



Dear Members and Subscribers,

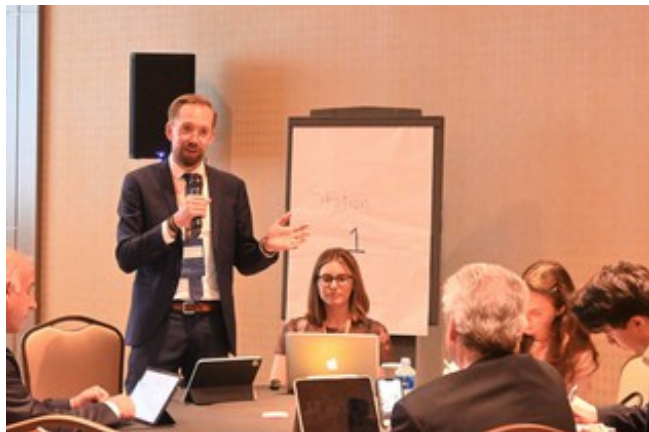
A lot is happening in the Shipping Mission, and since our last newsletter we have been on the ground in Brazil for the Mission Innovation Annual Gathering, in Norway at Nor-Shipping and held a webinar about tracking of innovation. Besides that, we have launched two new projects that are well underway, and soon we will be heading to Goa in India for the [Mission Innovation Ministerial / Clean Energy Ministerial](#) conference where we will be hosting a side event on hydrogen, ports and shipping.

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## Mission Innovation Annual Gathering in Rio de Janeiro in Brazil

Our Mission Director Andreas was in Rio in March to share the latest from our Mission and to get input from other MI missions. Among other things, Andreas gave a presentation about the Shipping Mission's collaboration with the private sector and emphasized the importance of involving private stakeholders in activities. We firmly believe that collaboration between public and private sectors is crucial to achieving a sustainable future, and we are proud to lead by example.

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## Nor-Shipping 2023 in Oslo in Norway and Shipping Mission workshop

In June the Shipping Mission Secretariat were together in Oslo for three energetic days of work on how to make the Shipping Mission's work impactful, and to start planning our activities for the coming year 2024.

We also had a day at the shipping fair and conference Nor-Shipping in Oslo where the green transition of shipping was a hot topic. We held a panel discussion at the Maritime CleanTech stand together with ship owner Grieg Star, fuels provider Yara International, engine designer MAN Energy Solutions and our Executive Committee member Sveinung Oftedal from Norway's Ministry of Climate and Environment who is leading the negotiations for the new GHG strategy at the IMO. Thanks a lot for teaming up with us.

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## Webinar on measuring innovation through KPI's

In May we held a webinar about our KPI's and how to measure innovation that crosses several sectors and where no single data stream is available. The webinar was a great success with about 100 participants in total. Thanks a lot to DNV for assisting us with the KPI report and for teaming up with us for the webinar. If you have not yet read the report, please find the executive summary of it on our webpage [here](#).

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## Launch of project on the Process for Alternative Design Approvals (P.A.D.A. project)

Alternative vessel designs are needed if ship owners today want to use new marine fuels such as ammonia, and flag state approval of an alternative design is regulated under International Maritime Organization (IMO) circular 1455. With this project we have a goal to enable knowledge sharing and alignment on the Alternative Design Approval process between Flag states and Classification societies to support first

movers until detailed regulation is in place. The project will facilitate a series of workshops in 2023 and outreach to Industry stakeholders as well. The Zero-Emission Shipping Mission offers a good platform for the flag- and class neutral discussions and knowledge sharing.

Participants in the project are flag states Denmark, Norway, USA, UK, Singapore, Australia, Korea, Germany, Canada and Japan alongside classification societies Lloyd's Register, Korean Register, Class NK, ABS, Bureau Veritas and DNV.



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## Kick-Off of Blueprint for Future Ports: Port Scalable Zero-Emission Fuel Supply Study

Credible information regarding the ability of global ports to provide zero-emission fuels will help expedite progress in the development of zero-emission fuelling infrastructure, thereby helping ship owners when they assess their investment strategies in zero-emission vessels.

We have partnered up with RMI to deliver the project, which will assess the potential and cost for the world's top 20 bunkering ports to provide clean ammonia, methanol, and hydrogen by 2030. RMI will generate analytical output in form of a techno-economic model that will be validated by a stakeholder group composed of the ports of Singapore, Rotterdam, Antwerp, Amsterdam, Seattle and Pilbara with bunker suppliers Bunker Holding and World Fuel Service and fuel producers InterContinental Energy, Yara and Ørsted. From our own ranks, we have included mission members US, Singapore and Norway. Finally, we are having UMAS assisting from academia.

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## We want to hear from you!

The Shipping Mission is actively soliciting feedback from industry, academia, research laboratories, and government agencies on the maritime industry's perspectives on alternative fuel advancement and strategies to get to net zero GHG emissions. Review our [Request For Information here](#) and respond to ZESM@ee.doe.gov, no later than 5:00 pm (US Eastern Time) on July 14, 2023.

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Zero-Emission Shipping Mission LIVE at Nor-Shipping together with Tessa Major of Yara International, Kjeld Aabo of MAN Energy Solutions, Atle Sommer of Grieg Star and Sveinung Oftedal of the Norwegian Ministry for Climate and Environment.



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Zero-Emission Shipping Mission

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