

International Workshop on Greenhouse Gas Emissions and Shipping

13-14 November 2018, Singapore

Co-organised by CIL and MPA



Chatham House Rule Applies

BACKGROUND & OBJECTIVES

At its 72nd Session in April 2018, the Marine Environment Protection Committee of the International Maritime Organization (IMO) adopted an initial strategy on the reduction of greenhouse gas (GHG) emissions from ships, setting out a vision to reduce GHG emissions from international shipping. The vision confirms IMO's commitment to reducing GHG emissions from international shipping and, as a matter of urgency, aims to phase them out as soon as possible this century. More specifically, under the identified 'levels of ambition', the initial Strategy envisages that the total annual GHG emissions be reduced by at least 50% by 2050 compared to 2008, while, at the same time, pursuing efforts towards phasing them out entirely. The strategy includes a specific reference to 'a pathway of CO2 emissions reduction consistent with the Paris Agreement temperature goals'.

The workshop will examine the historical work and recent developments at the IMO regarding the reduction of GHG emissions from shipping. It will bring together legal and industry experts, who will explore the initial IMO Strategy on GHG reduction from legal, technical and industry points of view, while outlining the technical background and major issues in the reduction of GHG emissions. The workshop will assess the prospects associated with the use of market-based measures to reduce emissions, and the challenges and best practices of GHG emissions reduction from different perspectives including from the bunkering industry, engine and ship manufacturers, ship owners, classification societies, and from the environmental perspective. Representatives from major port and flag state administrations will discuss implementation and enforcement issues, challenges, obligations and recommendations. The workshop will also introduce regional perspectives and experiences and conclude by exploring the way forward, through strategies, issues, economic realities and prospects.

The overall objective of the workshop is to understand the full implications of the IMO Strategy regionally and internationally, and to examine possible implementation strategies and solutions for governments and stakeholders going forward.

SPEAKERS' PROFILES & GHG WORKSHOP BACKGROUND PAPER

To view the speakers profiles and read the GHG Workshop Background Paper, please scan the QR code or visit <https://cil.nus.edu.sg/event/international-workshop-on-greenhouse-gas-emissions-and-shipping/>



PROGRAMME (Chatham House Rule Applies)

TUESDAY 13 NOVEMBER 2018	
08:30–09:00	Registration and coffee
09:00–09:30	Welcome & Introduction Robert Beckman, NUS Centre for International Law Opening Remarks Andrew Tan, Chief Executive, Maritime and Port Authority of Singapore
Panel 1 / 09:30–11:00 Background and Legal Framework Moderator Robert Beckman , NUS Centre for International Law	
Session 1: IMO and GHG history Speaker: J Ashley Roach , NUS Centre for International Law <ul style="list-style-type: none">• Relationship between the IMO work on GHG reduction and the UNFCCC and Paris Agreement• Mandate and role of the IMO in climate change negotiations• GHG emissions under UNCLOS and relevance to the IMO work• IMO’s work to date on GHG emissions reduction, particularly the development and amendment of Annex VI to MARPOL• Progressive development of IMO activities relating to emissions (from energy efficiency measures such as the Energy Efficiency Design Index to emissions restrictions such as Energy Control Areas to GHG reduction)	
Session 2: Current state of play at the IMO regarding strategy on GHGs Speaker: Aldo Chircop , Dalhousie University <ul style="list-style-type: none">• Summary of initial IMO Strategy for reducing shipping emissions• Overview of IMO’s short, medium and long term strategy on GHG emissions• Different stakeholders including role of classification societies and other certification bodies• Discussion of possible future action at the IMO	
Comment: Developments from MEPC 73 Commentator: Hanqiang Tan , Maritime and Port Authority of Singapore	
Q & A Session	
11:00–11:30	Coffee Break & Panellist Group Photograph

Panel 2 / 11:30-13:00
IMO Strategy in Practice

Moderator
J Ashley Roach, NUS Centre for International Law

Session 1: IMO Strategy: Reconciling different views and interests

Speaker: Sveinung Oftedal, Chair of IMO Working Group on Reduction of GHG Emissions from Ships

- Different perspectives and interests of IMO member states and other stakeholders
- Possible scenarios
- Existing compromise and pending issues including the quantification of emissions reduction
- Next steps and practical implications for member states

Session 2: Technical background and major issues: Engineering, operations, alternative fuels

Speaker: Jasmine Lam, Nanyang Technological University, Singapore

- Overview of technical solutions available
- Design and engineering solutions including changes or modifications to existing ships and engines
- Operational solutions including vessel speed reduction
- Alternative fuel solutions and potential impacts on GHG emission
- Carbon accounting methodology: issues and relevance

Session 3: Technical background and major issues: Market based measures

Speaker: Chai Kah Hin, NUS Department of Industrial Systems Engineering and Management

- Market based measures: problems and prospects
- Possible role in the IMO strategy

Q & A Session

13:00–14:00

Lunch

Panel 3 / 14:00–15:30

Non-Government Stakeholder Perspectives (1)

Moderator

Henrik Ringbom, Scandinavian Institute for Maritime Law
& KG Jebsen Centre for Law of the Sea, University of Tromsø

Session 1: Implications for bunkering industry

Speaker: Simon Neo, International Bunker Industry Association

- Introduction to the interest represented
- Challenges for bunkering industry
- Practical issues including questions of bunkering in port or at sea and availability of fuel
- Challenges for particular regions or countries

Session 2: Implications for engine and ship manufacturers

Speaker: Sanjay Verma, Wärtsilä Singapore

- Introduction to the interest represented
- Challenges for engine and ship manufacturers
- Challenges for particular regions or countries

Q & A Session

15:30–16:00

Coffee Break

Panel 4 / 16:00–17:30

Non-Government Stakeholder Perspectives (2)

Moderator

Youna Lyons, NUS Centre for International Law

Session 1: Implications for ship owners

Speaker: Simon Bennett, International Chamber of Shipping

- Introduction to interest represented
- Challenges for ship owners
- Challenges for particular regions or countries

Session 2: Environmental perspective for the shipping industry

Speaker: Aoife O’Leary, Environmental Defense Fund

- Environmental issues raised by the development of the new IMO Strategy
- Recommendations for future action

Session 3: Classification societies

Speaker: Denzal Hargreaves, DNV GL-Maritime

- Introduction to interest represented
- Role of the classification societies in the context of the new Strategy

Q & A Session

17:45 onwards	<p>Workshop Barbecue Buffet Dinner</p> <p>The Best Brew, Level 1, Four Points by Sheraton</p> <p><i>No pork or lard is used in the food but there will be two-hour free flow of alcoholic drinks.</i></p>
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WEDNESDAY 14 NOVEMBER 2018

08:30–09:00

Registration and coffee

Panel 5 / 09:00–10:30

Implementation and Enforcement of the New Strategy

Moderator

Aldo Chircop, Dalhousie University

Session 1: Implementation and enforcement for port states

Speaker: Naim Nazha, Transport Canada

- Issues and challenges
- Changes to port state control regime

Session 2: Flag state best practice and incentives

Speaker: Goh Chung Hun, Maritime and Port Authority of Singapore

- Best practice in flag state administration
- Incentives to reduce GHG emissions from shipping

Q & A Session

10:30–11:00

Coffee Break

Panel 6 / 11:00–13:00

Government Perspectives in Regional and National Contexts

Moderator

J Ashley Roach, NUS Centre for International Law

Session 1: Regional approaches and problems, including the European example

Speaker: Henrik Ringbom, Scandinavian Institute for Maritime Law and KG Jebsen Centre for the Law of the Sea, University of Tromsø

- The EU's role in the global developments
- Jurisdictional concerns: to what extent can a region regulate climate change in shipping
- Post-Strategy position

Session 2: Perspective from developing countries: PSIDS

Speaker: Peter Nuttall, School of Marine Studies, University of the South Pacific

- Challenges in the context of the new IMO strategy

Q & A Session

13:00–14:00	Lunch
<p>Panel 7 / 14:00-15:30 Joint Panel Session The Way Forward: National and Regional Strategy, Issues and Prospects</p> <p>Moderator Robert Beckman, NUS Centre for International Law</p>	
<ul style="list-style-type: none">• Consisting of moderators and speakers from different panels	
15:30	Workshop close
