



Can IMO Regulations Initiate Innovations?

Swiss Climate and Ahrenkiel Shipmanagement show their experience with the implementation of the SEEMP and the EEOI

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3rd International Ship Efficiency Conference
Hamburg, 26th September 2011



Agenda

- 1 Company Profile of Swiss Climate
- 2 Background
- 3 IMO Regulations
- 4 Services of Swiss Climate



Company Profile



Over 10 Years of Experience in Environmental Consultancy



Onshore Services



Life Cycle Assessments



Team of Environmental Scientists and Economists

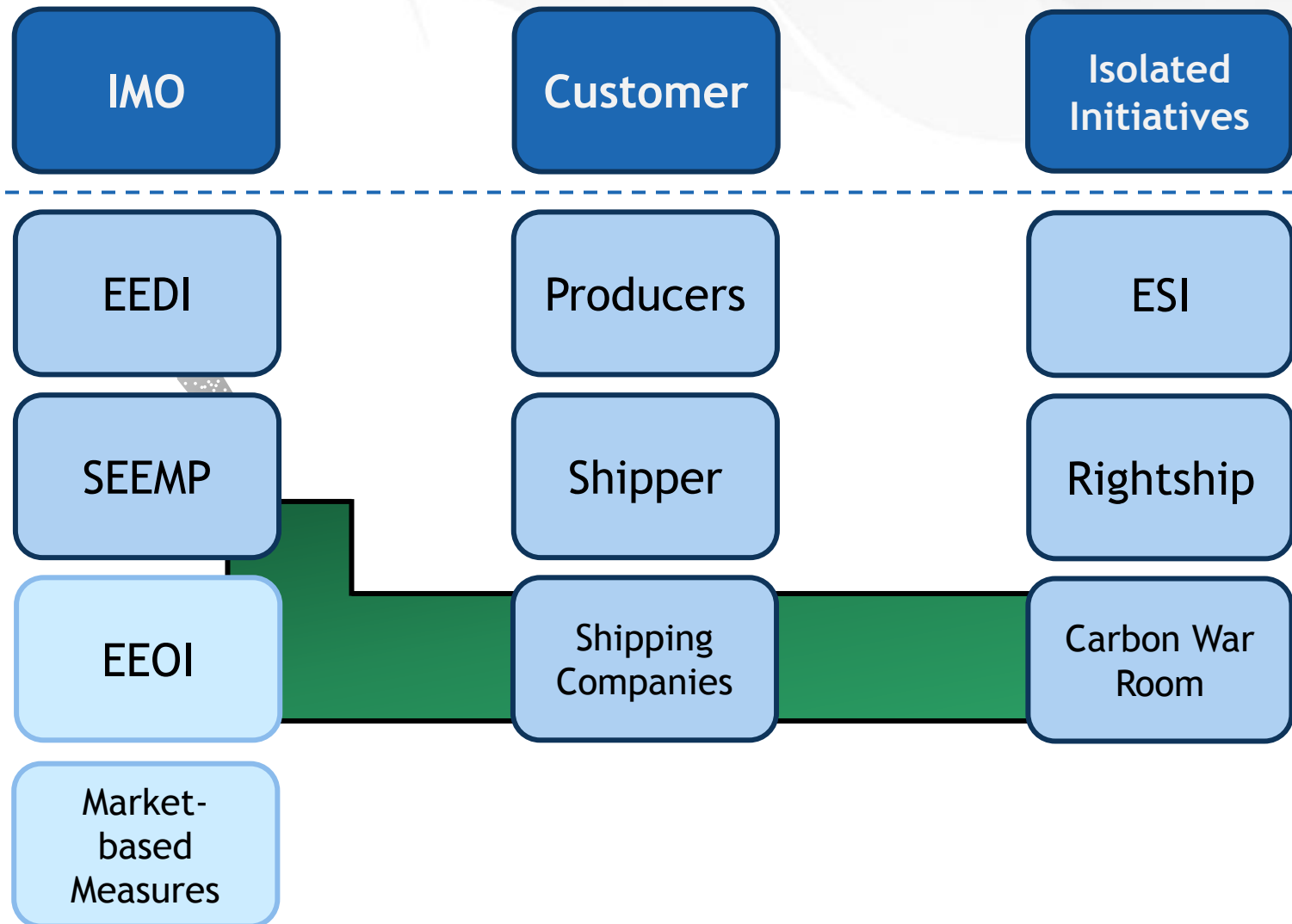


Since 2009 Projects in the Shipping Sector



Climate Projects according to Kyoto

Background



IMO-Regulations

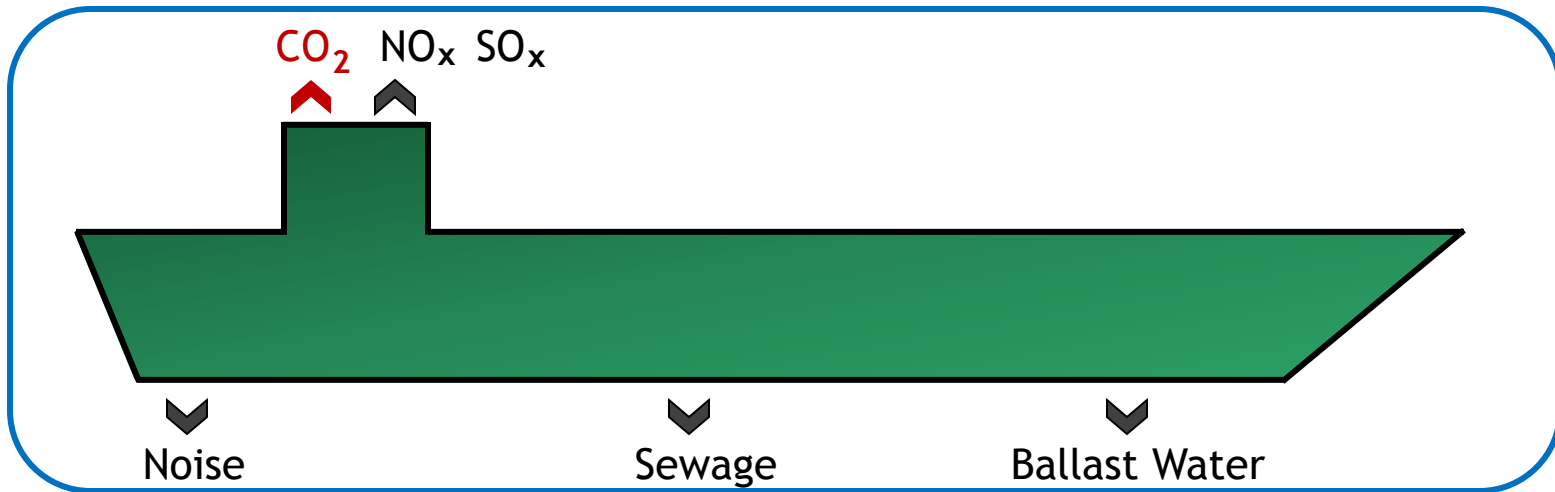
EEDI	SEEMP/EEOI	MBM
Energy Efficiency Design Index	Ship Energy Efficiency Management Plan Energy Efficiency Operational Indicator	Market-based Measures
<ul style="list-style-type: none"> ➤ Technical Measure ➤ Reflects the amount of CO2 generated per tonne-mile ➤ Applies only to new buildings ➤ Ships are required to have an attained EEDI below the reference line 	<ul style="list-style-type: none"> ➤ Establishes a mechanism for operators to improve the energy efficiency of their ships through the management of efficiency measures. ➤ Date of entry into force: 1st January 2013 ➤ EEOI is regarded as a tool to evaluate the measures. 	<ol style="list-style-type: none"> (1) Bunker Levy (2) Emission Trading System (3) Fee paid at each port depending on the previous distance (4) Ships are required to decrease the absolute annual CO2 emissions depending on their age



Timeframe



↓ Environmental Regulations ↓



Voluntary:
EEDI, SEEMP
EEOI

IMO-Meeting:
62nd MEPC Meeting:
SEEMP and EEDI

IMO-Regulations
publicly
available

Compulsory:
EEDI
SEEMP



July 2011

Sept./Oct. 2011

Jan. 2013



Issuing the SEEMP

- Swiss Climate issues the SEEMP on behalf of the Ship Management Company.

Certainty

- The new IMO-Regulation SEEMP will be fulfilled in due time.

Minor Effort

- Your effort will be minimized.

Vessel's Shipmanagement GmbH & Co. KG
Member of the Vessel's Group

Issue: 21.08.2011 Revision: 0

Ship Energy Efficiency Management Plan
(in accordance with the IMO-Regulations)

>> VESSEL'S NAME <<

Ship's Owner:	Revderei Vessel GmbH & Co. KG - M.S. „Vessel“	Ship's Manager:	Vessel's Shipmanagement GmbH & Co. KG
IMO Number:	1111111	GT:	30 000t
Vessel Type:	Container Ship	Capacity:	3000 TEU

Date of Development:	22.08.2011	Developed by:	Vessel's Shipmanagement GmbH & Co. KG
Implementation Period:	From: 01.09.2011 Until: 31.12.2011	Implemented by:	Vessel's Shipmanagement GmbH & Co. KG
Planned Date of Next Evaluation:	01.01.2014		

Created by:	Dpl.-Ing. Max Mastmann Eco-Manager Vessel's Shipmanagement Company	Instructed by:	Capt. Klaus Schroeder Managing Director Vessel's Shipmanagement Company
Date:	22.08.2011	Date:	01.07.2011

Thank you very much for your attention!

Swiss Climate Ltd.

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