2nd Regional Workshop
MTCC-Caribbean 01 July 2019

The Global MTCC Network (GMN) project is funded by the European Union and implemented by IMO.
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adopted
Adoption of the Initial IMO Strategy on Reduction of GHG emissions from ships
Adoption of the Initial IMO Strategy on Reduction of GHG emissions from ships

The shipping sector is finally on board in the fight against climate change

U.N. shipping agency reaches deal to cut CO2 emissions

Shipping regulators reach deal to cut carbon emissions for the first time, maritime shipping has a climate target

The shipping industry is finally going to cut its climate change emissions. That’s a big deal.

Carbon dioxide from ships at sea to be regulated for first time

Carbon emissions from global shipping to be halved by 2050, says IMO

Nations strike historic deal to curb shipping emissions
# Programme of follow-up actions of the Initial Strategy up to 2023

**Streams of activity**

<table>
<thead>
<tr>
<th>Candidate short-term measures (Group A) that can be considered and addressed under existing IMO instruments²</th>
<th>2018 MEPC 73</th>
<th>2019 MEPC 74</th>
<th>2020 MEPC 75</th>
<th>2021 MEPC 77</th>
<th>2022 MEPC 78</th>
<th>2023 MEPC 80</th>
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<tbody>
<tr>
<td>Invite concrete proposals</td>
<td>Consideration of proposals</td>
<td>Consideration and decisions on candidate short-term measures that can be considered and addressed under existing IMO instruments e.g. further improvement of the existing energy efficiency framework with a focus on EEDI and SEEMP, ITCP³</td>
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<td>Candidate short-term measures (Group B) that are not work in progress and are subject to data analysis</td>
<td>Invite concrete proposals</td>
<td>Consideration of proposals</td>
<td>Consideration and decisions on candidate short-term measures that are not work in progress and are subject to data analysis, consistent with the Roadmap³</td>
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<tr>
<td>Candidate short-term measures (Group C) that are not work in progress and are not subject to data analysis</td>
<td>Invite concrete proposals</td>
<td>Consideration of proposals</td>
<td>Consideration and decisions on candidate short-term measures that are not work in progress and are not subject to data analysis e.g. National Action Plans guidelines, lifecycle GHG/carbon intensity guidelines for fuels, research and development⁶</td>
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<tr>
<td>Candidate mid-/long-term measures and action to address the identified barriers</td>
<td>Invite concrete proposals including identification of barriers and action to address</td>
<td>Progress made and timelines agreed on the development of mid- and long-term measures</td>
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**Impacts on States⁴**

- Invite concrete proposals
- Finalization of procedure
- Measure-specific impact assessment, as appropriate, consistent with the Initial Strategy, in particular paragraphs 4.10 to 4.13

**Fourth IMO GHG Study**

- Scope
- Initiation of the Study
- Progress report
- Final report

**Capacity-building, technical cooperation, research and development**

- Development and implementation of actions including support for assessment of impacts and support for implementation of measures

**Follow-up actions towards the development of the revised Strategy**

- Ship fuel oil consumption data collection pursuant to regulation 22A of MARPOL Annex VI (DCS)
- Initiation of revision of the Initial Strategy taking into account IMO DCS data and other relevant information
- Adoption of revised Strategy

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² Includes ongoing work pursuant to regulation 21.6 of MARPOL Annex VI.
³ In aiming for early action, the timeline for short-term measures should prioritize potential early measures that the Organization could develop, while recognizing those already adopted, including MARPOL Annex VI requirements relevant for climate change, with a view to achieve further reduction of GHG emissions from international shipping before 2023⁴ (paragraph 4.2 of the Initial Strategy).
⁴ Assessment of impacts on States to be undertaken in accordance with the procedure to be developed by the Organization.
Outcomes of MEPC 74 related to GMN
Outcome of MEPC 74 on GHG matters

- MEPC 74 established the "GHG TC Trust Fund"
- a voluntary multi-donor trust fund to provide a dedicated source of financial support to sustain the Organization's technical cooperation and capacity-building activities to support the implementation of the Initial IMO Strategy on Reduction of GHG emissions from ships
Outcome of MEPC 74 on GHG matters

- During MEPC 74, a new major international project to support the Initial Strategy has been launched: **GreenVoyage-2050**
- the project will initiate and promote global efforts to **demonstrate and test technical solutions for reducing GHG emissions**, as well as **enhancing knowledge and information sharing to support the Initial Strategy**.
- collaboration between IMO and the Government of Norway and will run for an initial two-year period.
- More than 50 countries in 14 sub-regions across the globe are expected to participate in the Project, including strategic partners from the private sector, who will contribute expertise and experience.
Outcome of MEPC 74 on GHG matters

- MEPC 74 adopted resolution MEPC.323(74) on *Invitation to Member States to encourage voluntary cooperation between the port and shipping sectors to contribute to reducing GHG emissions from ships*

- This resolution encourages the port sector to engage in the efforts to reduce GHG emissions from ships. It identifies in particular four possible areas of interest:
  - development of Onshore Power Supply facilities (preferably from renewable sources);
  - provision of safe bunkering of alternative low-carbon and zero-carbon fuels;
  - promotion of port incentives schemes; and
  - optimization of port calls, including facilitation of Just-in-Time arrival of ships.
The IMO – EU Global MTCC Network Project (GMN)
AN ESTABLISHED GLOBAL NETWORK TO SUPPORT IMO's INITIAL GHG STRATEGY THROUGH CAPACITY BUILDING AND TECHNOLOGY TRANSFER IN DEVELOPING REGIONS

MTCC-CARIBBEAN

MTCC-AFRICA

MTCC-ASIA

MTCC-LATIN AMERICA

MTCC-PACIFIC

Project funded by the EUROPEAN UNION

INTERNATIONAL MARITIME ORGANIZATION
What has been achieved so far?
MTCCs regional and global outreach

50 Workshops
- International: 8
- National: 22
- Regional: 11
- Sub-regional: 9

58 Stakeholders
- Shipping Lines: 19
- Port Authorities: 58
- Private Ports: 2

1179 Participating Vessels
- Bulk Carriers: 64
- Cargo Vessels: 90
- Passenger Vessels: 90
- Container Vessels: 125
- Tankers: 400
- Others: 410
Growing technical expertise

MTCC PACIFIC
Maritime Technology Cooperation Centre

MTCC AFRICA
Maritime Technology Cooperation Centre

MTCC CARIBBEAN
Maritime Technology Cooperation Centre

MTCC ASIA
Maritime Technology Cooperation Centre

MTCC LATIN AMERICA
Maritime Technology Cooperation Centre

Pilot Projects
Impact

Solomon Islands Ports Authority (SIPA)
– based on between 6 to 12 months of savings data indicates a total of **160 tonnes of GHG** emission reduction

Fiji Ports Authority Limited (FPCL)
– For LED upgrades, an annual reduction of **40 tonnes of GHG** emissions was reported

**SIPA Chief Executive Officer, Eranda Kotelawala:** “We have a clear vision of green ports in Solomon Islands and to transform Noro Port into a carbon neutral port by 2030.”
What role for MTCCs in the future?
GMN & the IMO GHG strategy

Initial IMO GHG Strategy, paragraph 5.5: “the Organization is requested to assess periodically the provision of financial and technological resources and capacity-building to implement the Strategy through the ITCP and other initiatives including the GloMEEP project and the MTCC network”.

Initial IMO GHG Strategy, paragraph 5.4: “The Committee could assist the efforts to promote low-carbon technologies by facilitating public-private partnerships and information exchange”.
Green ports

Port: Just in Time Services (Digital Infrastructure)

Port: Shore Based Power Supply

Port: Energy Efficient Equipment and Operations
Supporting related IMO initiatives

• GloMEEP

• Green Voyage

• ITCP

• GIA
The GloMEEP and IMO...

Global Industry Alliance

Current membership of 16 companies:

[Logos of the member companies are displayed]

glomeep.imo.org
GMN sustainability

Short term: 1 year extension

Long term

GMN Project

2016-2019

2020

IMO GHG TC Trust Fund

Donor Support

Regional partners / industry engagement

2021-
Conclusion

Energy efficiency, GHG emissions and MTCCs

MTCCs at the centre of regional maritime networks

Technical expertise and proven results

GMN a key tool to support SIDS / LDCs and achieve quantifiable results

Current Emissions: 950 Million T COeq
Further information

• GMN project website: http://gmn.imo.org/

http://www.mtccasia.org
http://mtcccafrica.jkuat.ac.ke
https://utt.edu.tt/index.php?wk=68
https://mtcclatinamerica.com
http://mtccpacific.spc.int