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Getting to Zero Coalition

ACCELERATING THE DEVELOPMENT AND DEPLOYMENT OF
ZERO EMISSION VESSELS BY 2030

Maritime CleanTech, 28 November 2019

- **Johannah Christensen**, Managing Director, Head of Projects & Programmes, Global Maritime Forum



Background

- **Call To Action** in Support of Decarbonization (Oct.2018)
 - Signed by more than 70 leaders from across the maritime industry, financial institutions and other stakeholders
- **Poseidon Principles** (Jun.2019)
 - A global framework for climate-aligned ship financing
 - 14 signatories

To reach the **IMO's ambition**

to reduce GHG emissions from shipping by at least 50% by 2050,

commercially viable Zero Emission Vessels

must start entering the global fleet by **2030** →





● Ambition: Getting to Zero →

To reach the IMO's ambition to reduce GHG emissions from shipping by at least 50% by 2050, commercially viable Zero Emission Vessels must start entering the global fleet by 2030

Ambition of the Coalition

To have **commercially viable Zero Emission Vessels (ZEVs)** operating along **deep-sea trade routes by 2030**, supported by the necessary infrastructure for scalable net zero-carbon energy sources including production, distribution, storage and bunkering

Ambition: Transformation

Focus on Zero Carbon

- ① The Coalition is focused exclusively on **scalable zero carbon options** for international shipping and its fuel supply chains.
- ① The Coalition's "zero carbon energy sources" phrase is intended to be **inclusive of fuels derived from zero carbon electricity, biomass and fossil fuel feedstocks coupled with the use of CCS.**
- ① Technologies and solutions for energy efficiency, operational efficiency, data and transparency, and near-shore shipping are commendable and should continue in parallel to this effort.



102 Coalition Members

84 Companies

6 Knowledge Partners

9 Supporters

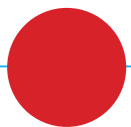
3 Project Partners

14 Supporting Governments

**Denmark, Belgium, Chile, Palau, Morocco, Korea, Ireland, United Kingdom,
New Zealand, Sweden, France, Finland, Netherlands, Poland**

Ambition Statement; [link](#)

As of 22 November 2020



Workstreams

1. **Fuels, Technologies & Transition Pathways**
2. **Motivating First Movers**
3. **Closing the Competitiveness Gap**
4. **Global Opportunity for Zero Emission Fuels Exports**





Workstreams:



Fuels, Technologies & Transition Pathways

This workstream will:

- Build a common understanding of the engine and fuel storage technologies that are suitable for advancing ZEVs at scale
- Engage with future fuel suppliers to narrow the choice of possible fuels to those that show technical and economical potential for scale
- Map out of safety implications, guidelines and required regulations for scaling up new fuels
- Identify the possible ports and “corridors” that are candidates to build the constellation of trade routes that can lead on decarbonization



Workstreams:

Motivating First Movers

A group of stakeholders will need to take dive in to get things moving in the next 5 years. This workstream will:

- Explore policies and funding mechanisms to motivate and de-risk first mover investments;
- Build the business case to unlock substantive financial investment in zero emission shipping;
- Explore new business models, supply chain interactions and demand drivers that can aggregate client demand for zero emission solutions;
- Catalyze concrete initiatives that can help make the opportunities for first movers more tangible.



Workstreams:

Closing the Competitiveness Gap



Mass uptake of zero emissions fuels and vessels will only happen when they can compete with incumbent options. This workstream will:

- Explore the policy instruments and market-based measures to close the competitiveness gap between conventional and zero emission fuels and associated infrastructure
- Engage with key decisionmakers from governments and international organizations around the needs of a global regulatory framework
- Draft a set of policy recommendations that can build a level playing field and take ZEVs from first movers to large scale uptake



Workstreams:



Global Opportunities for Zero Emissions Fuels Exports

There are untapped opportunities for producing marine fuels using renewable energy sources in countries around the world. This work will:

- Map countries with the potential to generate and export zero emission fuels with deep dives on high-potential countries
- Present two country case studies to kick-start this work, exploring “power-to-X” pathways in Morocco (solar) and Chile (wind)
- Explore global potential through a study by the World Bank
- Engage emerging economies in the decarbonization dialogue by presenting them with new economic opportunities.



Q&A





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Thanks

- Ambition Statement; [link](#)
- Project Outline; [link](#)
- Coalition Video; [link](#)

If you wish to learn more about the Coalition, please contact Louise Dobler:

ldo@globalmaritimeforum.org