



**BERENBERG**

PARTNERSHIP SINCE 1590

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# The European Carbon Trading System and what Owners need to know

Marine Money – Panel Discussion

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# The EU-ETS integrating the maritime sector

## Start of the EU-ETS

Covered only CO<sub>2</sub> from power generators and energy-intensive industries with mostly free allocated allowances.

2005

## Proposal to extend EU-ETS to the Maritime Sector

Start of the 4<sup>th</sup> and final Trading-Period.

2021

2018

## Start of the MRV-Regulation

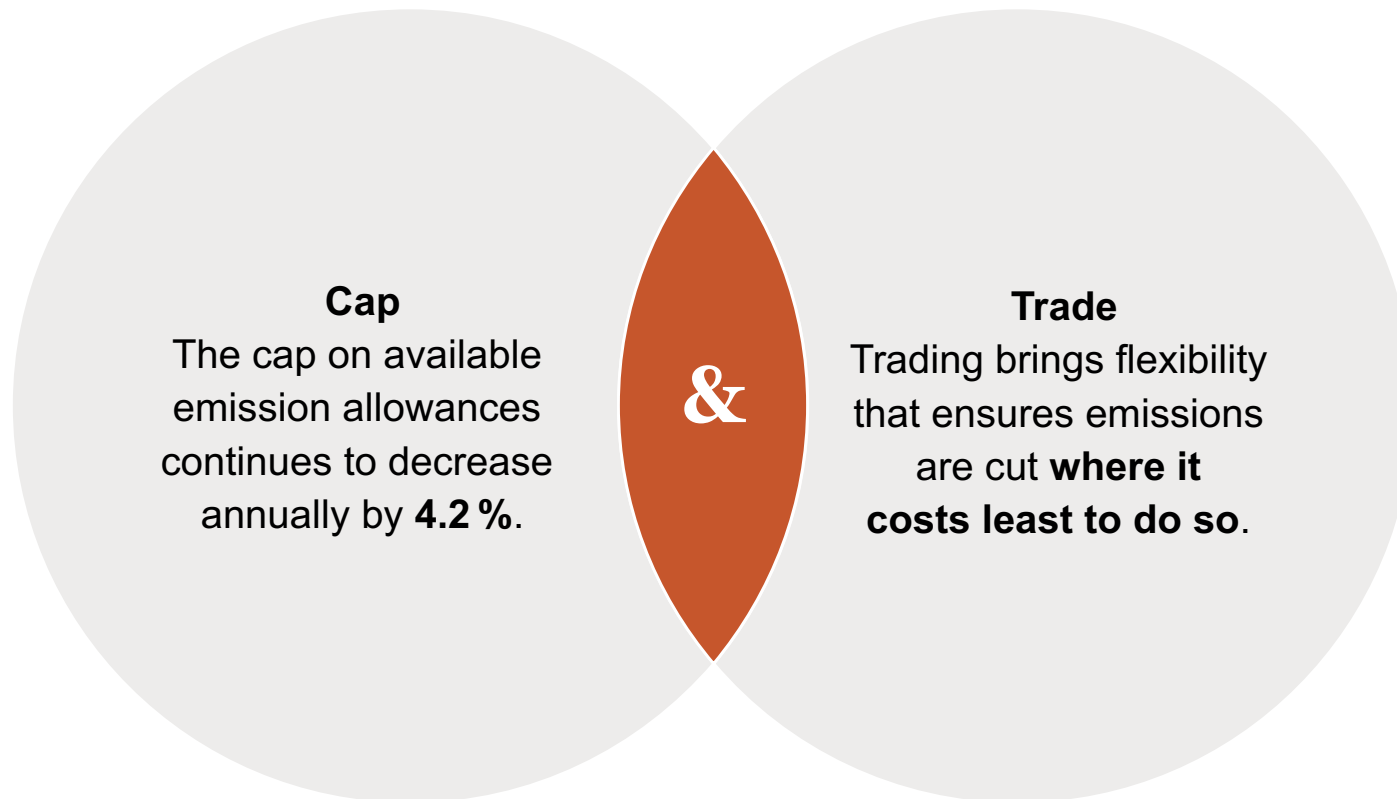
From 2018 shipping owners have to monitor, report and verify carbon emissions of their ships.

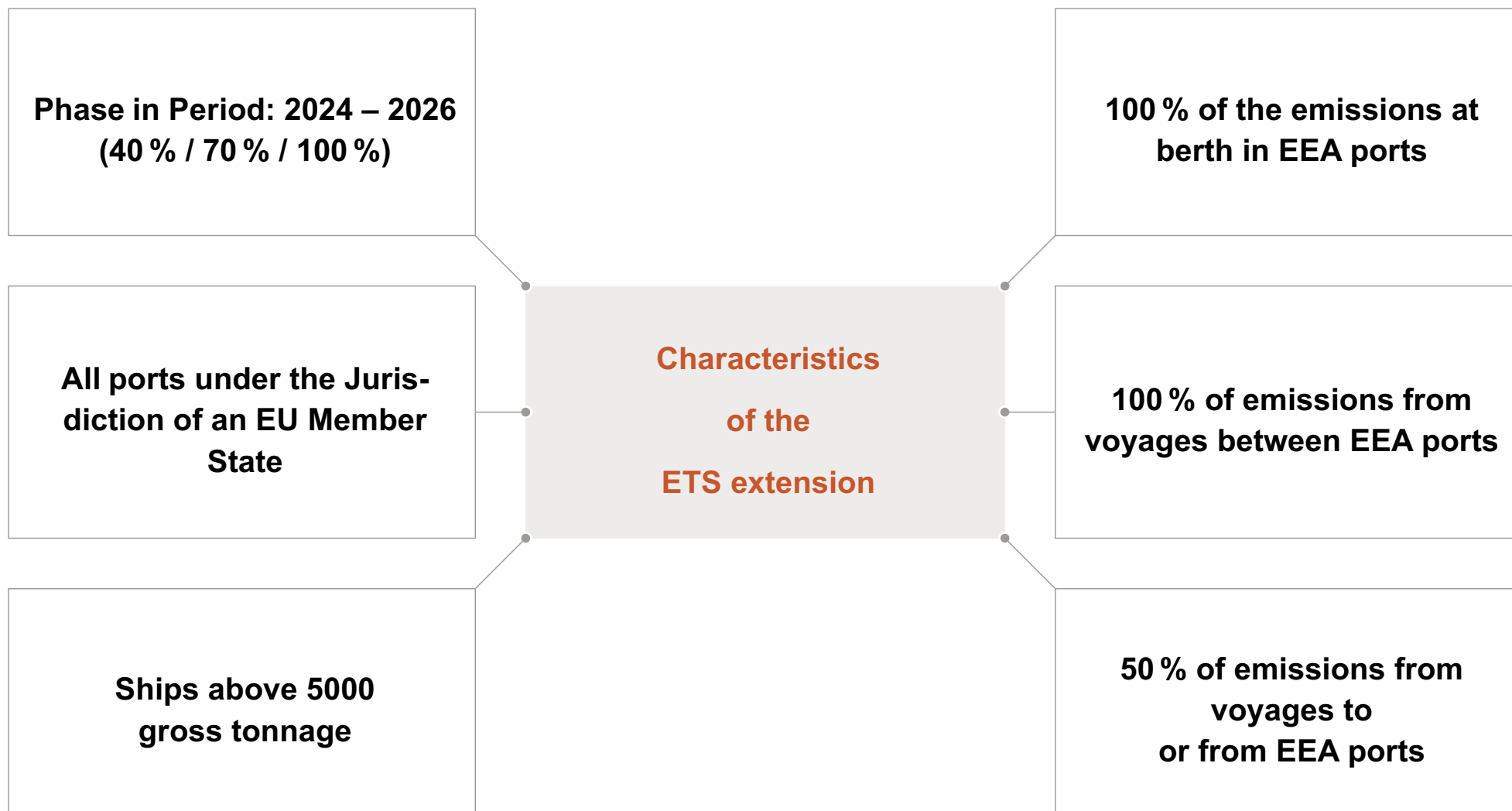
2024

## Start with 40 percent of CO<sub>2</sub> emissions

To be surrendered in 2025.

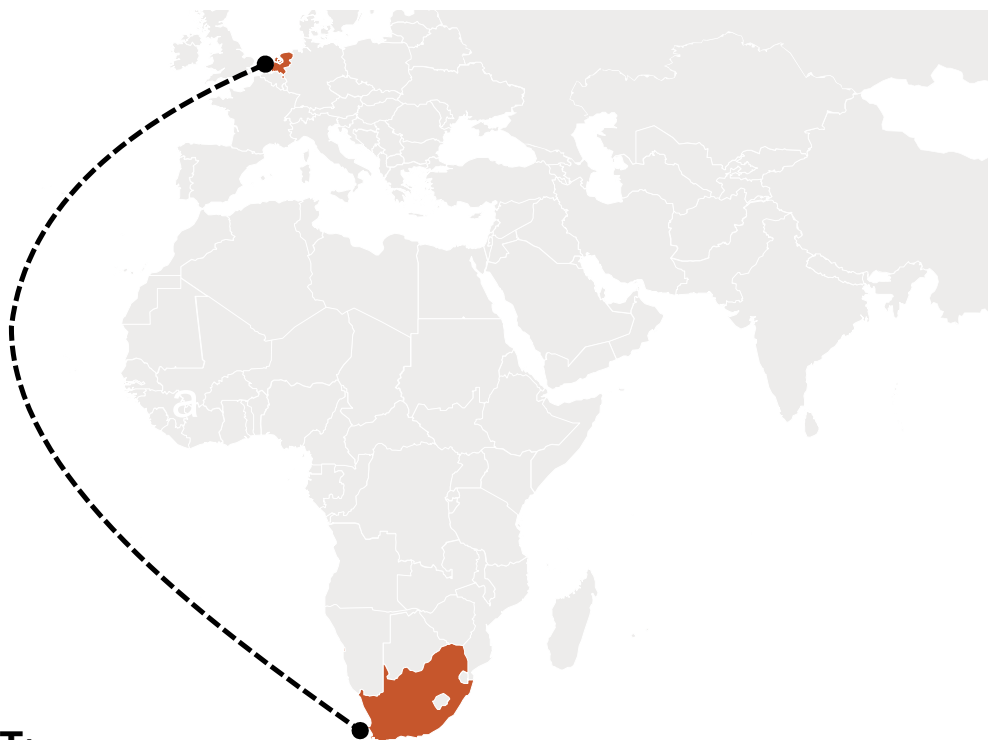
# The fundamental idea of the ETS is Cap & Trade







# Impact on your cost calculations



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## Guideline:

One tonne bunker fuel =  
**approx. 3,15 tonne CO<sub>2</sub>**

Bunker Fuel = **375 EUR/mT**;  
EUA for 3,15 tonne CO<sub>2</sub>  
(spot price) = **261 EUR**

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At the current level, the energy consumption of a ship would cost 70 % more (only 50 % for extra EU voyage).

# Panel Discussion



## **Philipp Niesing**

Managing Director at MPC Containerships since Oct 2018 and in charge for its asset management and regulatory affairs. Additionally he is heading the Marine Decarbonization Solutions team of the MPC group.



## **Matthias Pechmann**

Head of the Commodity Flow Desk of RWE Supply & Trading GmbH.



## **Arne Christian Rahner**

Director at Berenberg and Head of its Finical Markets Division. Oversees all Sales and Trading activities in FX and FI Cash and Derivative products and has a deep background in hedging solutions for corporate treasurers.



## **Andrew Fischer**

Director at Berenberg with more than 25 years of experience in capital markets research. He is covering both the global and pan-European sector as well as carbon and power markets.



# Three things to be ready



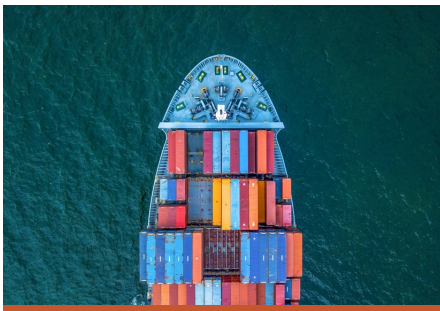
## 1. Increasing cost structure

The expenses for the Carbon Emission Allowances must be included in the cost planning from now on.



## 2. Technical set-up

Your company needs a national emissions trading account to trade emissions allowances. The booking of the allowances takes place from account to account. You can register as a company via the Union Register (DEHSt).



## 3. Business operation structures

Business procedures such as voyage routes, control processes and the like need to be reviewed and adjusted if necessary.