

Reducing air pollution from ships

The potential of a Mediterranean Emission Control Area (ECA)

Why would France undertake action for designating a Mediterranean ECA ?

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France Strategic location and experience on implementing SOx regulations

Strategic location Various and large coastlines coastlines within and outside SECA



Coastlines outside SECA

Strategic location and experience on 0,1 %

Coastline within SECA

English Channel-North Sea :

- 0,1 % of sulphur content for ships sailing in the SECA area since 2015

Coastlines outside SECA

Atlantic-Mediterranean Sea :

- 3,5 % of sulphur content (0,5 % in 2020)
- 1,5 % of sulphur content for passenger ships (EEZ)
- 0,1 % of sulphur content at berth when ships being at berth more than 2 hours

Application and implementation of sulphur regulations (MARPOL VI and EU regulation)



Working toward more efficient ship monitoring

Remote targeting

- France has been selected by EMSA for RPAS project (Remotly Piloting Aircraft Systems)
- What's RPAS ?



- A tool for maritime surveillance, pollution monitoring, emission monitoring
- An emission measurement tool: Sox ;Co2
- Tests in France are planned for summer or autumn 2017
- Benefits ?
 - Monitoring behaviours at sea
 - Increasing the likelyhood of getting caught of non compliant ships
 - targeting and enhancing Sox inspections by Port State Control

Working toward more efficient ship monitoring

Fuel calculator

- France is working on developping a fuel calculator (FC)
- FC is a tool used to control if a ship is compliant when it enters into a SECA area
- Benefits
 - monitoring behaviours at sea
 - Improving information for sanctions, FC is a useful tool for judicial proceeding

The French initiative launch of an assessment for a Mediterranean ECA

Political announcements

2016, Decembrer – COP 22, Marrakech



Monaco 's declaration in favour of a Mediterranean ECA

2017, February – International Conference « What solutions for Mediterranean », Paris



France's official announcement for an assessement

2017, March – 5th sulphur Committee, EC

rance's official announcement for an assessement

2017, March – Union For Meditarranean



France's official announcement for an assessement

All funds for the assessment will be provided by France

ECA procedures French capacities

- Experience :France took part in IMO process for designating ECA
 - English Channel-North Sea NECA (2016): Entry into force
 on the 1st of january 2021
- Technical Expertise for designating a Mediterranean ECA(following criteria of MARPOL VI)
 - Automatic Identification system (AIS) data analysis
 - Definition of emission factor
 - Meteorological parameters and emissions modeling capabilities (including dispersion)
 - Analysis of the impacts on human health and the environment

Other French initiatives

Working on reducing particulate matter (PM) emissions from ship



roadmap for actions France could undertake to prevent and reduce PM emissions from ships (consolidation of R&D, proposal for regulation, undertake works at IMO)

Working on alternative fuel distribution in Ports

Onshore power supply

Port of Marseille :

- One terminal is equiped since july 2016
- 3 french ferries can use power supply at berth

Benefits:

- No emission any more at berth (Sox, Nox, PM)
- Reduction of nuisances (onboard,onshore)



Working on alternative fuel distribution in Ports



November 2013

Source AirPaca –

Working on alternative fuel distribution in Ports

Liquefied natural gas (LNG)

- National roadmap published in july 2016 for deploying LNG as marine fuel in France
- Projects for refueling infrastructure for LNG



Thank you for your attention





Ministry of The Environment, Energy and The Sea

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