
Clean Cargo

Shipowner/cargo interests: meeting the climate challenge by collaboration across the value chain - GST Copenhagen

Victor Gancel – Clean Cargo Manager

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Global Nonprofit Business Network

We are a global non-profit organization that works with our network of more than 265 member companies and other partners to build a just and sustainable world. From our offices in Asia, Europe and North America, we develop sustainable business strategies and solutions through consulting, research and cross-sectoral collaboration.

- Copenhagen
- Guangzhou
- Hong Kong
- New York
- Paris
- San Francisco
- Shanghai
- Tokyo



Our Services

We develop sustainable business strategies and solutions through **membership**, **consulting**, **collaboration**, and **research** with our global network of more than 265 member companies.



Insights gained from our research and collaborative partnerships strengthen our consulting work.

Our real-world experience working closely with member companies informs our research.

Our cross-sector efforts build on our extensive network of members and stakeholders.

Sustainable business strategies and solutions

Shared Solutions to Global Challenges

Our powerful global network of member companies, cross-sector collaborative initiatives, and grant-funded partnerships ensure that no company is alone in addressing sustainability challenges.

BSR's collaborations benefit from:

Experience and Expertise

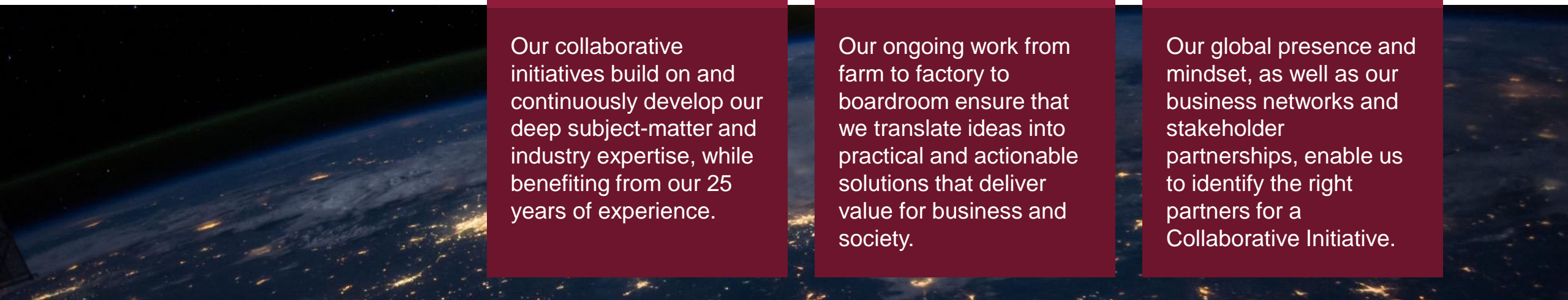
Our collaborative initiatives build on and continuously develop our deep subject-matter and industry expertise, while benefiting from our 25 years of experience.

Business-Driven Solutions

Our ongoing work from farm to factory to boardroom ensure that we translate ideas into practical and actionable solutions that deliver value for business and society.

Global Networks

Our global presence and mindset, as well as our business networks and stakeholder partnerships, enable us to identify the right partners for a Collaborative Initiative.



Clean Cargo

A long-standing business to business leadership initiative involving **major brands, cargo carriers and freight forwarders**, dedicated to reducing the environmental impacts of global goods transportation and promoting responsible shipping.

BSR is the lead facilitator and secretariat of Clean Cargo.



Members

Shipper Members



Forwarder Members




Carrier Members



Knowledge Partners





Highlights of 2019 Results

84.7% of global container capacity

20 carriers reporting

20 carriers verifying CO₂ and SO_x data (17 carriers in 2018)

Only verified data included in global benchmark which represents:

3,377 vessels (3,275 vessels in 2018)

20.0 million TEU nominal capacity (19.0 million in 2018)

Clean Cargo Workstreams

Clean Cargo generates impact by providing the industry with carrier-specific emission factors, supporting shippers and Forwarders

Methodology



- Contributing to emission accounting improvements while ensuring interoperability of the methodological framework across the transport supply chain

Sustainable Procurement



- Supporting shippers to advance their sustainability management as part their procurement decisions

Decarbonization



- Assessing the emission gap in the membership, identify decarbonization pathways in order to achieve IMO 2050.

RoRo



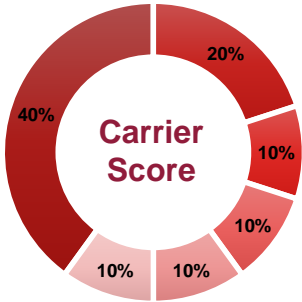
- Establishing a RoRo segment with both RoRo carriers and car manufacturers in order to establish a sound emission reporting methodology and framework.

Generating actionable information

Shippers and Forwarders must be provided with plug&play metrics regarding shipping emissions, to be integrated into their procurement processes

Metric	Carriers INPUTS		Clean Cargo OUTPUTS	
	Performance Indicators		Score	
CO2	32+ metrics for each vessel reported, as well as fleet wide operational data	<ul style="list-style-type: none">Tradelane emission factorsFleet-wide emission factors	Carrier emission factor vs Clean Cargo average emission factor, by tradelane	
SOx		<ul style="list-style-type: none">Tradelane emission factors% fleet-wide average sulfur content of fuel	Carrier emission factor vs Clean Cargo average emission factor, by tradelane	
NOx		<ul style="list-style-type: none">Post-1999 fleet-wide average performance against IMO curve (% below IMO curve)	Main and auxiliary engines performance vs IMO curve	
EMS		<ul style="list-style-type: none">% of fleet with certified EMS	% of owned and chartered vessels with ISO 14001 certification or other comparable third-party certified EMS	
WWC			N/A	
Transparency	Carrier Performance Survey (qualitative information)		Based on answers to survey questions	

- CO2
- SOx
- NOx
- WWC
- EMS
- Transparency

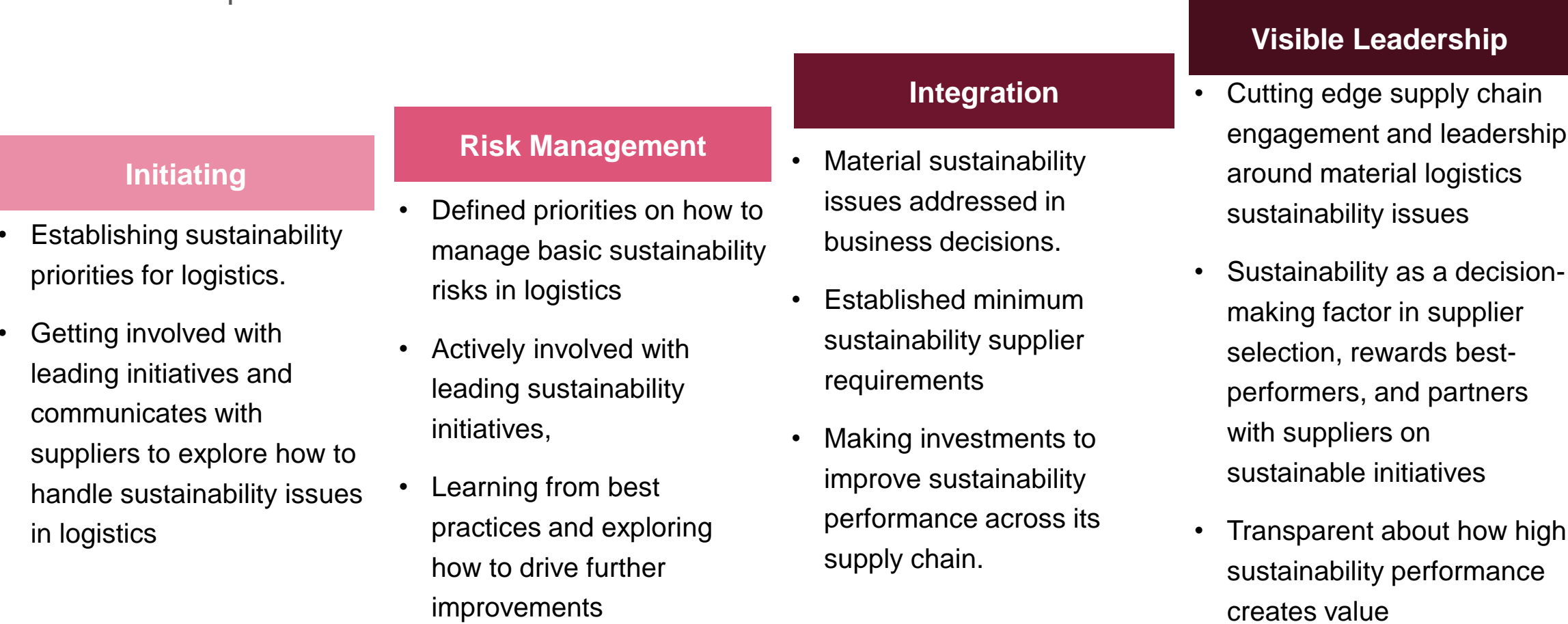


How we measure the performance:

- Quantitative information through a standardized set of metrics assessing ocean carriers' vessel environmental performance
- Qualitative information on carriers' corporate environmental management and reporting performance through an annual survey
- Verification of CO₂ and SO_x information for 100% of the vessels reported and included in the benchmark dataset

Creating & lifting the demand for sustainable shipping

Sustainable procurement is a powerful lever for shipping decarbonization. While shippers need to integrate sustainability into their logistics services procurement, carriers need transparency and predictability on the desired level of performance.



Collaboration platforms

Once carriers and shippers speak the same language, and when respective climate ambitions and strategies are mutually acknowledged, purposeful collaborations can be implemented

Catalyzing Collaborations

Motivating First Movers & Demand signaling

- IMO2050 will require a transformative change of the industry and its practices.
- Technological uncertainties and their scaling challenge must be tackled with knowledge sharing and demand pooling
- The Getting to 0 Coalition aims to accelerate the design and implementation of zero-emission vessels pilot
- One key uncertainty lies in the demand for sustainable shipping

BRIEF

H&M 1st to trial Maersk's carbon neutral transport



By: Gormannsdottir

IKEA, CMA CGM and GoodShipping Test Biofuels



BY THE MARITIME EXECUTIVE 11-27-2019 04:52:38

MSC becomes first major shipping line to use 30% biofuel blends

Mediterranean Shipping Company (MSC) has started to use biofuel in its vessels calling at Rotterdam in the Netherlands, following successful trials with biofuel blends earlier this year.

The trials were completed with a minimum 10% blend fuel, however following further trials the company will now commit to using the higher 30% blend.

"We are pleased to see these trials completed successfully and look forward to now using biofuel on our vessels as a routine matter," said Bud Darr, executive vice-president, maritime policy and government affairs, MSC Group. "When using such blended fuel, we can expect an estimated 15-20% reduction in absolute CO₂ emissions. The potential CO₂ reduction in the bio component of these fuels could reach 80-90%, which we will monitor and confirm over time."



Key takeaways from Clean Cargo Membership

Shippers Awareness

- Shippers awareness of environmental topics within Sea Freight is increasing (IMO2020, impact of scrubbers)
- Sustainability becoming a part of procurement decisions

Cross-Segment Collaborations

- Willingness for companies to engage across the value chain for pilot implementation, absence of demand pooling on the market
- Still lack of system thinking & awareness in the buyer-supplier relationship
- How to handle transparency, comparability and commercial sensitivity at the same time?
- Digitalization as a key enabler for information exchange and interoperability

Data

Decarbonization Pathways

- Abundant literature and increasing Scope 3 emission reduction targets
- Yet sparse pilots and high uncertainties on the scaling of innovations

Thank You

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