SUPPORTING DECARBONIZATION THROUGH INNOVATIVE PROJECTS AND PARTNERSHIPS

ANTON RHODES - DEPARTMENT OF PARTNERSHIPS AND PROJECTS (DPP)
Develop Partnerships

Mobilize Resources

Implement Long-term Projects

Promote Inclusive Innovation, Tech. & Infrastructure

IMO: Department of Partnerships and Projects (DPP)
CURRENT IMO PROJECTS PORTFOLIO (CUMULATIVE) & 2023 PREDICTION (US$ MILLION) : CASH

- 2020 Mobilised: 25
- 2021 Mobilised: 40
- 2022 Mobilised: 70
- 2023 Predicted: 110

- 2020 Pipeline: 10
- 2021 Pipeline: 20
- 2022 Pipeline: 30
- 2023 Predicted: 40

- 2020 Conceptual: 5
- 2021 Conceptual: 10
- 2022 Conceptual: 20
- 2023 Predicted: 30
GREENHOUSE GAS MAJOR PROJECTS PORTFOLIO

**GREEN VOYAGE 2050**
- Country specific focus
- Identifying opportunities for potential pilot projects in developing countries
- Through the Green Voyage 2050 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.)

**IMO CARES**

**NEXTGEN**

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

**IMOCARES**

**GMN (Global Maritime Network)**

**INNOVATION FORUM**
- “Google of maritime decarbonization projects, initiatives”
- Call/proposals for route-based maritime decarbonization action

**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 stakeholders, with the aim to propose innovative financial solutions to maritime decarbonization

**GMN (Global Maritime Network)**

**NEXTGEN**

**FIN-SMART**

**GREEN VOYAGE 2050**
- 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
Accelerating technology transfer for a voyage together

**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.
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 boosts 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.
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:

KENYA MARITIME AUTHORITY

TRANSPORT

REPUBLIC OF SOUTH AFRICA

SAMS

SOUTH AFRICAN MARITIME SAFETY AUTHORITY

SUSTAINABLE BIOFUELS
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.

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.

- 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:

Recipient
- Identify SMART (sustainable maritime transport) needs
- Ensure ownership and results
  - National Taskforces
  - Milestones-based resource allocation
  - Overseen by high-level officials (NKPOs*)

IMO
- Develop project concepts
  - Based on SMART needs
  - Align with donors' priorities
- Bring together key stakeholders
- Efficient project implementation and management

Donor
- Selection of projects/recipient
- Visibility to
  - 175 Member States and three Associate Members
  - 154 NGOs/IGOs
- Effective use of ODA funds for SMART development

* NKPO – National Knowledge Partnership Officer/high-level official to constantly liaise with IMO on partnerships 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!!