



IMOCARES

COORDINATED ACTIONS FOR THE REDUCTION
OF EMISSIONS FROM SHIPS

Bringing stakeholders together

IMO CARES/MTCC LA workshop – 9 February 2023

Petra Ahari



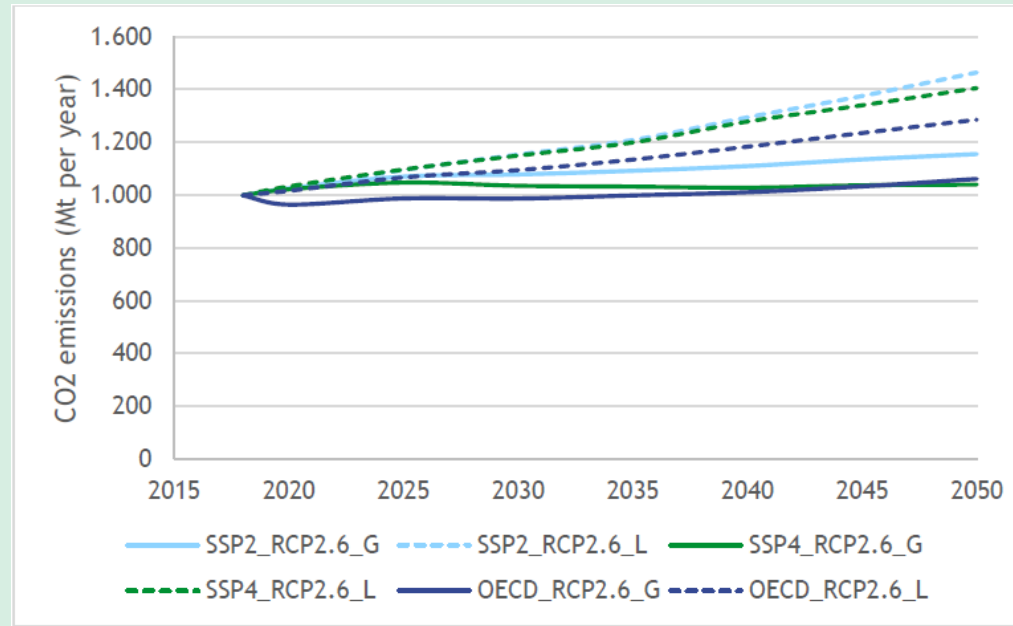
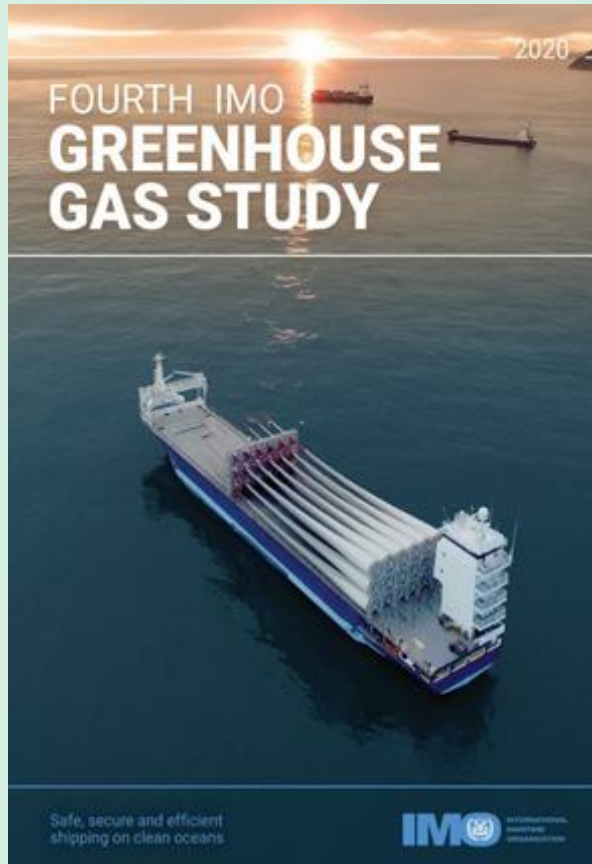
INTERNATIONAL
MARITIME
ORGANIZATION

الهيئة العامة للنقل
TRANSPORT GENERAL AUTHORITY



TRANSPORT FOR FUTURE نقل للمستقبل

Context: shipping & GHG emissions

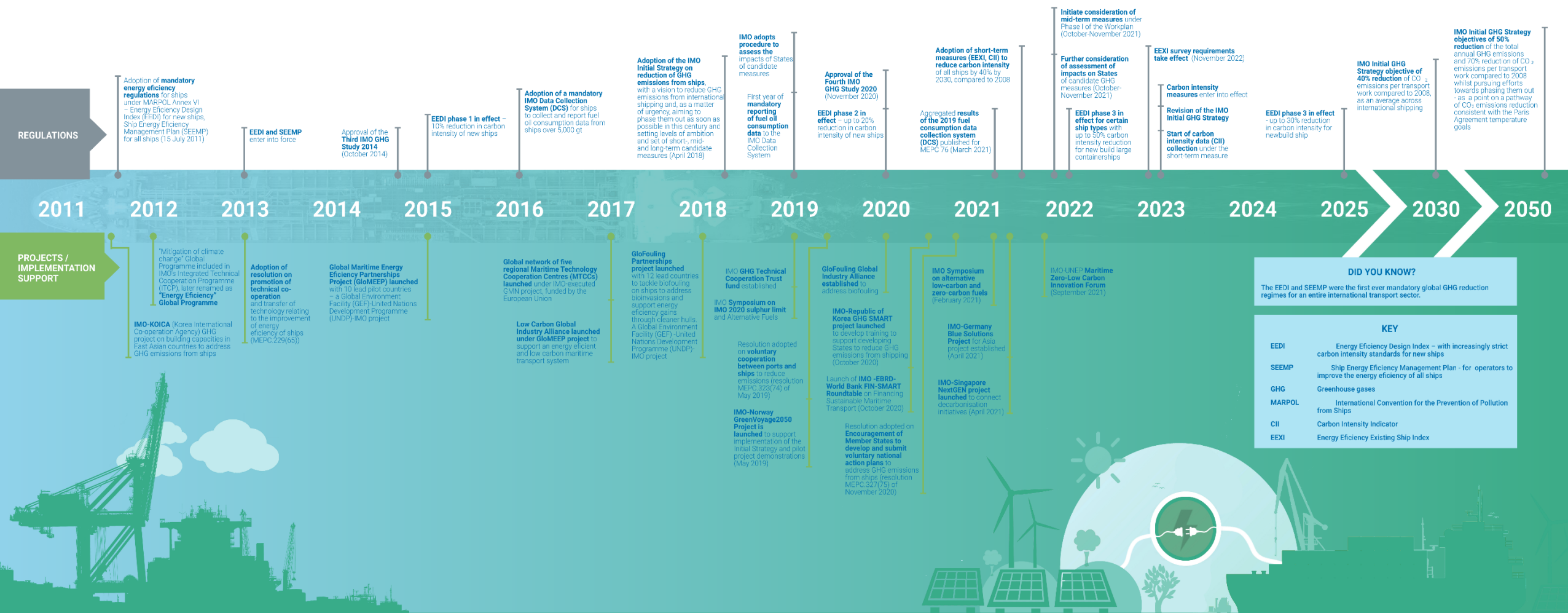


- The share of shipping emissions in global anthropogenic emissions has increased from 2.76% in 2012 to 2.89% in 2018
- Demand is the key driver for growth in emissions
- **Emission projections:** under Business-as-usual scenarios, 2050 emissions from shipping are expected to **represent between 90% and 130% of 2008 emissions**



Addressing climate change

A decade of action to cut GHG emissions from shipping



DID YOU KNOW?

The EEDI and SEEMP were the first ever mandatory global GHG reduction regimes for an entire international transport sector.

KEY

EEDI	Energy Efficiency Design Index – with increasingly strict carbon intensity standards for new ships
SEEMP	Ship Energy Efficiency Management Plan - for operators to improve the energy efficiency of all ships
GHG	Greenhouse gases
MARPOL	International Convention for the Prevention of Pollution from Ships
CII	Carbon Intensity Indicator
EEXI	Energy Efficiency Existing Ship Index

Department of Partnerships and Projects

Promoting inclusive innovation through demonstration projects & knowledge platforms

www.imo.org



ZERO AND LOW-EMISSION INNOVATION FORUM

Championing innovation for maritime decarbonization

THE ISSUE: The shipping industry is responsible for approximately 2.5% of global CO2 emissions. To meet the Paris Agreement goals, the industry must decarbonize by 2050. This requires significant technological innovation and investment.

OUR SOLUTION: The industry is working on various technologies such as alternative fuels (LNG, ammonia, hydrogen, methanol), battery-powered vessels, and wind-assisted propulsion. The industry is also investing in research and development to accelerate the development of these technologies.

IMPACT: The industry is making significant progress in decarbonization. The use of alternative fuels is increasing, and the industry is investing in research and development to accelerate the development of these technologies. This will help the industry meet the Paris Agreement goals and reduce its carbon footprint.



GREEN VOYAGE 2050

Supporting shipping's transition towards a low carbon future

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GMN | The Global MTCC Network

Navigating our way towards a greener & sustainable future

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NEXT GEN | Towards Green and Efficient Navigation

Towards green and efficient navigation

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GHG SMART

Supporting SIDS and LDCs to implement the IMO GHG Strategy

THE ISSUE: Small Island Developing States (SIDS) and Least Developed Countries (LDCs) are particularly vulnerable to the impacts of climate change. They need support to implement the IMO GHG Strategy and reduce their carbon footprint.

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GloFouling PARTNERSHIPS

Preventing the spread of invasive aquatic species

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MO CARES

Accelerating technology transfer for a voyage together

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FIN-SMART

Financing maritime decarbonization in developing countries, LDCs and SIDS

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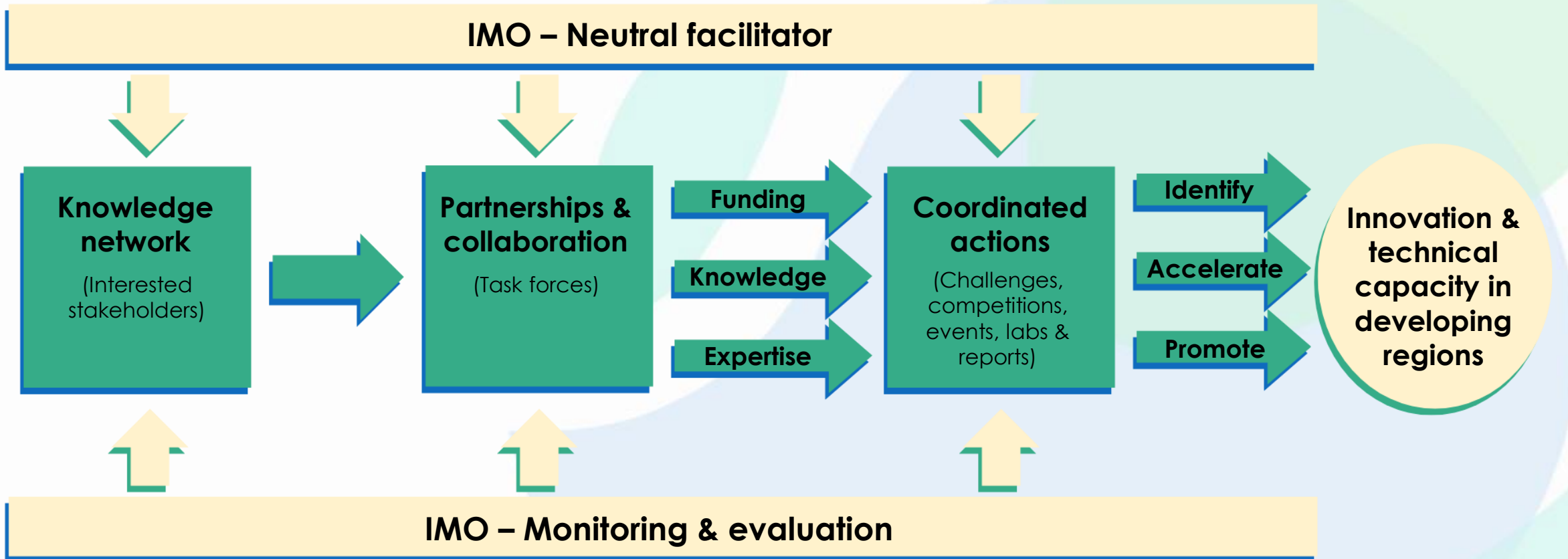


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Bringing maritime GHG reduction stakeholders together

IMO Cares framework for cooperation



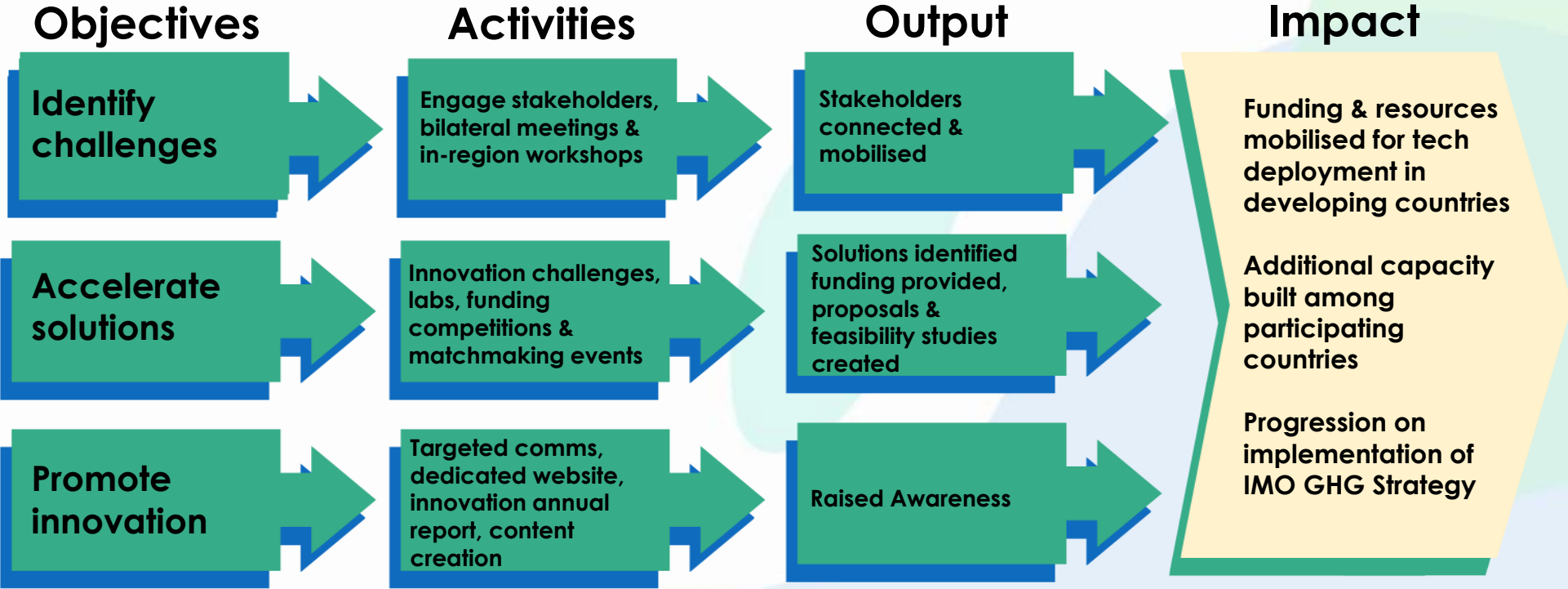
TECHNOLOGY AND INNOVATION REPORT 2021

Catching technological waves
Innovation with equity

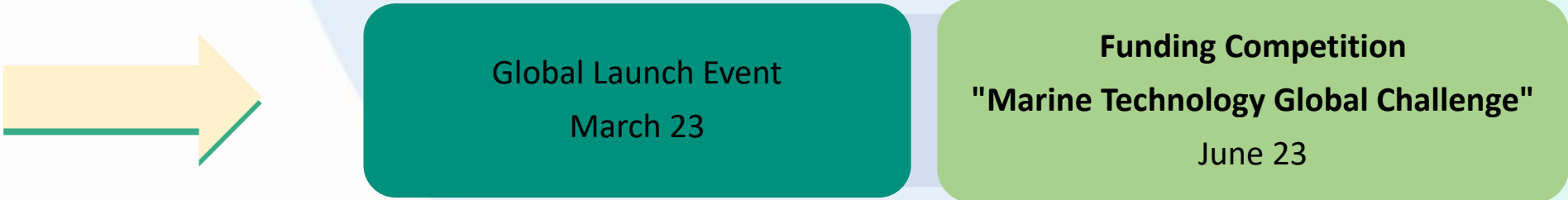


- Funding competitions
- Matchmaking events
- Investor forum
- Hackathons
- Innovation reports

Intervention logic



Next Steps





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