

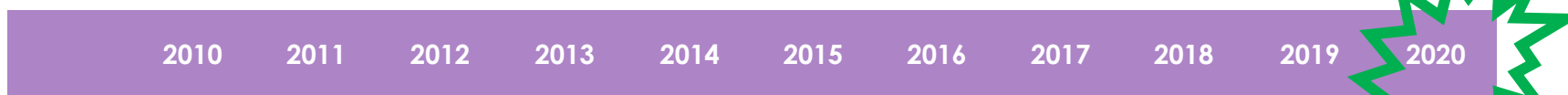
European Shipping Reaction on New Regulations and Relative Incentives

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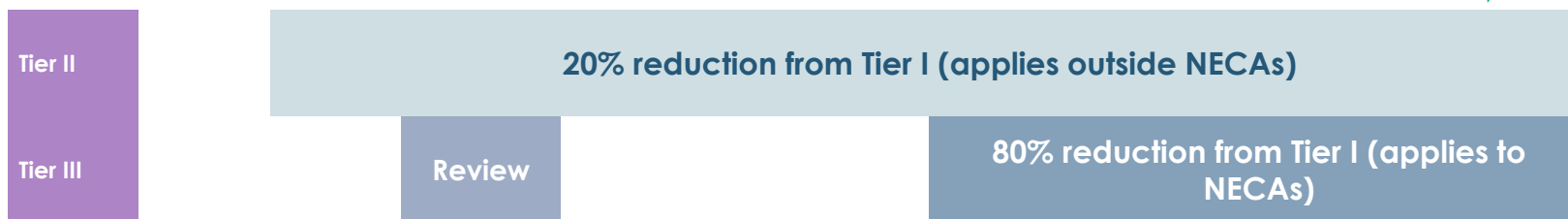
30 May 2018
Benaki Museum of Greek Culture,
Athens



Current State of Emissions Regulations for Shipping

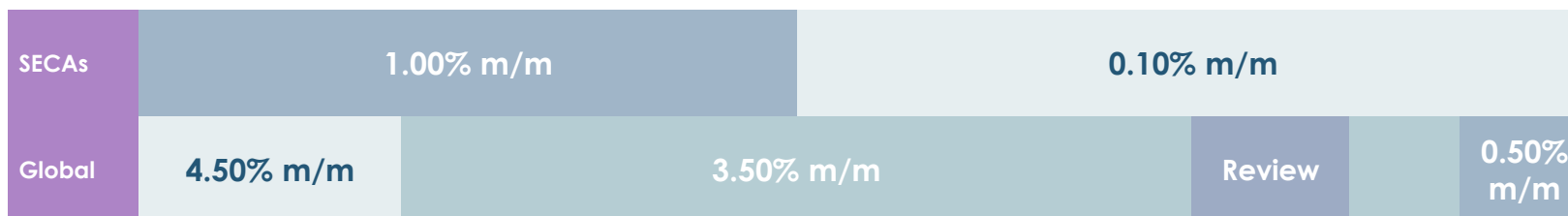


IMO MARPOL Regulation 13 - Nitrogen Oxides (NOx) limits



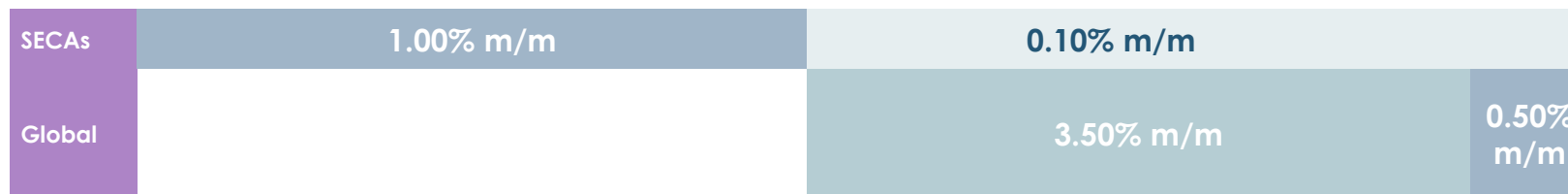
+ CO2 trading schemes

IMO MARPOL Regulation 14 – Sulphur Oxides (SOx) limits



+ pm regulation

Directive 2012/33/EC – Sulphur Oxides (SOx) limits





EU Tools for Alternative Fuels Investments

- › **Horizon 2020** – **€3.3 billion** of funding available over 2018-2020 for market deployment of innovative ideas in a wide number of areas.
- › **Connecting Europe Facility (CEF) Transport** – **€22.4 billion** of funding available for infrastructure investments at European level.
- › **European Fund for Strategic Investments (EFSI)** – aims at mobilizing at least **€500 billion for 2020** in projects which are strategically important for the EU.
- › **European Structural and Investment Funds (ESIF)** – **€114 billion** available for investments in climate change mitigation and adaptation.

*A wide number of **EU funding tools** for Transport & Maritime (in particular).*

2018 CEF Transport call opened on **17 May 2018**, with indicative budget of **€450 million**, to cover funding objectives and priorities supporting the policy orientations of the upcoming **3rd Clean Mobility Package**, to be adopted in May 2018.



EU Tools for Alternative Fuels Investments

Green Shipping Guarantee (GSG) Programme – an EIB and CEF Blended tool

- › Used for overcoming existing barriers for commercial banks to finance the **introduction of green technologies** required to meet international and EU environmental regulations.
- › Supports **senior debt** and **issuing of guarantees**.
- › **GSG** is a follow-up to the work of the European Sustainable Shipping Forum (ESSF).
- › **€ 750 million** – € 250 million supported by CEF & € 500 million by EFSI.
- › For **green and sustainable shipping investments** eligible under CEF horizontal priorities and EIB transport lending policy with significant European interest.
- › **Up to 50%** for general fleet renewal & **up to 100%** for retrofitting ships with sustainable technologies.
- › **Société Générale, ABN AMRO** and **ING** have developed a Framework Agreement with EIB.



EU Tools for Alternative Fuels Investments

Green Shipping Guarantee (GSG) Programme – an EIB and CEF Blended tool

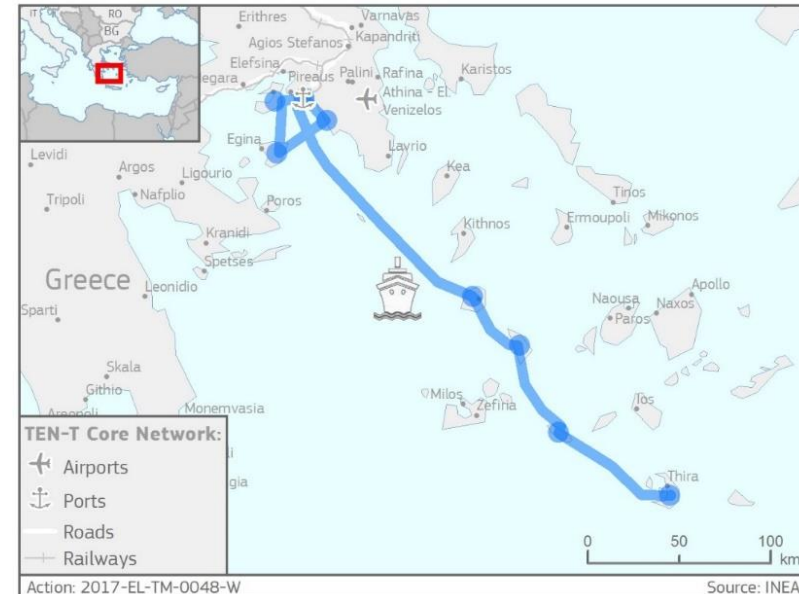
- › The entity acting as the borrower must be established in an EU Member-State.
- › Regarding the guaranteed rates, when 50% of vessel's calls are performed at European ports then the investment qualifies for the direct lending/guarantees scheme covering a 50% of the green compliance CAPEX. Respectively, when 20% of vessel's calls are performed at European ports then the investment qualifies for the direct lending/guarantees scheme covering a 20% of the green compliance CAPEX.
- › It should be noted that the vessel calls include all maritime operations, such as loading/ unloading, crew exchange, bunkering, supplies, maintenance, etc.
- › An investment with significant EU added value (EU flag, EU equipment, EU shipyards, EU designers, etc.) is preferable, but not required.



Example of Successful Case in the Region

SuperGreen (SG) Action - 20% funding by 2017 CEF Transport Blending Call 1st cut-off

1. Construction of three All-Electric Vessels;
2. Construction of one Hybrid (LNG/Electric) Catamaran Vessel;
3. Supply of four Electric Buses to facilitate the transport needed of the users of the electric vessels and the Hybrid Catamaran Vessel;
4. Supply of required LNG Bunkering & Battery Charging means, based in Piraeus Port;
5. Development of IT platform providing services to the users of the transport means supported by the Action.

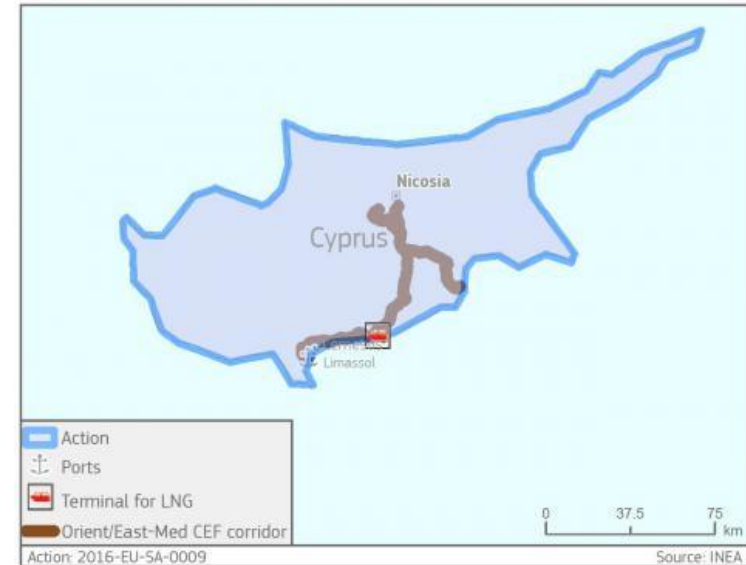
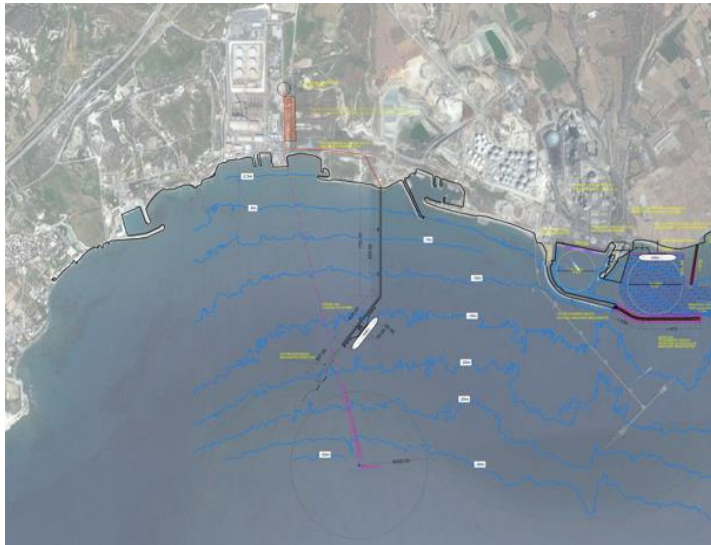




Example of Successful Case in the Region

CyprusGas2EU Action - 40% funding by 2017 CEF Energy Call

1. Purchasing of an FSRU;
2. Construction of a Jetty and supportive
3. MEUR 101 as a grant.





Indicative CEF Proposal in the Region

MoS Application – 2017 CEF Transport Blending call 2nd cut-off

- › Two LNG Bunkering Vessels, with total capacity of approx. 3.000 m³ each based in the Core TEN-T Ports of Greece & Cyprus;
- › LCNG Stations and LNG Tanker Trucks with bunkering equipment in Core TEN-T Ports of Heraklion and Lemesos.

Innovation Application – 2017 CEF Transport Blending call 2nd cut-off

- › One LNG powered Ro-Pax Ferry;
- › One Hybrid (LNG/Electric) Catamaran Vessel;
- › 200 buses to be converted to CNG fueled;
- › To be operating in the Aegean.



The Actions (too much regulations!!!!)

1. EU shipping should stand for its rights as Rail and Road industry does.
 2. There has been a systematic inequality among the modes of transport
 3. Lobbying , Lobbying, Lobbying!!!!!!!
- For island regions, with no train and road networks, EU financing schemes should be **treating vessels as infrastructure** to prevent isolating these areas. The same for EU waterborne trade. E.g. with Africa
 - Set a **commonly applied Transport equivalent of European land and waterborne transportation**, to assist the transport of people in remote areas, in order to equalize transport modes in terms of time and cost.
For example, a German citizen is able to work in the Netherlands and live in Germany.





Thank you for your attention!

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