

As we approach the halfway mark of Mission Innovation 2.0 in 2025 and our anticipated goals in 2030, understanding where we are and how we are doing is more important than ever. The following provides the framework for the 2024 work plan and Key Performance Indicators (KPI) that help illustrate success, challenge and opportunity for the mission and help to view our trajectory towards those 2030 goals.

# Mission 2024 Work Plan & Key Performance Indicators – Zero Emission Shipping

Plotting the path to 2030

Mission Innovation Secretariat

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## Introduction

### Definitions

KPIs have been divided into three categories:

**Inputs** – What members directly contribute to the Mission – e.g. human resources (FTEs), financial resources, and/or other ways (e.g. data sets, knowledge sharing) that members directly contribute to the Mission.

**Outputs** – These are the direct products of the Mission – e.g. collaborative or coordinated funding calls, new research collaborations established, reports published, stakeholders engaged, events hosted, or other projects that are *directly* the result of Mission efforts.

**Outcomes** – These reflect the general activity within the field of the mission on the journey towards the 2030 goals. While some activity may be a direct result of mission activity (which should be highlighted) they are often part of larger global initiatives that align with mission goals and in some cases have been inspired by mission activities. These KPIs help to plot the journey to the overarching mission goals for 2030.

## Section 1 – Key Contacts

### Key Contacts

<b>Mission Director:</b>	<b>Mette Festersen Jensen (interim)</b>	<b>(<a href="mailto:mff@dma.dk">mff@dma.dk</a>)</b>
<b>Mission Secretariat Liaison:</b>	<b>K Powe</b>	<b>(<a href="mailto:kay.powe@nrcan-rncan.gc.ca">kay.powe@nrcan-rncan.gc.ca</a>)</b>

## Section 2- Mission Goals & Outcomes

### **Demonstrate commercially-viable zero-emission ships by 2030**

Progress Update:

*Discuss with Mission Director*

Outcome Indicators:

Indicator	Target	Milestones	Current
Number of deep-sea vessels applying well-to-wake zero-emission GHG fuels			
Number of deep-sea vessels capable of using well-to-wake zero-emission GHG fuels			
Number of deep-sea green shipping corridors involving mission countries and organisations			
Number of deep-sea zero-emission maritime research, development and demonstration/pilot projects			

## Section 3 – 2024 Deliverables

### 2024 – 25 Goals

#### Mission Deliverables

Priority Deliverable - committed	Details	Target Date	Output Category	Lead (Support)
Port Scalable Zero Emission Fuel Supply Study	Produce an industry-validated, modelling-based assessment of the cost and ability for the top 20 global bunker ports to supply hydrogen-based fuels by 2030	Publication March and launch 15 April 2024	<i>Collaborative Funding Calls/Research Collaboration/Event/Report/Stakeholder Engagement/Other</i>	GMF and RMI(US)
Report on the Safety of Crew in Low/Zero emission Ships	The report with showcase existing and planned procedures for crew training and safety for seafarers on board ships using ammonia, methanol and hydrogen as fuel, and contribute to knowledge sharing among industry stakeholders	Before IMO meeting in September	Research/ Stakeholder engagement/Events/Other	DK, MMMCZCS
US/ROK Green Corridor Pre-Feasibility Study	The main outcome of this project is to assess the viability of establishing a green shipping corridor between the USA and the ROK, focused on the Seattle-Tacoma-Everett cargo gateway (USA) and Busan, Ulsan, and Masan (ROK). Throughout this project the research will bring together a diverse group of stakeholders that will inherently strengthen relationships and disseminate knowledge on green corridor formation.	September 2024	Collaboration/ Stakeholder Engagement/	US

KPI report	2. KPI progress report	16 April 2024	Collaboration/Event/Report/Stakeholder Engagement/	DK, GMF
Zero-Emission Shipping Mission conference during Singapore Maritime Week	Three part Zero-Emission Shipping Mission <ul style="list-style-type: none"> <li>• External event</li> <li>• Internal conference for all Mission members(1 day)</li> <li>• Executive Committee Meeting</li> </ul>	15-16 April 2024	Collaboration/Event/Report/Stakeholder Engagement/	NO, DK, US, GMF, MMMCZCS
Announcement of new Mission goals by 2030	Raise the ambition in the Mission goals by 2030 Pending final approval from members	15 April 2024	Other	NO, DK, US, GMF, MMMCZCS
Biannual progress report	Biannual progress report	September 2024	Other	NO, DK, US, GMF, MMMCZCS
Information on new Mission goals by 2030	Information on revision of the Mission Goals at MI Ministerial	October 2024	Other	NO, DK, US, GMF, MMMCZCS
Event at MI Ministerial	Concept note TBD	October 2024	Research Collaboration/Event/Report/Stakeholder Engagement	NO, DK, US, GMF, MMMCZCS
Event at COP29	Concept note TBD	November 2024	Research Collaboration/Event/Report/Stakeholder Engagement	NO, DK, US, GMF, MMMCZCS
<b>Stretch Deliverable (Would like to do)</b>	<b>Details</b>	<b>Target Date</b>	<b>Output Category</b>	<b>Lead (Support)</b>

## Section 4 – Mission Inputs

### Human Resources

*Discuss with Mission Director*

### Human Resource Gaps/Needs

*Discuss with Mission Director*

### Funding/Financial Resources

*Discuss with Mission Director*

### Funding/Finance Resource Gaps/Needs

*Discuss with Mission Director*

### Other In-kind Contributions

*Discuss with Mission Director*

### Intangible Resource Gaps/Needs

*Discuss with Mission Director*

## Section 5 – Outputs

### Collaborative and Coordinated Funding Calls

*Discuss with Mission Director*

### Research Collaborations and Knowledge Sharing Communities

*Discuss with Mission Director*

## Events and Reports

Event/Report Title	Description	Date	Reach	Results
Webinar for support mission members		23 January 2024	Mission members	
National meeting in Norway		5 January 2024	Norwegian stakeholders	
International Zero-Emission shipping Mission conference		16 April 2024	Mission members	
Event at Singapore Maritime Week		15 April 2024	Political, industry, research	
KPI			Political, industry, research	
Webinar for support mission members		September 2024	Mission members	
Webinar on the Port Scalable Zero Emission Fuel Supply Study			Political, industry, research	
Webinars - SCILZS		June-October 2024	Political, industry, research	

## Stakeholder Engagement

*Discuss with Mission Director*

## Section 6 – Demonstrations

*Discuss with Mission Director*