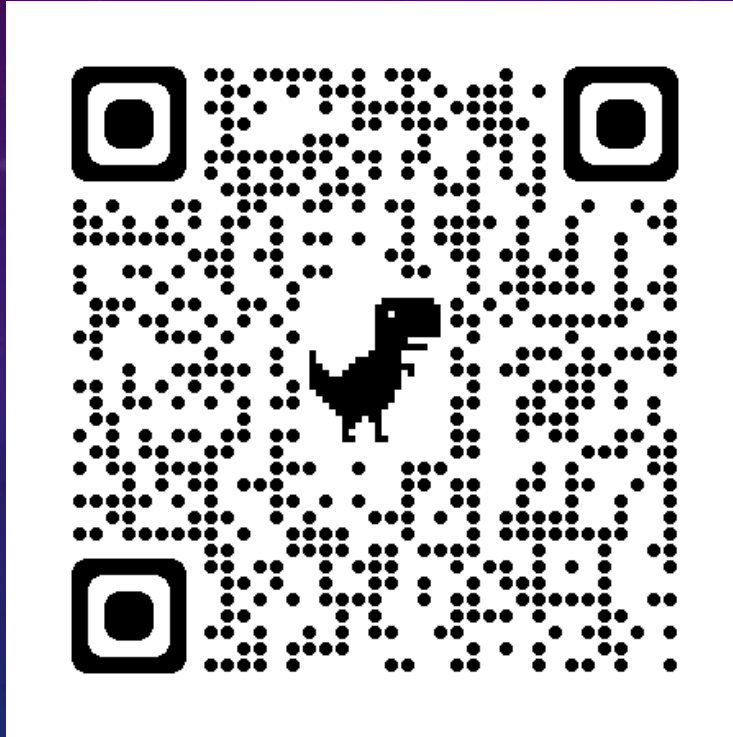


* **NKPO** – National Knowledge Partnership Officer/high-level official to constantly liaise with IMO on parentships and projects

#OECD-DAC - **OECD Development Assistance Committee**. The DAC List of ODA Recipients shows all countries and territories eligible to receive official development assistance (ODA).



Partnerships and Projects: Information and Updates



partnerships@imo.org

Thank you!!