

WORKSHOP ON GREEN GROWTH OF MARITIME INDUSTRIES

OECD COUNCIL WORKING PARTY ON SHIPBUILDING (WP6)

PROGRAMME

20 November 2017
OECD Conference Centre
Paris, France

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Workshop on Green Growth of Maritime Industries

Maritime freight transport is indispensable to world trade and globalization as around 80 per cent of global trade, which has been growing at a fast pace in recent years, is carried by sea and is handled by ports worldwide, according to UNCTAD. The increase in greenhouse gas (GHG) and air pollutants emissions by international shipping is notably driven by this growth in seaborne trade. The shipbuilding and marine equipment industries are expected to play a large role for the improvement of the environmental performance of ocean-going vessels by focusing on this goal in their research, development and production activities.

The IMO has played a key role in the development of international regulation and practical measures tackling GHGs emissions, air pollution, and the spread of invasive aquatic species. Many of these impacts can be mitigated thanks to the investment in green technologies. Regional and national policies have also been implemented to boost innovation and to encourage the application of greener technologies. In addition to the effort made by the public sector, private sector initiatives can boost greener shipping notably by encouraging end customers to choose maritime freight transport carried by greener vessels.

These actions at international, regional and national levels not only impose a burden on maritime industries but also boost demand for new building, repairing and retrofitting as well as for offshore wind industries. Appropriate ship finance is an important element of the sustainable development of greener shipbuilding and machinery industries.

The workshop is expected to contribute to better understanding of which role governments could play to help develop greener maritime industries. It will notably allow participants to discuss how maritime industries can address environmental challenges, and what are the main driving forces and barriers to invest in greener technologies.

The workshop is part of the first OECD Ocean Economy Week (20-24 November 2017), which also includes the [2017 OECD Green Growth and Sustainable Development \(GGSD\) Forum](#) focusing on 'Greening the Ocean Economy' and a [Conference on New Approaches to Evaluating the Ocean Economy](#) under the Innovation and Ocean Economy Project.

PROGRAMME

Monday, 20 November 2017
OECD Conference Centre - CC 13

9.00 – 9.30 **Welcome Coffee**

9.30 – 9.40 **Welcome and Introduction to the Workshop**

Chair: **Mr. Olav Myklebust, Minister Counsellor (DPR), Permanent Delegation of Norway to the OECD and Chair of the WP6**

Introduction by Mr. Olav Myklebust on the objectives of the workshop and the main issues to be discussed.

9.40 – 11.10 **Session 1: International efforts for greening maritime industries**

This session aims to better understand the international efforts addressing environmental challenges in maritime industries. In particular, the IMO has played an important role by implementing measures regarding GHGs emissions, air pollution, and the spread of invasive aquatic species, which drive the investment in green technologies by ship-owners as well as higher R&D efforts by suppliers.

- Presentation by **Dr. Jane Lister, Senior Research Fellow, University of British Columbia** on achieving greener shipping notably by better governing sustainable maritime transport.
- Presentation by **Mr. Camille Bourgeon, Technical Officer, International Maritime Organisation (IMO)** on recent developments made by the IMO in respect of protection of the marine environment. Mr. Bourgeon's presentation will include a summary of IMO's Marine Environment Protection Committee (MEPC) 71 and a focus on IMO's GHG discussion.
- Presentation by **Mr. Merijn Hougee, Director, Clean Shipping Index** on Clean Shipping Index (CSI) assessing the environmental performance of ships and shipping companies.
- Presentation by **Ms. Renske Schuitmaker, Analyst, Directorate of Sustainability, Technology and Outlooks, International Energy Agency (IEA)** on IEA's analysis on decarbonisation of shipping.

Selected issues for discussion:

- Are additional rules needed at the international level?
- How can international organizations or the private sector contribute to encouraging customers to adopt greener technologies?
- What is the impact of international environmental regulation on the shipbuilding, repairing and machinery industries?

11.10 – 11.40 **Coffee Break**

11.40 – 13.00

Session 2. Regional and national policies and measures promoting the construction and operation of greener vessels

This session aims to discuss regional and national policies promoting the construction and operation of greener vessels and includes presentations by the OECD Secretariat and selected government representatives; this session discusses the role of governments to promote the construction and operation of (over-compliant) greener vessels as well as to boost innovation in maritime sector.

- Presentation by **Mr. Laurent C. Daniel and Mr. Kei Ito, OECD** on the analysis of measures taken at regional and national levels aiming to promote the construction and operation of greener ships.
- Presentation by **Mr. Mogens Schrøder Bech, Director, Maritime R&D, Danish Maritime Authority** on Green Technology Innovation in Shipping (e.g. Blue INNOShip) from a Danish Maritime Authority point of view.
- Presentation by **Mr. Ö. Umut Şentürk, Head of Department, Ministry of Transport, Maritime Affairs and Communication, Turkey** on ship construction and scrapping scheme in Turkey and its impact on promoting greener shipping.
- Presentation by **Dr. Yongsuk Suh, Shipbuilding Program Director, Korea Evaluation Institute of Industrial Technology (KEIT)** on recent efforts on the construction of green ships in Korea.

Selected issues for discussion:

- What can be done by governments to promote the construction and operation of over-compliant greener vessels?
- What is the role of governments to boost innovation in the maritime sector?
- What are the barriers for the implementation of environmentally friendly technologies notably on existing ocean going vessels?

13.00 – 14.30

Lunch break

14.30 – 16.00

Session 3. Private sector initiatives

This session aims to allow private stakeholders including representatives from shipping, shipbuilding, repairing, and ship machinery industries to give their views on the impact of international, regional and national policies on their activities.

- Presentation by **Mr. Simon Bennett, Director Policy & External Relations International Chamber of Shipping** on Progress towards an environmentally sustainable shipping industry.
- Presentation by **Mr. Hiroshi Iwamoto, Chairman of International Sub-Committee, The Shipbuilders' Association of Japan (SAJ)** on the role of the Shipbuilding industry for green growth in ocean activities.
- Presentation by **Mr. Christophe Tytgat, Europe Secretary General, Shipyards' & Maritime Equipment Association, SEA Europe** on Green growth in ocean activities: the role and contribution of the European maritime technology industry.

- Presentation by **Mr. Peter Luijckx, Managing Director, Lisnave Estaleiros Navais S.A.** on the role of the ship repairing industry for green growth in ocean activities.
- Presentation by **Mr. Olivier Cadet, Executive Vice President – Products & Services, Kongsberg Maritime AS** on the concept of zero emission autonomous shipping.

Selected issues for discussion:

- What are the effects of international regulation on the sustainable growth of shipping, shipbuilding, ship repair and ship machinery industries?
- What are the main driving forces and barriers to invest in greener technologies?

16.00 – 16.30 Coffee Break

16.30 – 18.00 Session 4. Emerging green technologies and green ocean finance

This session aims to discuss about ship finance by public and private entities focusing on green technologies and the use of renewable energy in the maritime sector. Investment leading to greener shipping and the development of offshore wind energy is expected to increase following the introduction of environmental regulation.

- Presentation by **Mr. Tore Longva, Principal Consultant, Maritime Regulatory Affairs, DNV GL Maritime** on technology development for greener shipping.
- Presentation by **Mr. François Gaudet, Senior Banker, European Investment Bank** on the green ship loan/guarantee scheme.
- Presentation by **Mr. Alexandre Amedjian, Head of Shipping Finance for Europe, Middle East and the Americas, Société Générale** on challenges in financing for greener ships.
- Presentation by **Ms. Ariola Mbistrova, Finance Analyst, WindEurope** on offshore wind finance.

Selected issues for discussion:

- Which technologies have a significant impact on the environmental performance of vessels? How can these technologies be applied to the vessels currently in operation?
- How do financiers assess the financial performance of vessels?
- How can public financiers boost the development and adoption of environmental friendly technologies?
- What are the main challenges faced by offshore wind firms and other oceanic renewable energies?

18.00 – 19.30 Cocktail

<http://oe.cd/wp6ws>

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