



# Genesis, objectives and structure of the FuelEU Maritime Regulation

Querel Morgane

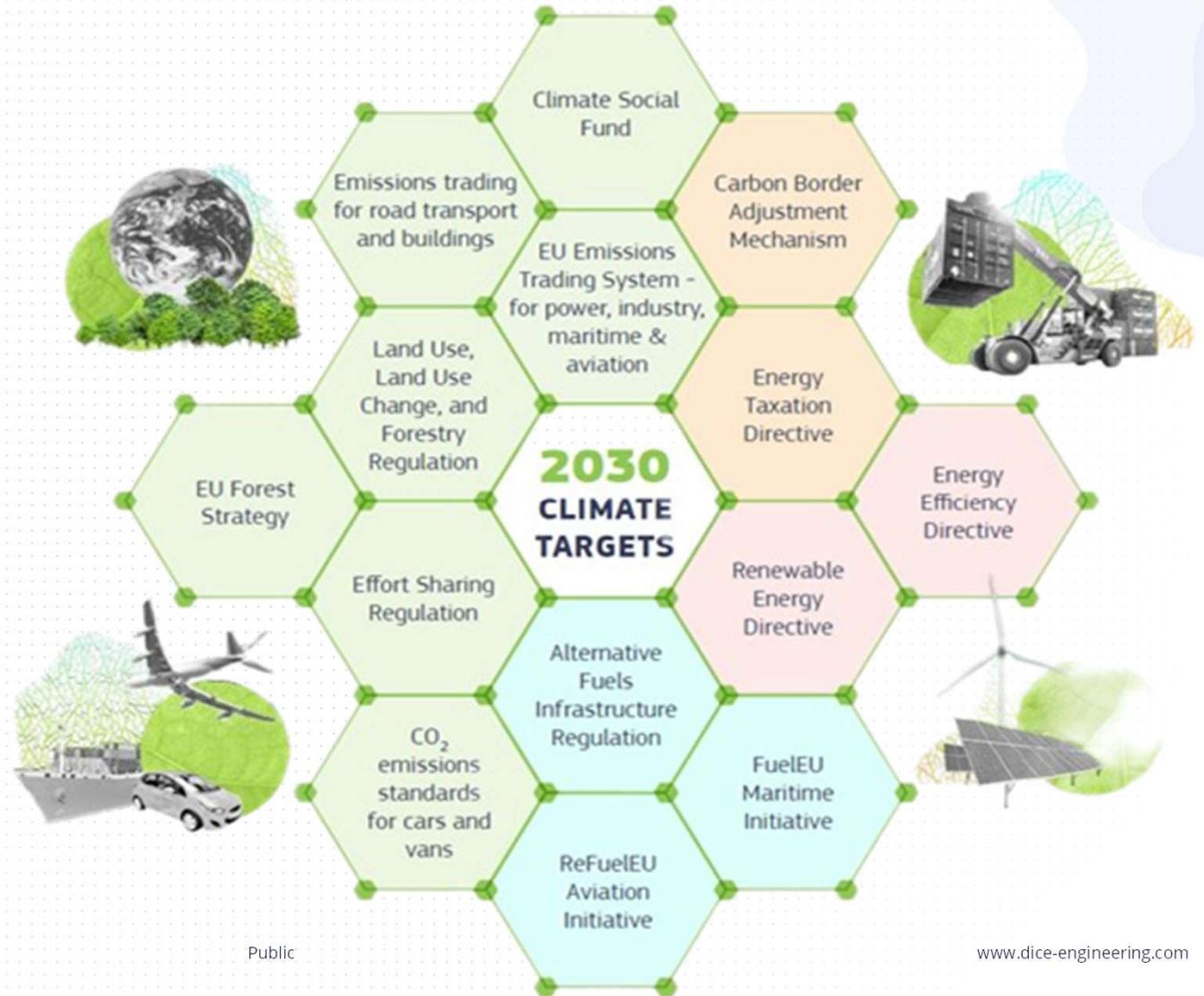
## Context



# Green Deal

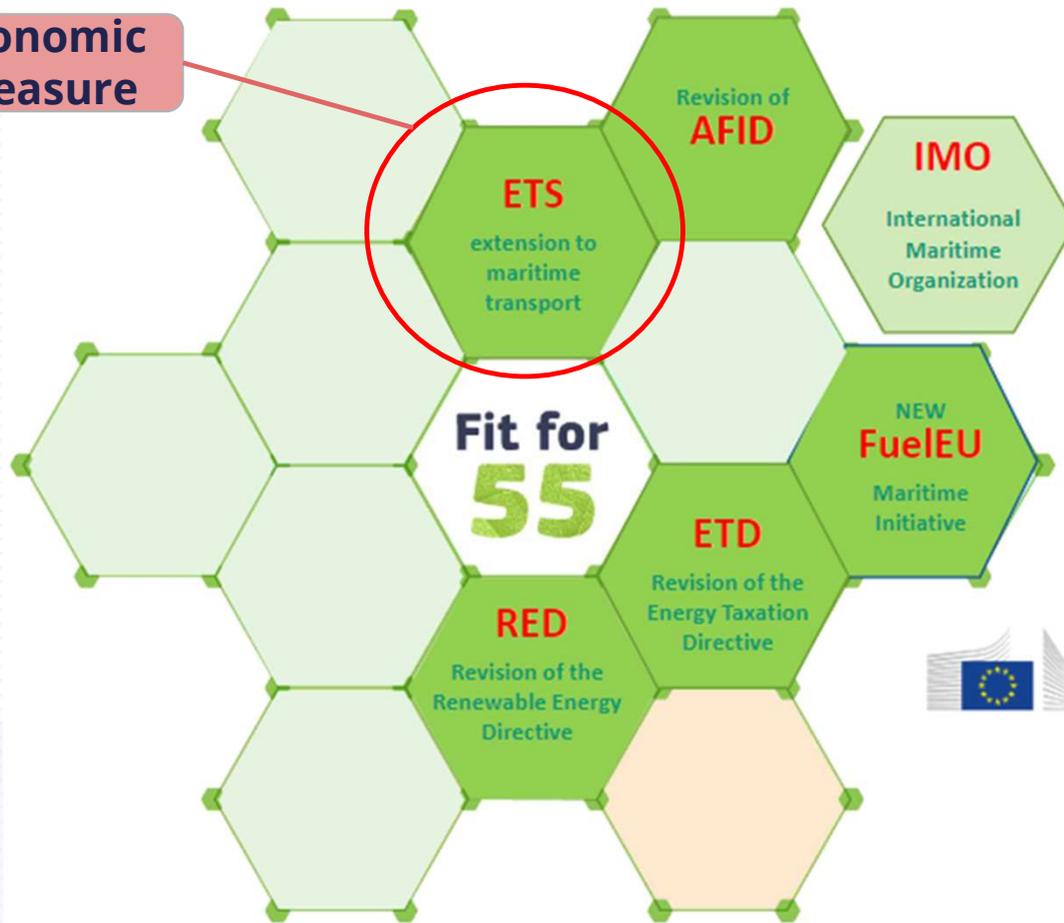
Reduction of GHG emissions by 50-55% by 2030

Carbon neutrality by 2050





Economic  
measure



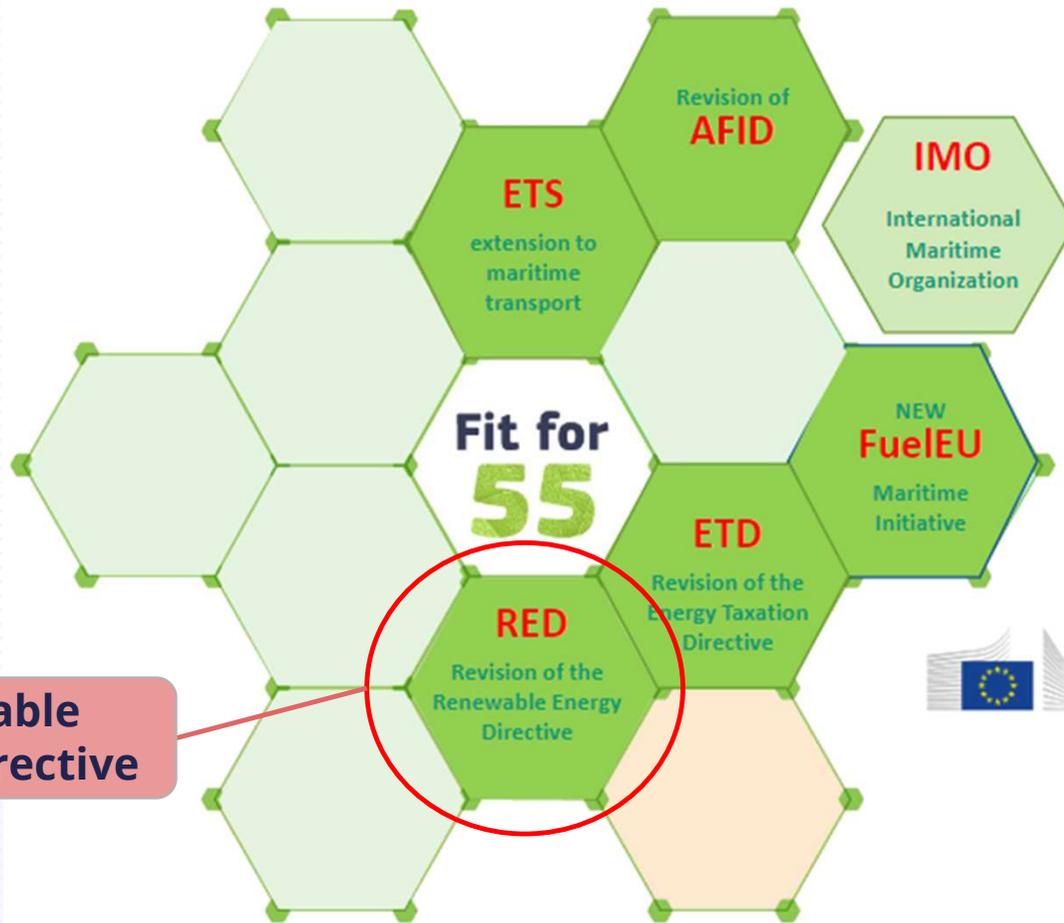
MARITIME



# Alternative Fuels Infrastructures Regulation



MARITIME



## MARITIME

**Renewable Energy Directive**

## Regulation (EU) 2023/1805 - FuelEU Maritime Regulation

“[...] sets maximum limits for the yearly average greenhouse gas (GHG) intensity of the energy used by ships above 5,000 gross tonnage calling at European ports, regardless of their flag [...]”

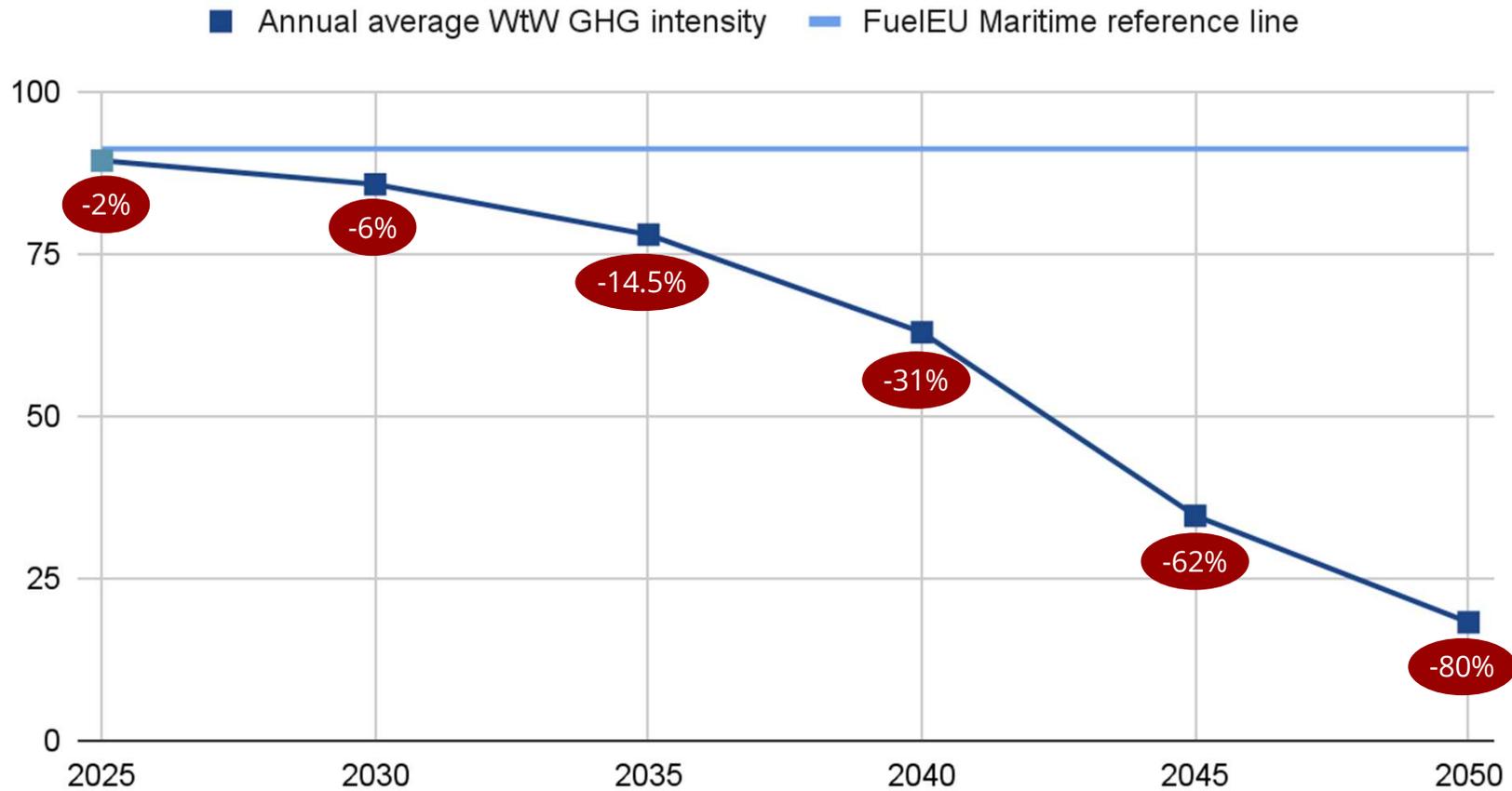
On-shore  
Power Supply



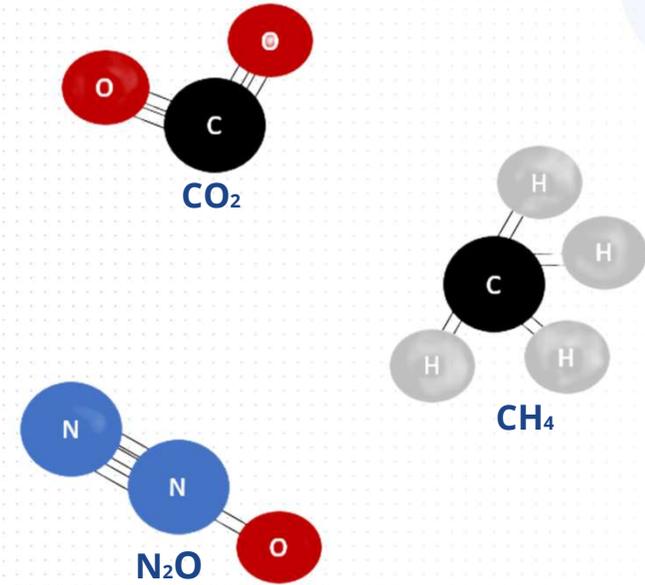
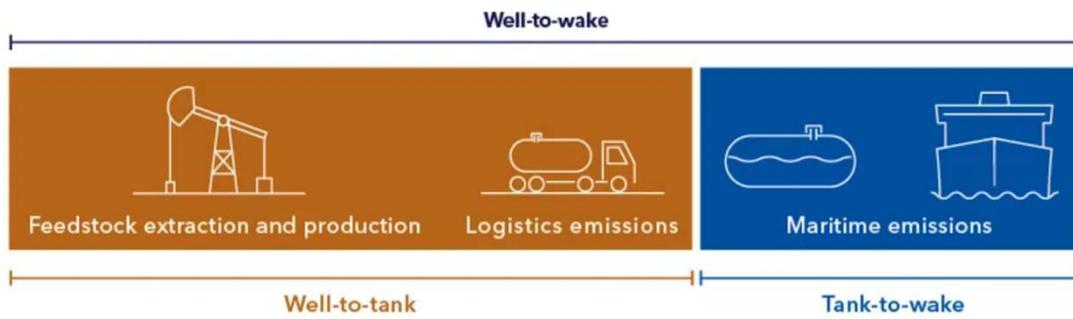
# FuelMaritime principles & scopes



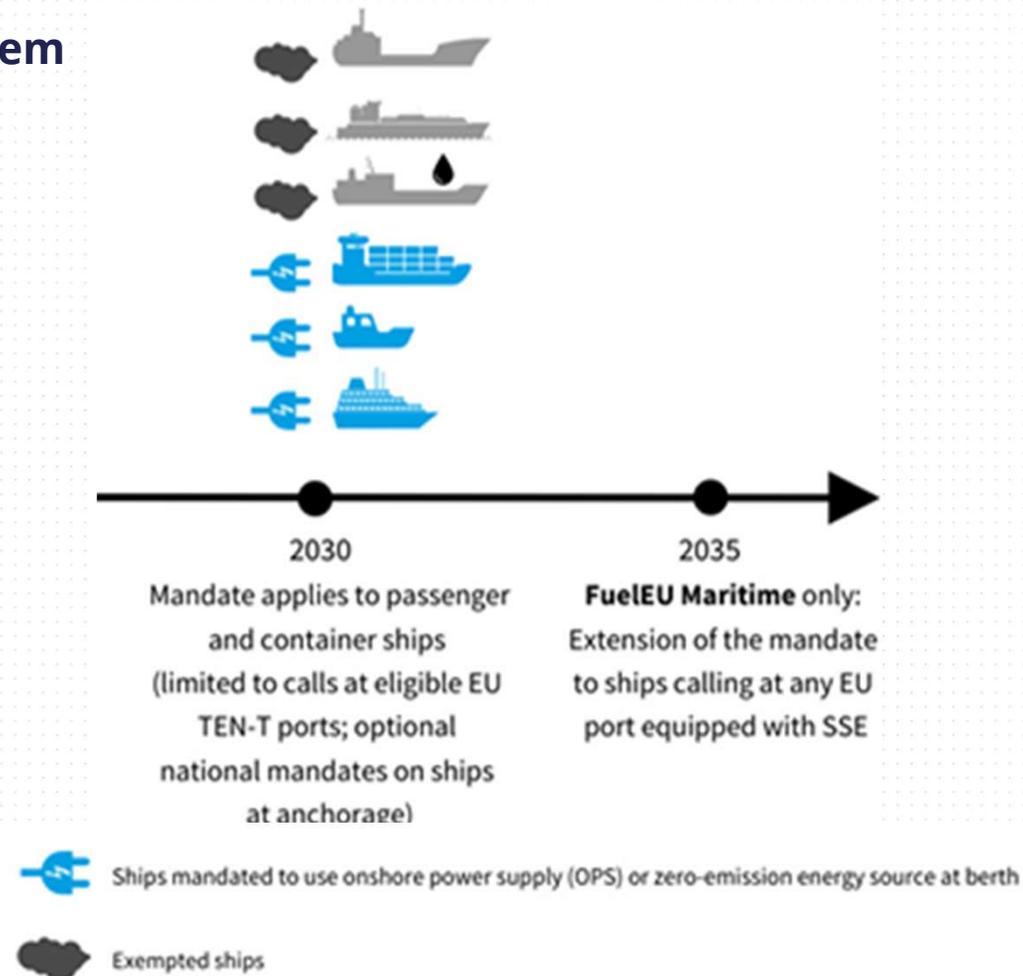
## FuelEU Maritime reduction targets



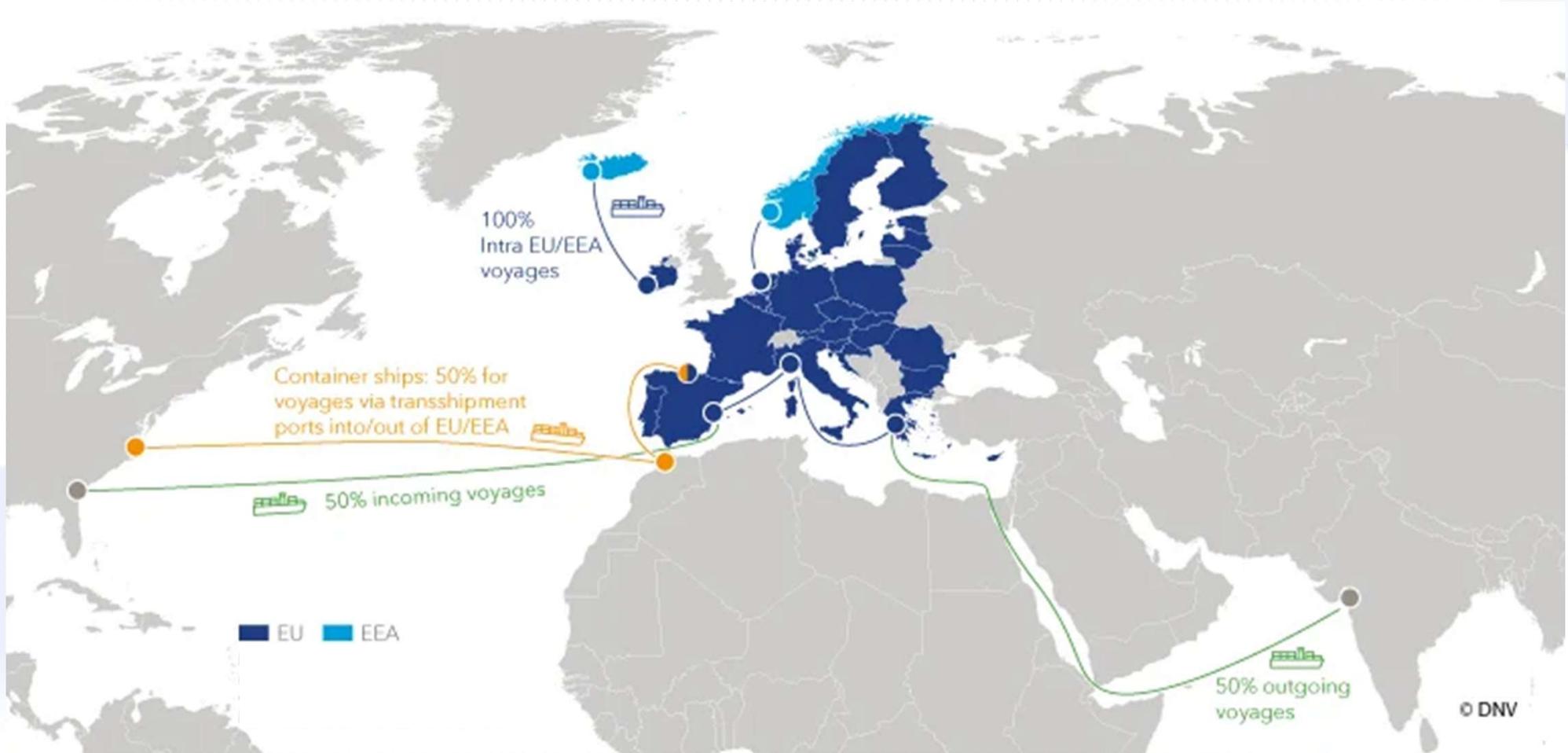
## GHG included



## OPS - Onshore Power system



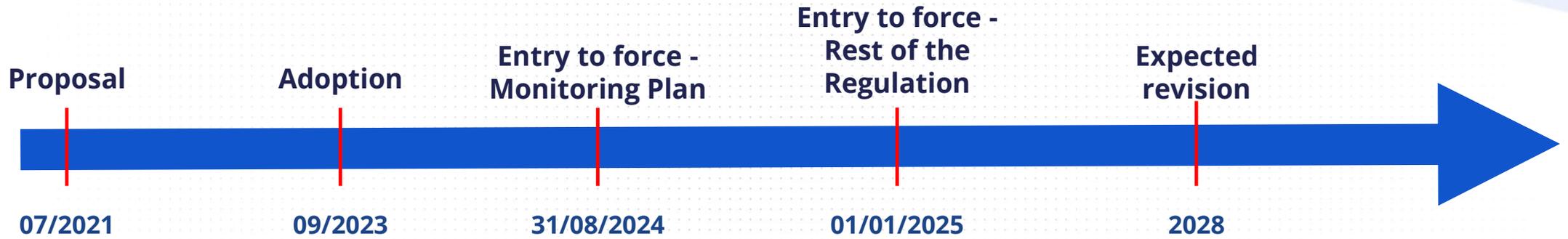
## Voyages covered



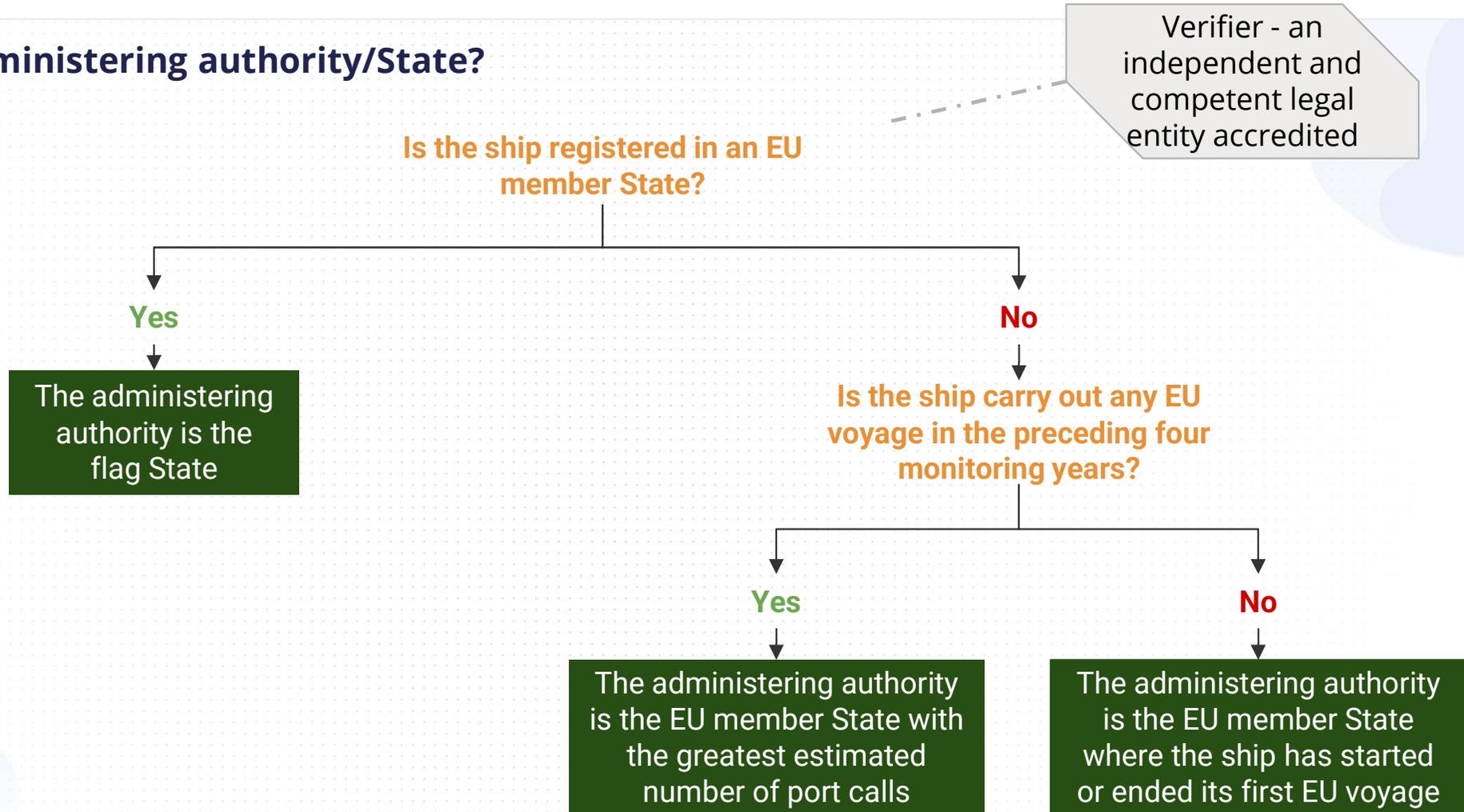


## Ship application

## Calendar



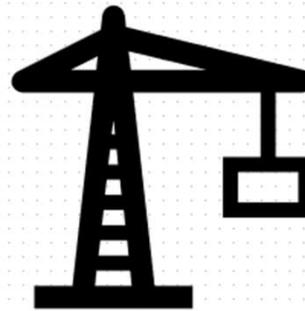
## Who is the administering authority/State?



## Port call definitions (1/3)

Where ships stop to load or unload cargo or to embark or disembark passengers

Refuelling, obtaining supplies, relieving the crew, going into dry-dock, making repairs



Ship-to-ship transfers carried out outside ports

Distress, taking shelter from adverse weather, rendered necessary by search and rescue

## Port call definitions (2/3)

“[...] neighbouring container **transshipment port** where the share of transshipment of containers, measured in 20 foot equivalent units, exceeds 65 % of the total container traffic of that port during the most recent 12 month period for which relevant data are available and where that port is located outside the Union but less than 300 nautical miles from a port under the jurisdiction of a Member State [...]”



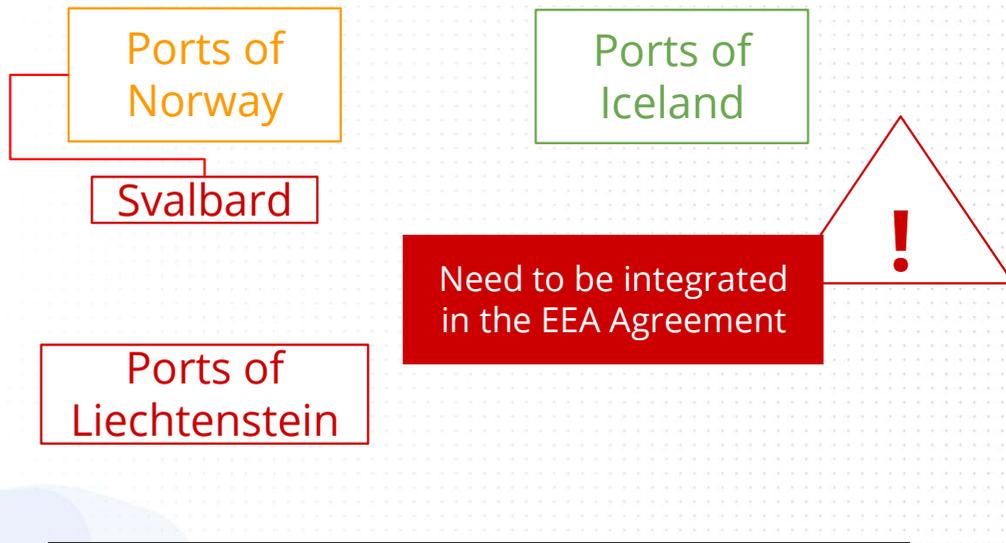
**East Port Said**



**Tangier Med**

## Port call definitions (3/3)

### European Economic Area (EEA) ports

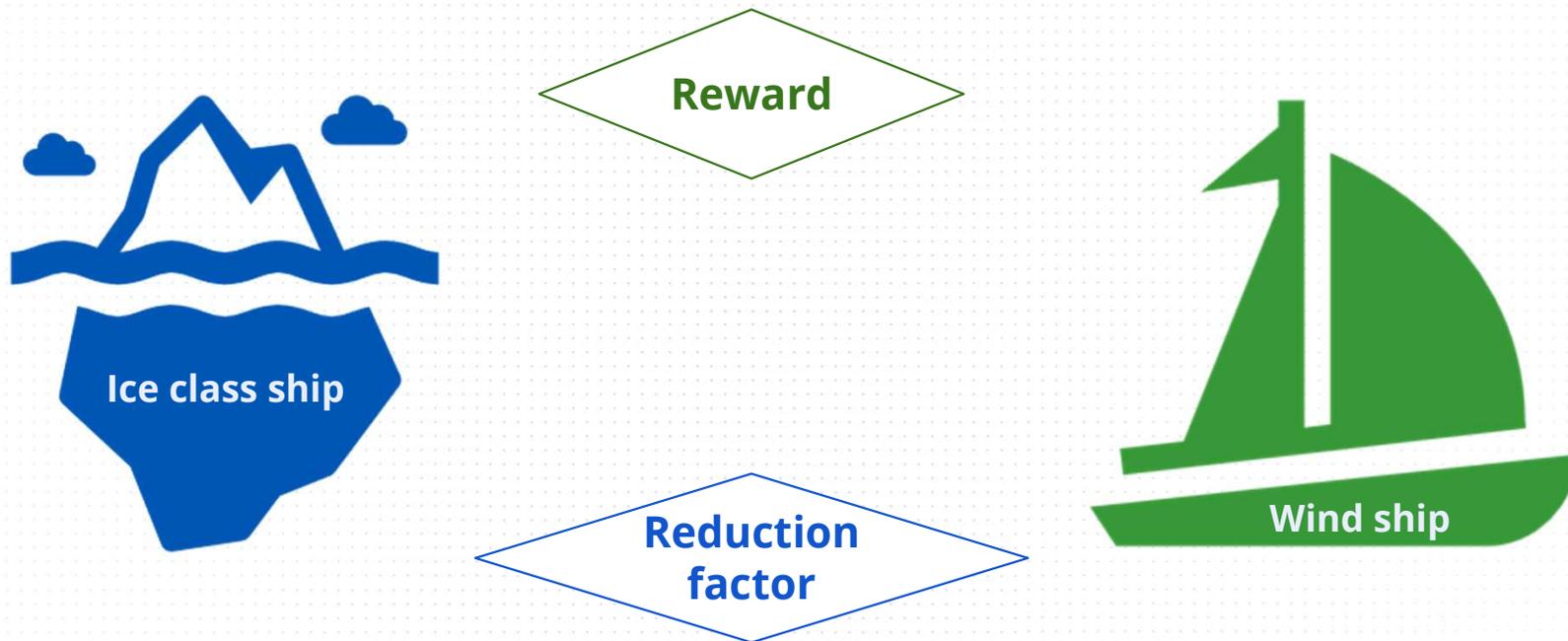


**Islands of member States which have fewer than 200 000 permanent residents < 2030**

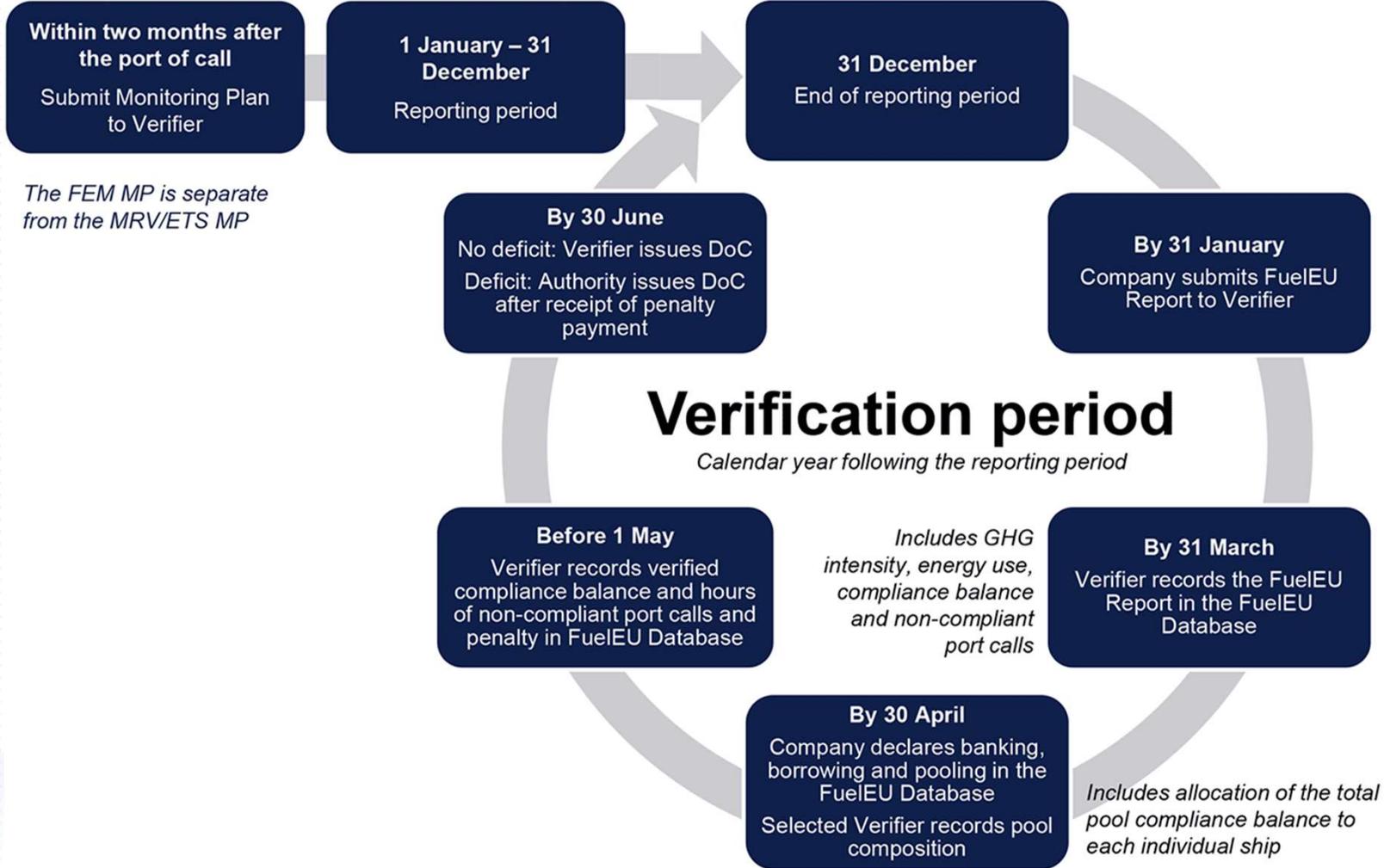
### EU Ports outside of the definition < 2030

States	Overseas Countries and Territories (OCT)	Outermost region
Danemark	Greenland	NA
France	- French polynesia - French southern and Antarctic territories - New caledonia - Saint Barthélemy - Saint Pierre and Miquelon - Wallis and Futuna	- French Guyana - Guadeloupe - Martinique - Mayotte - Reunion - Saint Martin
The Neverlands	- Aruba - Bonaire - Curaçao - Saba - Sint Eustatius - Sint Maarten	NA
Portugal	- Azores - Madeira	NA
Spain	- Canary Island	NA

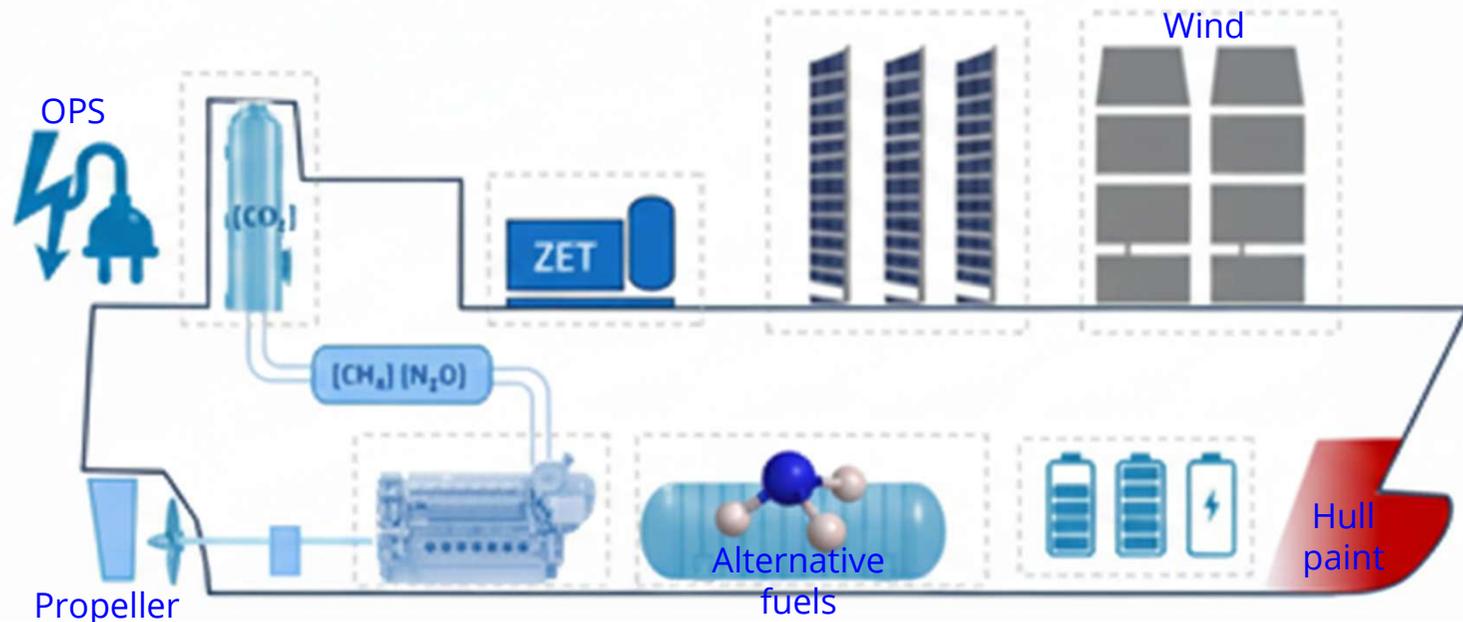
## Specific ship calculations



# Compliance mechanisms & calendar



## Technologies for compliance with FuelEU Maritime



Ministère de la transition écologique, de la biodiversité, de la forêt, de la mer et de la pêche

## Borrow & Banking

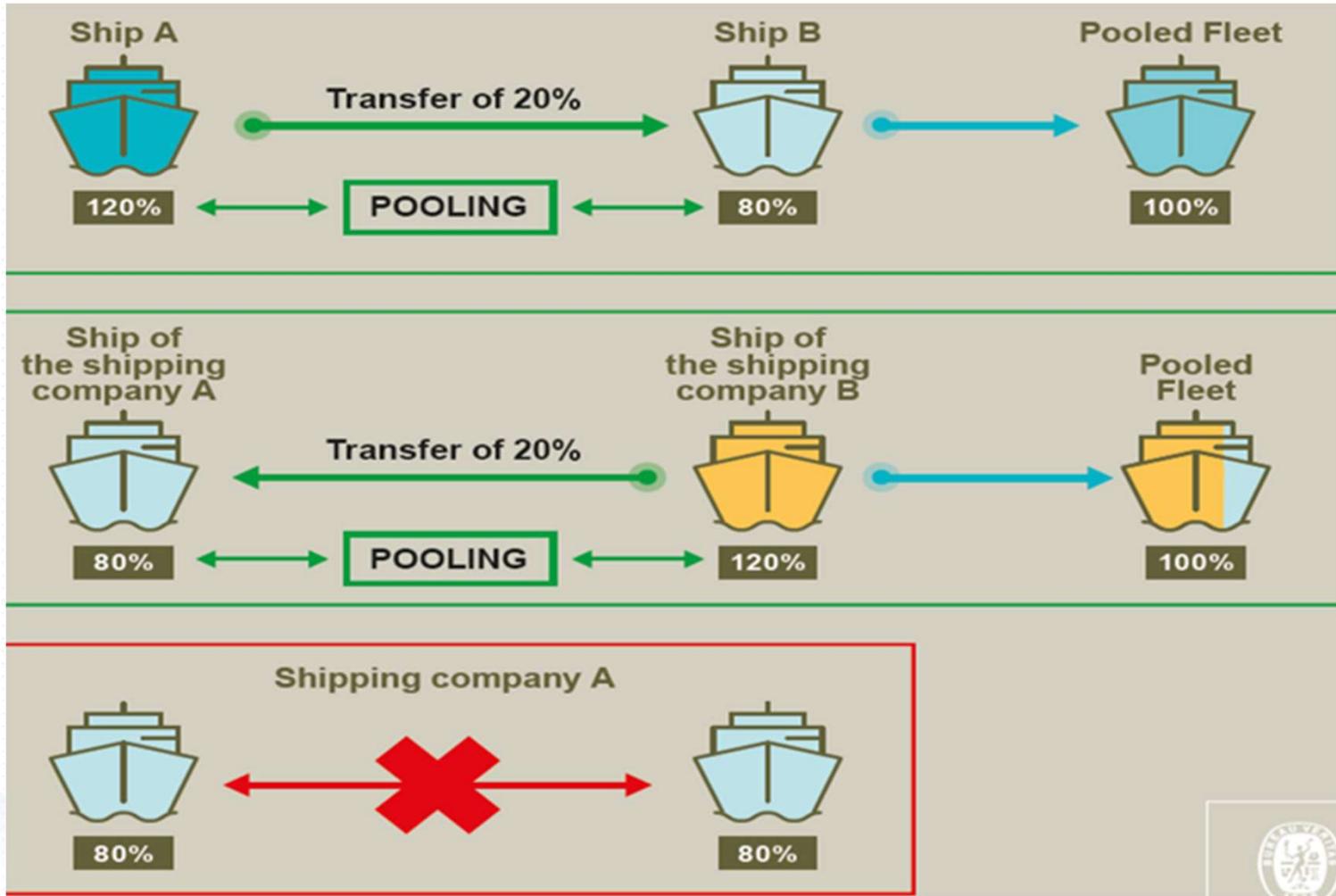
Year N	Year N+1	Year N+2
		
CB(N)>0	CB(N+1)>0	CB>0
Banked Surplus (a) ↓	Banked Surplus (a)+(b) ↓	Use Banked Surplus (a)+(b) ↑

CB - Compliance Balance  
 (a) - Compliance Surplus for Year N  
 (b) - Compliance Surplus for Year N+1

Ministère de la transition écologique, de la biodiversité, de la forêt, de la mer et de la pêche

		
CB = (A) < 0	CB + (A) = 0	CB - 1,1x(A) ≥ 0
Deficit = (A) Ship non compliant	Advance compliance surplus = (A)	Aggravated

# Pooling



## Sanctions (1/2)

Absolute value of the compliance balance

Amount to be paid per equivalent metric ton of VLSFO

Possibility to transfer the cost to another entity

$$\frac{|\text{Compliance Balance}|^{\text{gCO}_2\text{e}}}{\text{GHGIE}_{\text{actual}}^{\text{gCO}_2\text{e}/\text{MJ}} \times 41\,000^{\text{MJ}/\text{MT VLSFO}}} \times 2\,400^{\text{€}/\text{MT VLSFO}}$$

Yearly average of the GHG intensity of the energy used on-board a ship calculated for the reporting period

1 metric ton of VLSFO

Expulsion order after two years of non compliance

## Sanctions (2/2)

**Total electrical power demand of the ship at berth**

**X**

**Total number hours rounded up to the nearest whole hour**

**X**

**1.5 €**

Possibility to  
transfer the cost  
to another entity

Expulsion order  
after two years of  
non compliance

Thank you for  
your attention

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