

IWT PREPARATION FOR ETS



ETA 61st Annual Meeting
Helsingør, 11-14 June
Hosted by Svitzer

Dirk Degroote
Juni, 13th 2024



IWT IN ETS?



Verduurzamingsopties voor de binnenvaart

INTRODUCTIE

Diese factsheets zijn ontwikkeld in opdracht van Topsector Logistiek, met als doel om de kennis van de binnenvaart te verbeteren en de innovatie te stimuleren. De factsheets zijn bedoeld voor de binnenvaartsector en de overheid.

FACTSHEETS

- Factsheet 1: Afdelingen vervoerorganisatie
- Factsheet 2: Inzet van technologie
- Factsheet 3: Inzet van technologie
- Factsheet 4: Inzet van technologie
- Factsheet 5: Inzet van technologie
- Factsheet 6: Inzet van technologie
- Factsheet 7: Inzet van technologie
- Factsheet 8: Inzet van technologie
- Factsheet 9: Inzet van technologie
- Factsheet 10: Inzet van technologie

Topsector Logistiek COGNAUSHIP

IWT INITIATIVES

RESEARCH ON CURRENT BUSINESS

- Fleet composition
- Multiple measurement programs
- Technology scans

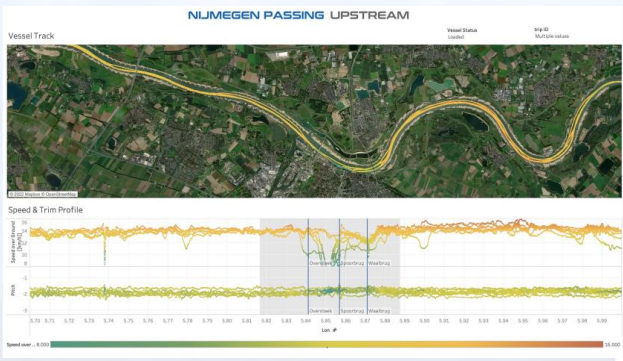
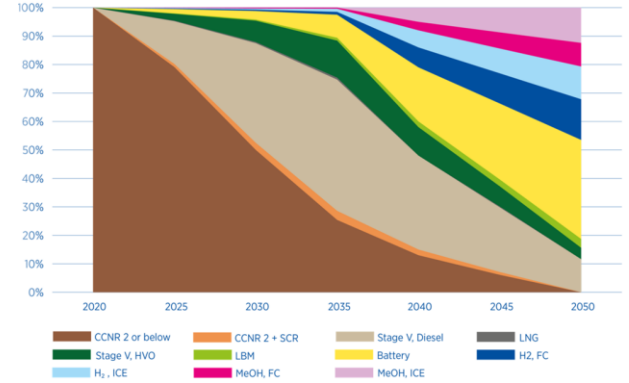


TECHNOLOGY PILOTS

- Battery electric
- Hydrogen

POLICY STUDY

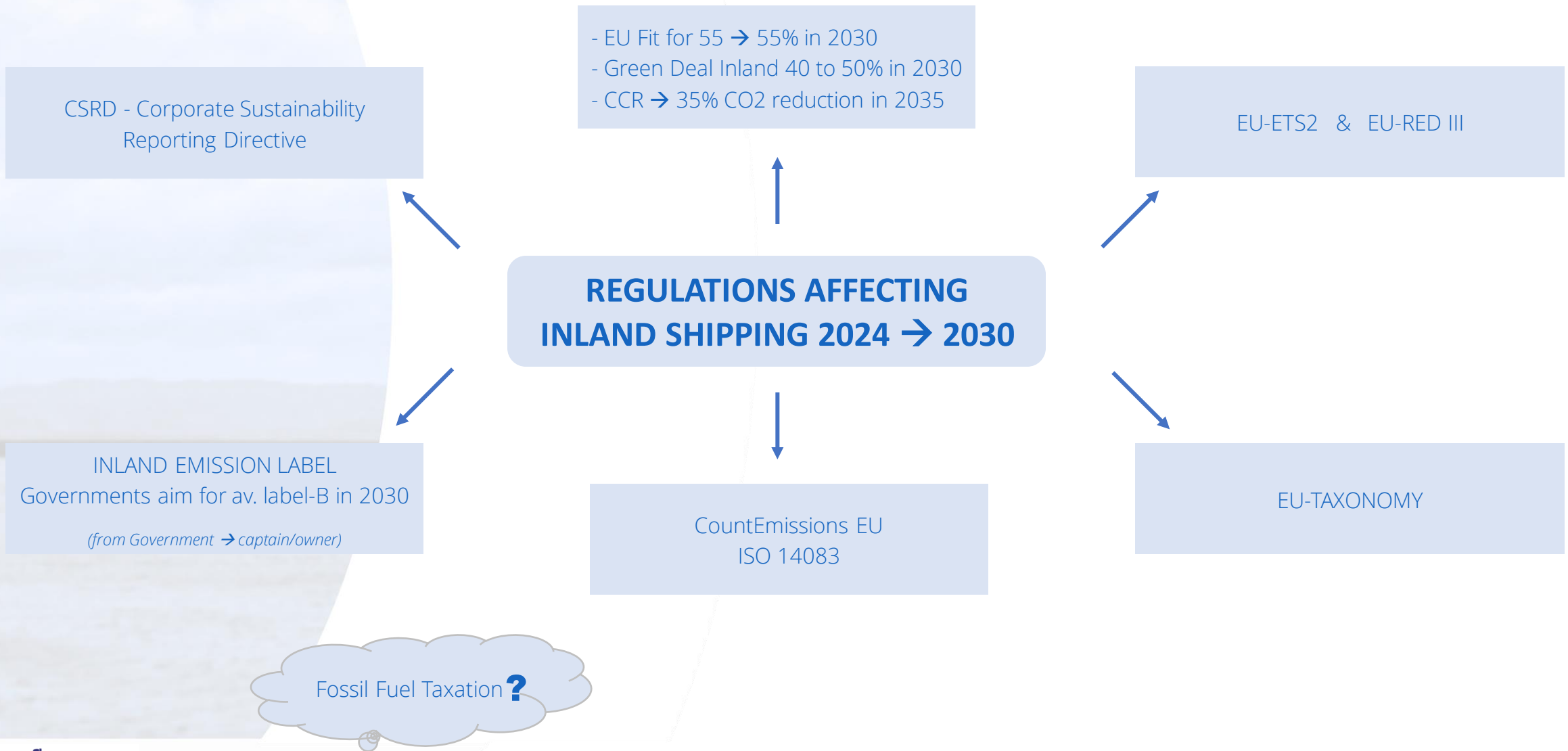
- Policy impact assessments
- Emission label system
- Roadmaps
- Subsidies



LIMITED UPTAKE DUE TO LACK OF BUSINESS CASE

→ Enforce system to leverage costs of sustainable solutions

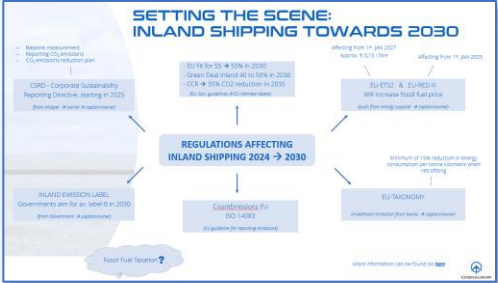
INLAND SHIPPING TOWARDS 2030



NEAR FUTURE PREDICTION



CONSEQUENCES & PROFITABILITY



FUTURE CONSEQUENCES

- Fuel cost increase
- Emission cost increase
- Forced emission reporting
- Forced emission reduction

DILEMMAS

COSTS OF ZE TECH & FUEL

&

AVAILABILITY OF ZE TECH & FUEL

SECURE COMPETITIVENESS TOWARDS 2030 -'40

- Reduce energy consumption
- Quantify emission reduction
- Gap Analysis
- Fuel blending or technology choice

Ensure Profitability & Competitiveness in transition phase



COMPETITIVENESS IN TRANSITION

Business as usual



CO₂ reduction through HVO blending



Zero Emission Vessel
H₂ – MeHo – (Battery)



Reduction in CO₂/ton.km
through optimization

