



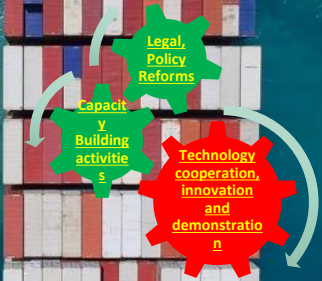
IMO GHG Projects/Initiatives:
Opportunities for
Engagement and Partnerships

Gyorgyi Gurban

**Head of Projects Implementation,
Department of Partnerships & Projects**

IMO

GreenVoyage2050



Global MTCC Network

MTCC CARIBBEAN
University of Trinidad & Tobago

MTCC AFRICA
Jomo Kenyatta University of Agriculture & Technology, Kenya

MTCC ASIA
Shanghai Maritime University, China

MTCC PACIFIC
Pacific Community (SPC), Fiji

MTCC LATIN AMERICA
International Maritime University of Panama, Panama

GMNI The Global MTCC Network
A global network for sharing information and expertise

GloFouling Partnerships

CONTROL AND MANAGEMENT OF SHIPS' BIOFOULING

GloFouling

Blue Solutions

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

Cargo Owner | Hinterland transportation | Loading | Ocean transportation | Unloading | Hinterland transportation | Delivery



INTERNATIONAL MARITIME ORGANIZATION

Promoting Inclusive Innovation Through Demonstration Projects & Knowledge Platforms



GLOBAL INDUSTRY ALLIANCE TO SUPPORT LOW-CARBON SHIPPING



FIN SMART
Financing Sustainable Maritime Transport RoundTable

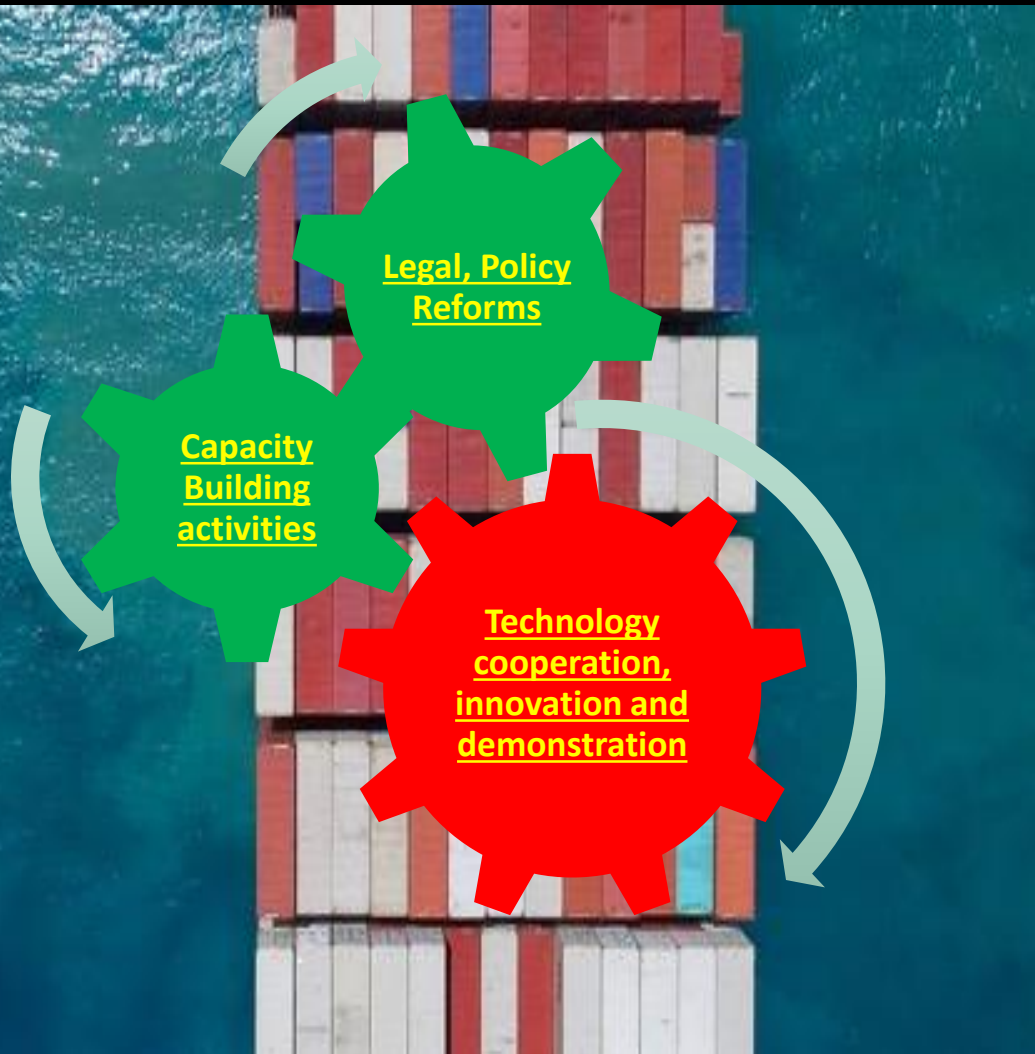
IMO | European Bank | THE WORLD BANK



Innovation Forum

GreenVoyage2050 (Norway funded)

- Implementation of measures in National Ship Emissions Reduction Strategy (NSERS)/National Action Plan
- Demonstrating technical solutions
- Knowledge and information sharing
- Strategic partners from the private sector





Global Industry Alliance **LOW CARBON SHIPPING**

ABB



**BUREAU
VERITAS**




GRIMALDI GROUP



SILVERSTREAM
TECHNOLOGIES



Global Industry Alliance for Low Carbon Shipping

Brings together maritime industry leaders to support an energy efficient and low carbon maritime transport system

Three workstreams:



Energy efficiency technologies (EETS) and operational best practices



Alternative low- and zero-carbon fuels



Addressing emissions at the ship-port interface

GMN Project (EU funded)



- Established Regional Centers of Excellence to support uptake of low-carbon technologies and operations
- MTCCs - specifically mentioned in the IMO Initial GHG Strategy.
- Range of pilot projects, such as port energy audits and retrofitting of domestic ships for better energy efficiency.

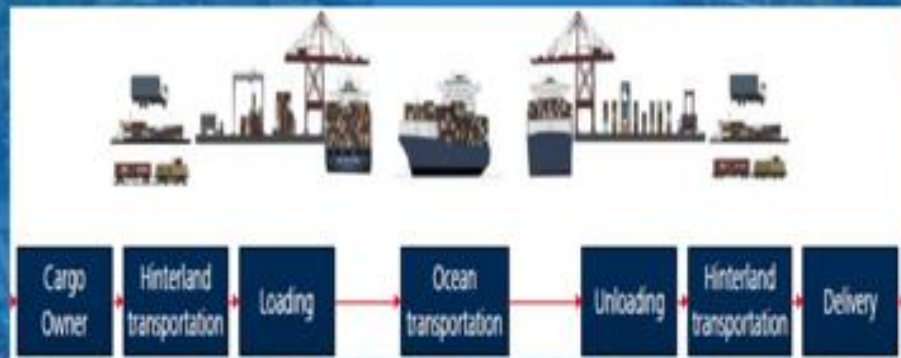
GHG SMART Project (Republic of Korea funded)



- Sustainable Maritime Transport Training Programme to support the Implementation of the GHG Strategy (GHG Smart Programme)
- Builds tailor-made capacity among the LDCs and SIDS (first training to take place end of 2021 virtually).

Blue Solutions Project (Germany funded)

Address emissions from maritime sector - focus on ports, ships and hinterland transport in ASEAN region.



- establish emission baseline
- develop national roadmaps
- demonstrate potential solutions for energy efficiency improvements and optimized processes.

GloFouling Partnerships (GEF funded)

- Promotes implementation of IMO's Biofouling Guidelines and the use of best practices
- Focus on marine biodiversity (prevent invasive aquatic species)
- Biofouling management role in the overall reduction of GHG emissions
- Private sector, Demonstration sites and promotion of R&D



Ocean renewable energy



Aquaculture



Technology developers



Offshore oil & gas



Seabed mining



Shipping



Fishing



Recreational boating



Ports and Marinas





GloFouling
PARTNERSHIPS

Global Industry Alliance

Global Industry Alliance for Marine Biosafety

- A cross-sectoral platform for all maritime industries
- Brings together private sector leaders to facilitate solutions for biofouling prevention and management
- Study to quantify fuel consumption savings resulting from biofouling management

Current members:



Hapag-Lloyd



AkzoNobel



CLEAN SUBSEA



SONIHULL
ULTRASONIC ANTI-FOULING SYSTEM

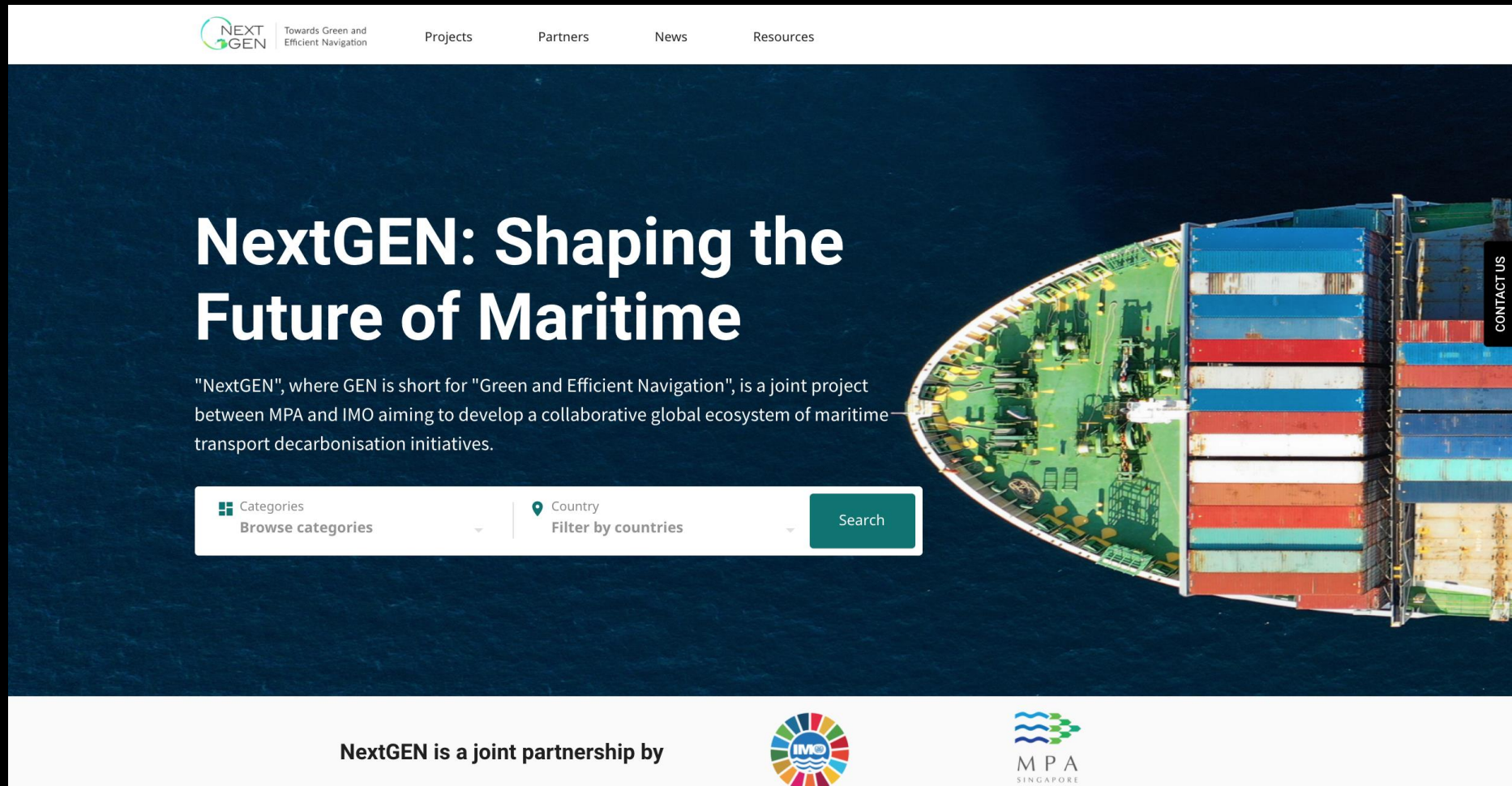


FINSMART (IMO, WB, EBRD)



- Roundtable for Financial Institutions to focus on sustainable maritime transport and innovations
- Identify barriers and needs for financing in developing countries
- Jointly identify and develop innovative financial solutions

NEXTGEN (Singapore Partnered)



NextGEN: Shaping the Future of Maritime

"NextGEN", where GEN is short for "Green and Efficient Navigation", is a joint project between MPA and IMO aiming to develop a collaborative global ecosystem of maritime transport decarbonisation initiatives.

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NextGEN is a joint partnership by

IMO

MPA
SINGAPORE

Innovation Forum (Norway funded)

Promote inclusive innovation by bringing together



Zero/Low Emission Innovation Forum

- Key maritime stakeholders across the maritime value chain
- Maritime-Environment-Climate Change Ministries, key ocean stakeholders
- Regions, developed-developing countries/LDCs, SIDS
- R&D Centers, innovators, Academia, Financial Institutions

GreenVoyage2050



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Thank You! We are open for partnerships



<https://www.imo.org/en/OurWork/PartnershipsProjects/Pages/default.aspx>



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