Regional Roundtable on Improving the Availability of Maritime Transport Costs Data in the Pacific – Suva, 15 February 2023

Assessments of impacts on States from IMO GHG reduction measures

Ms. Aideé Saucedo Dávila
IMO Secretariat

The International Maritime Organization (IMO)

UN Specialized Agency mandated to set a **global regulatory framework** to ensure safe, secure and efficient shipping on cleaner oceans

IMO Convention was adopted in 1948. IMO headquarters in London

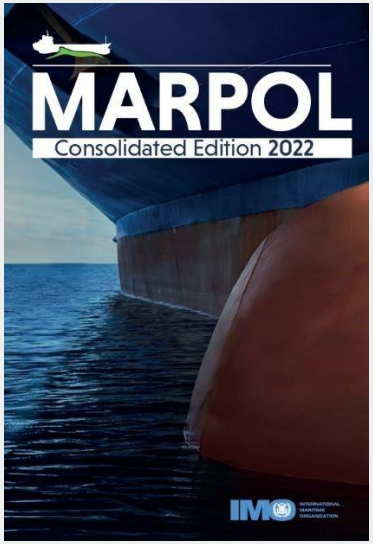
IMO has developed more than 50 international instruments, such as SOLAS and MARPOL and over 1,000 guidelines and recommendations

In 2023: 175 Member States, 3 associated members, 143 observer organizations (IGOs and NGOs),

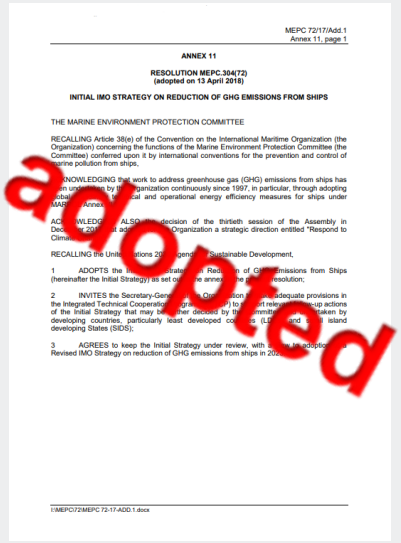
IMO regulates >50,000 ships trading worldwide

Safe, secure and efficient shipping on cleaner oceans

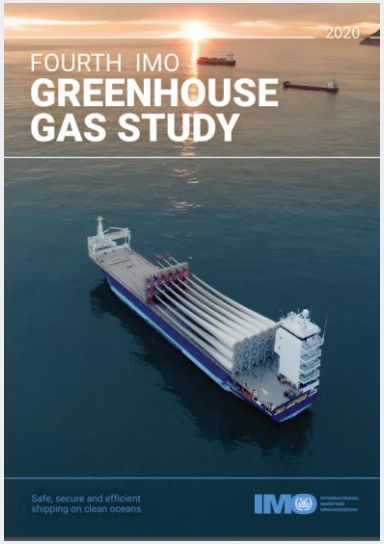
PREVENTING POLLUTION FROM SHIPS



MARPOL
Annex VI



Initial IMO GHG
Strategy



Fourth IMO GHG
Study

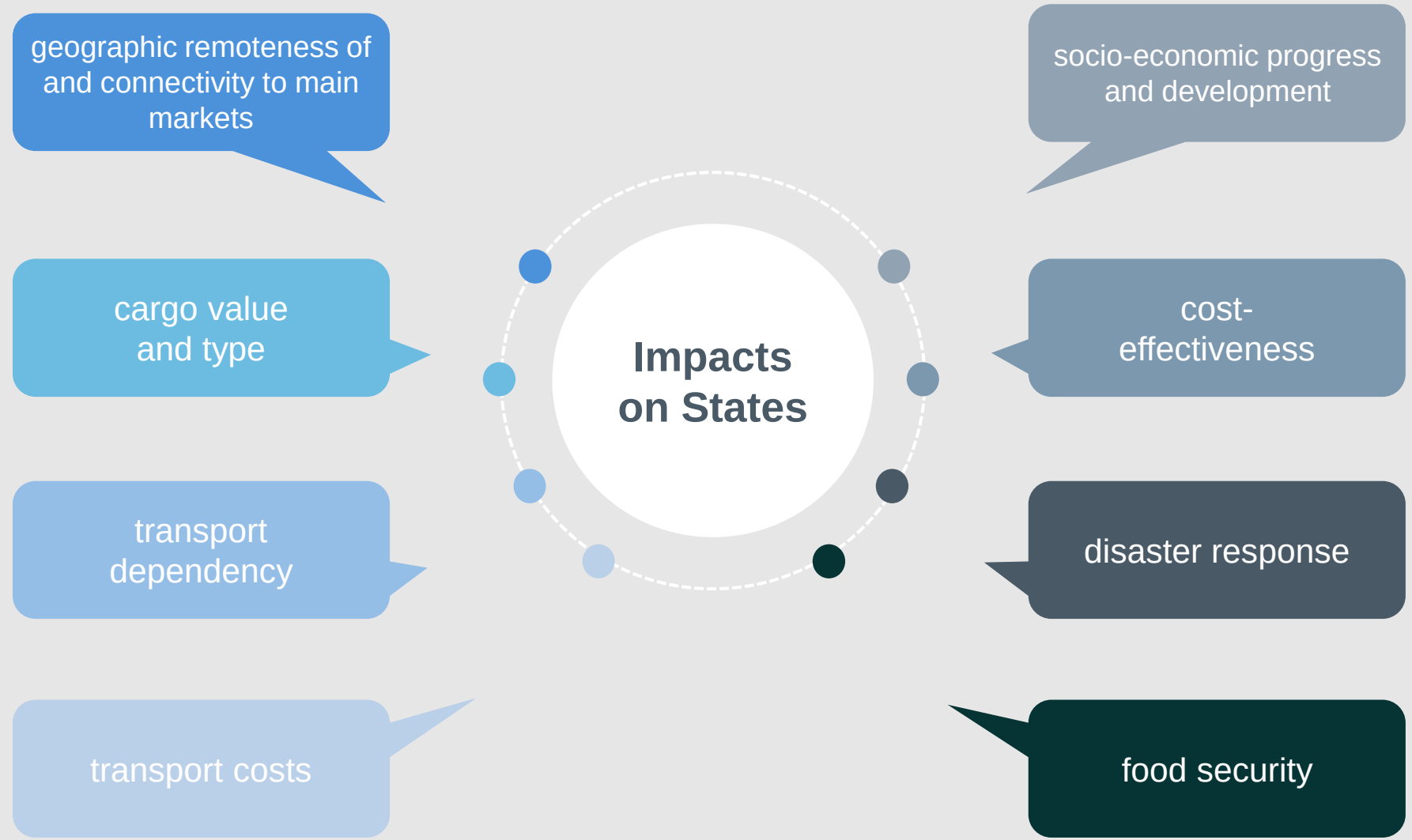
IMPACTS ON STATES

ANNEX

INITIAL IMO STRATEGY ON REDUCTION OF GHG EMISSIONS FROM SHIPS

Contents

> **"Particular attention should be paid to the needs of developing countries, especially small island developing States (SIDS) and least developed countries (LDCs)"**



4.13 Disproportionately negative impacts should be assessed and addressed, as appropriate.

Relevant submissions from the Pacific region

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INTERNATIONAL MARITIME ORGANIZATION

INTERSESSIONAL MEETING OF THE WORKING GROUP ON REDUCTION OF GHG EMISSIONS FROM SHIPS
5th session
Agenda item 2

ISWG-GHG 5/2/4
22 March 2019
ENGLISH ONLY

CONSIDERATION OF CONCRETE PROPOSALS FOR ASSESSING THE IMPACTS ON STATES

A proposal for an impact assessment procedure

Submitted by Argentina, Chile, France, Germany, Italy, Kiribati, Marshall Islands, Mexico, Netherlands, Peru, Spain, Tuvalu and Uruguay

E

INTERNATIONAL MARITIME ORGANIZATION

INTERSESSIONAL MEETING OF THE WORKING GROUP ON REDUCTION OF GHG EMISSIONS FROM SHIPS
7th session
Agenda item 2

ISWG-GHG 7/2/11
7 February 2020
ENGLISH ONLY

FURTHER CONSIDERATION OF CONCRETE PROPOSALS TO IMPROVE THE OPERATIONAL ENERGY EFFICIENCY OF EXISTING SHIPS, WITH A VIEW TO DEVELOPING DRAFT AMENDMENTS TO CHAPTER 4 OF MARPOL ANNEX VI AND ASSOCIATED GUIDELINES, AS APPROPRIATE

A proposal to addressing impact assessment uncertainties when considering proposed measures to reduce GHG emissions from ships

Submitted by Solomon Islands and Tonga

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INTERNATIONAL MARITIME ORGANIZATION

INTERSESSIONAL MEETING OF THE WORKING GROUP ON REDUCTION OF GHG EMISSIONS FROM SHIPS
11th session
Agenda item 4

ISWG-GHG 11/4/1
28 January 2022
ENGLISH ONLY
Pre-session public release: ☒

LESSONS-LEARNED EXERCISE OF THE COMPREHENSIVE IMPACT ASSESSMENT OF THE SHORT-TERM MEASURE

Impacts on States where baseline data is lacking

Submitted by Solomon Islands and Vanuatu

E

INTERNATIONAL MARITIME ORGANIZATION

MARINE ENVIRONMENT PROTECTION COMMITTEE
76th session
Agenda item 7

MEPC 76/7/62
28 April 2021
Original: ENGLISH
Pre-session public release: ☒

REDUCTION OF GHG EMISSIONS FROM SHIPS

Comprehensive impact assessment of the short-term measure approved by MEPC 75

Submitted by Solomon Islands

DEDICATED PROCEDURE

2019	MEPC.1/Circ.885
2021	Comprehensive impact assessment of the short-term measure
2021	Lessons-learned exercise
2022	Expert Workshop on impact assessments
2022	Project to improve the availability of maritime transport costs data in the Pacific region
2022	MEPC.1/Circ.885/Rev.1

IMO short-term GHG reduction measure was adopted in June 2021

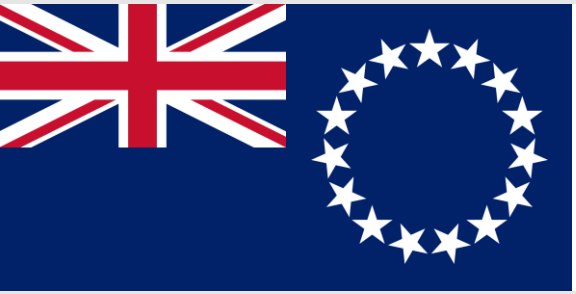
Combines
a **technical** (EEXI)
and an
operational (CII)
approach

Entered into-force
in **November 2022** To
be reviewed by 2026

Comprehensive impact assessment of the short-term measure

1. Literature review (WMU)
2. Assessment of the impact of the measure on the fleet (DNV)
3. Assessment of the impact of the measure on States (UNCTAD)
4. Stakeholder analysis (Starcrest)
5. Identification of areas of missing data (Starcrest)
6. COVID-19 considerations (Secretariat) and
7. Disproportionately negative impacts (Secretariat/Steering Committee)

Comprehensive impact assessment of the short-term measure



Stakeholder Analysis by Starcrest Consulting

- 1 of the SHAs would accumulate port arrival delays of <1 day if ships slowed to the associated route SR 10% speed, with a commodity cost increase of 0.01%.
- 2 of the SHAs would accumulate port arrival delays ranging from 1 to 4 days if ships slowed to the associated route SR 20% speed, with a commodity
from 0.05-0.44%.
- 8 of the SHAs would accumulate port arrival delays of ranging
ships slowed to the associated route SR 30% speed, with a com
ranging from 0.02-2.90%.
- All SHAs would accumulate port arrival delays of ranging from
slowed to the associated route SR 50% speed, with a commodity
from 0.84-28.48%.

Figure 10: Results from 9 SHAs of the Average Speed scenario s
essential goods to the Cook Islands

- 3 of the SHAs would accumulate port arrival delays of ranging from 1 to 7 days if ships slowed to the associated route SR 10% speed, with a commodity cost increase ranging from 0.00-1.26%.
- All of the SHAs would accumulate port arrival delays of ranging from 2 to 13 days if ships slowed to the associated route SR 20% speed, with a commodity cost increase ranging from 0.00-4.55%.
- All SHAs would accumulate port arrival delays of ranging from 3 to 21 days if ships slowed to the associated route SR 30% speed, with a commodity cost increase ranging from 0.00-11.76%.
- All SHAs would accumulate port arrival delays of ranging from 6 to 46 days if ships slowed to the associated route SR 50% speed, with a commodity cost increase ranging from 1.84-56.58%.

Figure 11: Results from 9 SHAs of the High Speed scenario sensitivity analysis for essential goods to the Cook Islands

Revised MEPC Circular 885

NEW Appendix with the structure of a comprehensive impact assessment and overall coordination of the work

Task 1 Literature review

Task 2 Assessment of impacts of the measure on the fleet

Task 3 Assessment of impacts of the measure on States

Task 4 Complementary quali/quanti stakeholders' analysis

Task 5 Identification of areas of missing data, QA/QC, uncertainty and sensitivity analyses and integration between tasks


Thank you for your attention

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