



NAPOLI 24 - 29 SETTEMBRE 2018



GREEN SHIPPING SUMMIT

Innovazioni tecnologiche, best practices organizzative e nuovi carburanti per l'efficienza energetica ed ambientale del trasporto marittimo e dei porti

Chairman: UMBERTO D'AMATO

**Napoli, Stazione Marittima – Sala Dione
27 Settembre 2018**

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➤ **One of the first conditions of happiness is that the link between man and nature shall not be broken.**

(Leo Tolstoy, Russian writer)

➤ **Environmentally friendly cars will soon cease to be an option ... they will become a necessity.**

(Fujio Cho, Honorary Chairman of Toyota Motor)

➤ **Environmental pollution is an incurable disease. It can only be prevented.**

(Barry Commoner, American biologist and politician)



SERIE A TIM

GENOA



#GENTE di MARE | #MOND



FRIENDS FOREVER











*Ci sono posti dove ci vai una volta sola e
ti basta.*

....e poi c'è Napoli

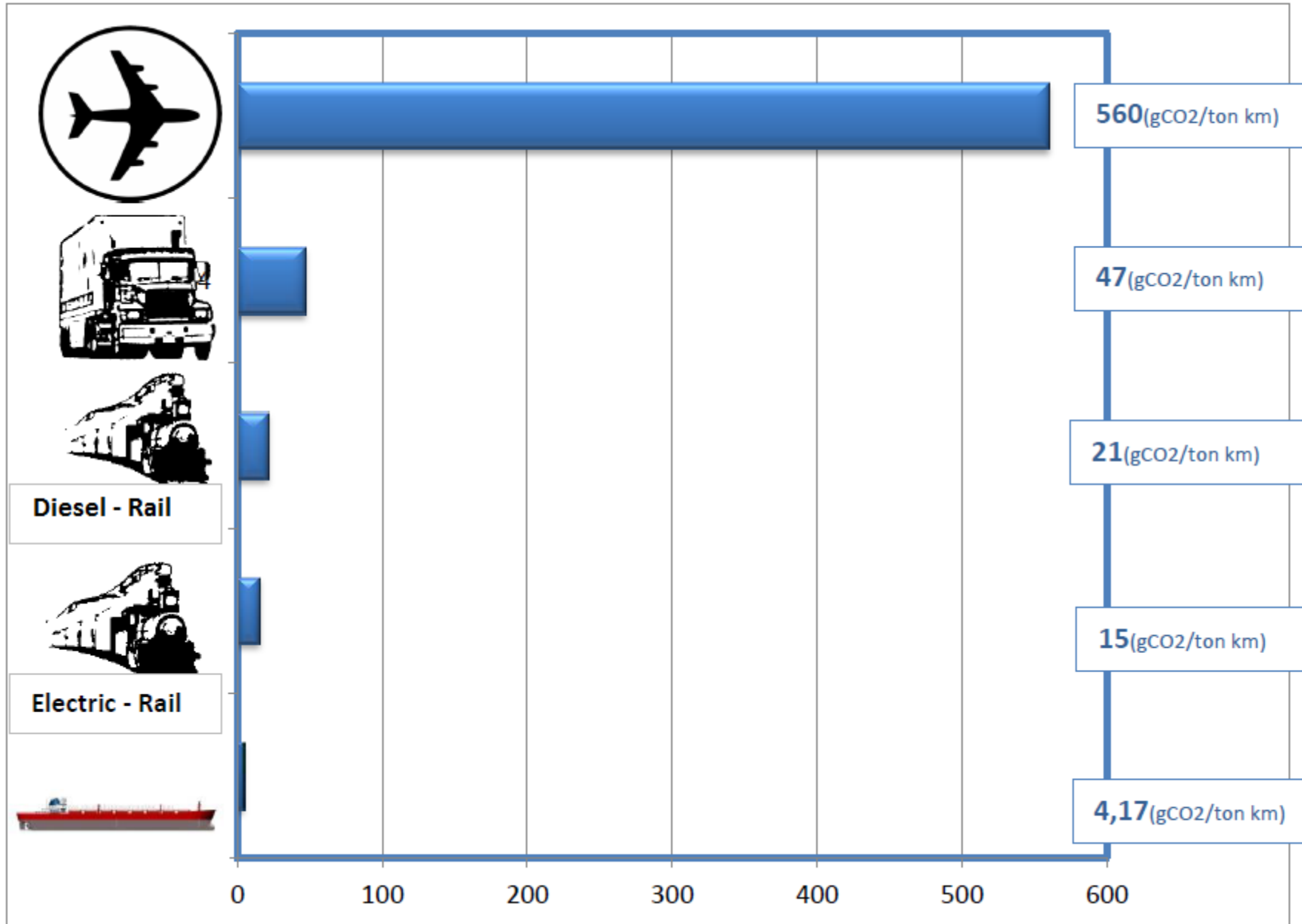
John Turturro

*Arrivando a Genova vedrai una città
imperiosa,
coronata da aspre montagne,
superba per uomini e per mura,
signora del mare.*

Francesco Petrarca



COMPARISON OF CO2 EMISSIONS BY DIFFERENT TRANSPORT MODES



However, according to EU GHG emission from shipping is 4% of the EU GHG emissions

....but expected to increase significantly in the future

Source: NTM (Swedish Network for Transport and Environment)

Enviromental Regulations



IMO Worldmap for ECA's (Emission Control Areas)



REGULATIONS TIMELINE

	2017		2018			2019		2020			2021		2022	2023	2024	2025
	1 Jan. 2017	8 Sept. 2017	1 Jan. 2018	1 July 2018	31 Dec. 2018	1 Jan. 2019	1 July 2019	1 Jan. 2020	1 July 2020	31 Dec. 2020	1 Jan. 2021	1 July 2021				
NOx											Baltic Sea and the North Sea ECA					
SOx								Sulphur content ≤ 0.5% m/m								
CO2	EEDI Phase 1							EEDI Phase 2							EEDI Phase 3	
					SEEMP Part II for ships of GT ≥5000	From 1 Jan. 2019, IMO DCS (Collection of data)		From 2020, by 31 March IMO DCS (reporting)								
			Adoption of IMO GHG Strategy					From 2020, IMO DCS (verification)								
Other Regulations	IGF Code	BWM Conv. Entry into force	From 1 Jan. 2018 EU MRV (monitoring)	EU Ship Recycling Application	30 April EU MRV (reporting)											
	Polar Code			BWM Conv. application to new ships	GT ≥500 going for recycling to be sent to facilities	From 2019, by 30 June EU MRV (verification)										
				New EU ships to carry an IHM												
											All EU ships and all ships calling at EU ports to carry IHM					

Future Legislation (currently under discussion at IMO)

- Black carbon (Arctic emissions)
- Technical measures to address IMO GHG Strategy (e.g. EEDI, MBM)
- Requirements for fuel cells
- Requirements ships using methyl/ethyl alcohol as fuel

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- **MANUELA TOMASSINI**, Head of Department B – Safety & Standards, **EMSA**
- **ALBERTO POCHIERO**, Regional Technical Manager, South East Mediterranean, **ABB**
- **JUKKA KUUSKOSKI**, SVP, Sales and Marketing, **Norsepower Oy Ltd**
- **PIERGIORGIO FABBI**, Sales Manager Marine Division International Paint, **Akzo Nobel**
- **GIOVANNI CUSANO**, Head of Monitoring Systems B.U., **CETENA**

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- **TILL BRAUN**, Market Development Manager, **DNV GL**
- **MATTEO NATALI, GM**, Digital Business Incubation, Digital Marine Solution, **Wärtsilä**
- **DAVIDE IPPOLITO**, Group Product Manager, Marine, **Hempel**
- **MARTE TYLDUM**, Deputy Vice President, Intelligent Asset Management, **Rolls-Royce Marine**
- **ANNA COLMANO**, Senior Associate, **Simmons & Simmons**



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TAVOLA ROTONDA CON LE COMPAGNIE DI NAVIGAZIONE

**FABIO FARAONE, Responsabile Tecnica
Navale, Sicurezza e Ambiente - Confitarma**

**ENRICO ALLIERI, New Buildings-
Conversions-Engineering
Department, Assarmatori**

FRANCESCO BELLUSCI, Managing Director, Scorpio Group



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GRAZIE A TUTTI !