Addressing climate change

A decade of action to cut GHG emissions from shipping

INTERNATIONAL MARITIME ORGANIZATION

energy efficiency regulations for ships under MARPOL Annex VI – Energy Efficiency Design Index (EEDI) for new ships,

Ship Energy Efficiency Management Plan (SEEMP) for all ships (15 July 2011)

EEDI and **SEEMP** enter into force

Approval of the **Third IMO GHG**

(October 2014)

EEDI phase 1 in effect -10% reduction in carbon intensity of new ships

Adoption of a mandatory IMO Data Collection System (DCS) for ships to collect and report fuel ships over 5,000 gt

Initial Strategy on reduction of GHG with a vision to reduce GH

emissions from internationa shipping and, as a matter of urgency, aiming to phase them out as soon as possible in this century and setting levels of ambition and set of short-, midand long-term candidate measures (April 2018)

procedure to impacts of State of candidate measures

> First year of of fuel oil **IMO** Data Collection System

Adoption of short-term measures (EEXI, CII) to reduce carbon intensity of all ships by 40% by 2030, compared to 2008 GHG Study 2020

Aggregated results of the 2019 fuel

Initiate consideration of mid-term measures under Phase I of the Workplan (October-November 2021

of assessment of impacts on States of candidate GHG measures (October November 2021)

EEDI phase 3 in effect for certain **ship types** with up to 50% carbon intensity reduction for new build large containerships

EEXI survey requirements take effect (November 2022)

T Carbon intensity measures enter into effect

Revision of the IMO

short-term measure

Initial GHG Strategy Start of carbon

IMO Initial GHG Strategy objective of 40% reduction of CO₂ emissions per transport work compared to 200 as an average across international shipping

EEDI phase 3 in effect - up to 30% reduction in carbon intensity for

annual GHG emissions and 70% reduction of CO emissions per transport

work compared to 2008 whilst pursuing efforts towards phasing them out consistent with the Paris

IMO Initial GHG Strategy

2011

REGULATIONS

2015

2018

2019

2020

2021

2022

2023

2024

2025

2050

PROJECTS / **IMPLEMENTATION** SUPPORT

change" Global Programme included in IMO's Integrated Technical Cooperation Programme (ITCP), later renamed as "Energy Efficiency" Global Programme

"Mitigation of climate

IMO-KOICA (Korea International Co-operation Agency) GHG project on building capacities in East Asian countries to address GHG emissions from ships

technical cooperation

and transfer of technology relating to the improvement of energy efficiency of ships (MEPC.229(65)

Global Maritime Energy Efficiency Partnerships
Project (GloMEEP) launched

with 10 lead pilot countries a Global Environment Facility (GEF)-United Nations Development Programme (UNDP)-IMO project

Global network of five regional Maritime Technology Cooperation Centres (MTCCs) launched under IMO-executed GMN project, funded by the European Union

> **Low Carbon Global** Industry Alliance launched under GloMEEP project to support an energy efficient and low carbon maritime transport system

GloFouling Partnerships

project launched with 12 lead countrie to tackle biofouling on ships to address bioinvasions and support energy efficiency gains through cleaner hulls A Global Environment Facility (GEF) -United Nations Development Programme (UNDP)-IMO project

IMO GHG Technical Cooperation Trust **fund** established

IMO Symposium on IMO 2020 sulphur limit and Alternative Fuels

> Resolution adopted on **voluntary** between ports and **ships** to reduce emissions (resolution MEPC.323(74) of May 2019)

IMO-Norway GreenVoyage2050 launched to support implementation of the

Initial Strategy and pilot project demonstrations (May 2019)

GloFouling Global Industry Alliance address biofouling

Approval of the

(November 2020)

EEDI phase 2 in effect – up to 20%

reduction in carbon

intensity of new ships

IMO-Republic of Korea GHG SMART project launched to develop training to support developing States to reduce GHG

emissions from shipping

(October 2020) Launch of IMO -EBRD-**World Bank FIN-SMART** Sustainable Maritime Transport (October 2020)

> Resolution adopted on **Encouragement of Member States to** develop and submit voluntary national action plans to address GHG emissions from ships (resolution MEPC.327(75) of November 2020)

IMO Symposium on alternative low-carbon and zero-carbon fuels

(February 2021)

IMO-Germany Blue Solutions Project for Asia project established

decarbonisation

(April 2021)

IMO-Singapore NextGEN project launched to connect initiatives (April 2021)

IMO-UNEP Maritime **Zero-Low Carbon Innovation Forum**

(September 2021)

KEY

DID YOU KNOW?

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

Energy Efficiency Design Index – with increasingly strict carbon intensity standards for new ships

Ship Energy Efficiency Management Plan - for operators to

improve the energy efficiency of all ships

Greenhouse gases International Convention for the Prevention of Pollution from Ships

CII Carbon Intensity Indicator

Energy Efficiency Existing Ship Index





