



Towards Sustainable Shipping – *Current state of implementation* *"Sustainable Waterborne Transport Toolbox"*

**Joint Short Sea Shipping & MoS Focal Points
and Shortsea Promotion Centres (SPCs)**

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Outline

- **Rational for the Toolbox' accompanying measures**
- **Aim**
- **Current State of implementation**
 - ❖ *Short term measures*
 - ❖ *Medium to long term measures*
- **Next step**

Rational for the Toolbox' measures

- Commission' staff working paper "Pollutant emission reduction from maritime transport and the Sustainable Waterborne Transport Toolbox" (SEC (2011)1052 final), 16/09/2011
 - ✓ *Promote alternative methods of compliance to the fuel-based option, i.e. the use of on-board exhaust gas cleaning systems or alternative fuels such as LNG to ensure timely compliance with the low sulphur standard*
 - ✓ *Seek solutions for minimizing compliance costs with the new environmental standard,*
 - ✓ *Assist the sector to achieve environmental sustainability*

Toolbox's measures are aiming at:

- *Promoting clean ship technology & alternative fuels, including the creation of adequate framework conditions (standards, guidelines, regulations);*
- *Developing green infrastructure that supports clean technology deployment (marine LNG shore based infrastructure & bunker delivery logistics, shore side electricity);*
- *Enabling financing through*
 - ✓ *EU funding instruments (TEN-T/MoS, Marco Polo II)*
 - ✓ *EIB lending facilities*
 - ✓ *National funds*
- *Ensuring support, for marine R&D and Innovation*

State of implementation

Short term measures

- Political priorities supporting maritime projects testing, developing, and implementing clean ship technology, and green infrastructure development included in the EU funding progr.
 - ✓ **TEN-T Programme**
 - *Co-funded feasibility studies, pilot projects, and works in support of LNG shore side infrastructure and bunkering logistics, SSE, as well as scrubbers;*
 - ✓ **Marco Polo II Programme**
 - *Presents funding opportunities for SSS-based projects implementing clean ship technology & operational practices reducing SOx emissions*
 - *absorption of the available funding by the industry*
 - ✓ **European Investment Bank lending**
 - *Available financing for fleet –wide optimisation projects i.e scrubber installation & LNG power conversion; No loan request from shipping to date !*
 - ✓ **State aid measures**
 - *The application of this legal measure has been very limited due to lack of national public funds/ current financial & economic crisis; So far, only Finland has notified State aid measures.*

State of implementation

Medium to long term measures

- **Implementation of advanced green technology and alternative fuels** : Scrubbers, SSE, LNG – work in progress
 - ✓ **Regulatory measures**
 - *Scrubber technology is part of Annex.1 of the marine Equipment Directive 2011/75/EU (the 7th ammendment, 2/09/11) [implemented]*
 - *Mandatory provisions and standards for transport infrastructure, including LNG and SSE for shipping by the Clean Power for Transport Package.[under development]*
 - *On-going work on the "framework conditions" for LNG (in cooperation with EMSA /ports/shipowners) Expert Group on LNG*
 - *Scope of Directive 2000/59/EC on port reception facilities - currently under revision– to be extended in accordance with MARPOL Annex VI (scrubber waste)*

State of implementation

Medium to long term measures

- ✓ **Non-regulatory measures**
 - *The Commission to undertake the development of a stakeholder platform*
- ✓ **Development of adequate green infrastructure and superstructure**
 - *Further feasibility studies, pilot projects, and works in support of LNG shore side infrastructure and bunkering logistics, SSE, as well as scrubbers co-funded by TEN-T – on-going*
- ✓ **Economic, financial instruments and funding instruments**
 - *A first incentive for the use of shore side electricity -- exemption from the electricity tax proposed by the revised Energy Taxation Directive 2003/96/EC.*
- ✓ **Research, Development and Innovation**
 - *Communication "Research and innovation for Europe's future mobility" adopted in September 2012*

Next steps

- **WORK IN PROGRESS ...**
 - **Commission PROGRESS REPORT on the current state of implementation of the Toolbox' measures, including the way forward – to be presented shortly.**
 - ❖ **Save the date : 4th of December -- Third LNG Expert Group Meeting takes place in Brussels**
 - ✓ Purpose : discuss and validate the preliminary results of a study commissioned by EMSA to GL – on standards and rules for bunkering of gas fuelled ships.



Thank you for your attention!

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