



**ECSA**

European Community Shipowners' Associations

# **Low Sulphur Norms in North Europe Priorities for Shipowners - aka 'The Matrix'**

**Patrick Verhoeven**

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# ECSA

European Community Shipowners' Associations

## European Sustainable Shipping Forum

- ▶ **Set up in 2013 to assist European Commission in implementing EU activities and programmes aimed at fostering sustainable shipping**
- ▶ **Current focus: introduction low sulphur norms in N.European ECAs**
- ▶ **Platform for dialogue, exchange of knowledge, cooperation and coordination between Member States and stakeholders**
- ▶ **ESSF Plenary: 60 members (28 Member States + 32 stakeholders)**
- ▶ **ESSF Subgroups:**
  1. Marine LNG
  2. Exhaust gas cleaning systems
  3. Implementation of the Sulphur Directive
  4. Financing aspects
  5. Research & innovation
  6. Competitiveness of EU maritime transport



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## Short Term Priorities

Priority	ESSF Subgroup
1. Monitoring economic impact (+ modal shift)	(6) Competitiveness
2. Low sulphur fuel availability	(3) Implementation + (6) Competitiveness
3. Reporting obligations, sampling, port state control (enforcement)	(3) Implementation
4. Scrubbing technology: operational non-compliance, technology reliability, washwater criteria, port reception facilities, pH monitoring	(2) Exhaust gas cleaning
5. Availability of EU (public) funding	(4) Financing aspects
6. Mobilising private funding	(4) Financing aspects
7. Use of mixture of boil-off gas and fuel by LNGs	(3) Implementation + (1) Marine LNG



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## Medium-Long Term Priorities

Priority	ESSF Subgroup
1. Simultaneous bunkering of LNG during ship operations + safety distances	(1) Marine LNG
2. LNG pricing	(1) Marine LNG
3. Portable tanks	(1) Marine LNG
4. Quality and emission reduction potential	(1) Marine LNG
5. Exploring alternative fuel options	(5) Research and innovation
6. Identification of best technologies	(5) Research and innovation



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**Patrick Verhoeven – Secretary General  
European Community Shipowners' Associations (ECSA)  
Rue Ducale, Hertogstraat 67/2 – B-1000 Brussels  
+ 32 2 510 61 26 – [patrick.verhoeven@ecsa.eu](mailto:patrick.verhoeven@ecsa.eu) – [www.ecsa.eu](http://www.ecsa.eu)**



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