The LNG, one of the most promising solutions

The MARPOL international Convention (Marine Pollution - annex VI), integrated into the European Union law by the directive 2012/33, provides for a schedule of limitation of the emissions of sulphur oxide by the ships sailing the English Channel, North Sea and the Baltic (SECA zone: Sulphur Emission Control Area) in order to improve air quality.

The reduction of the emissions has thus become a major issue of concern to the shipping sector which looks for complementary or other solutions to traditional fuels.

HAROPA Ports, together with PNA ('Ports Normands Associés'), the ‘Syndicat Mixte’ of the Port of Dieppe and the General Council of the Seine-Maritime area, initiated in early 2014 a collaborative approach named SAFE SECA (Study for Alternative Fuels and Experiment in SEine and Channel Area) which aims at:

- guaranteeing bunkering operations with alternative fuels in complete safety in their ports, by adjusting the local regulations to that purpose and training the port staff involved in the operations,
- identifying competitive and environmentally-friendly solutions in terms of supply, storage and distribution of low-emission fuels and especially LNG (Liquefied Natural Gas).

Being not only a marketing asset, the ability to offer one or several innovative and competitive solutions of bunkering with low-emission fuels to sea and river ships entering or staying in SECA zone, becomes a strategic challenge for all ports in the Seine valley and bay.

The solutions brought to maritime and river transport within the scope of the project will possibly create opportunities for local business (industries, fishing, road haulage, etc.).

This project is funded by the European Union from the Trans-European Transport Network (TEN-T).
The three activities of the SAFE SECA project

Study for Alternative Fuels and Experiment in Seine and Channel Area.

A project grouping together the ports of:
Le Havre (coordinator), Rouen and Paris (HAROPA), Caen-Ouistreham and Cherbourg (PNA), Dieppe (SMPD), Le Tréport and Fécamp (Seine Maritime area).

- Start of the project: March 2014
- Completion scheduled for: December 2015

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The three activities of the SAFE SECA project

**Activity 1**
Study on low-sulphur fuel bunkering in the ports of the Seine corridor and bay

This study includes 4 phases:
- Identification of low-sulphur fuels with a potential for ships
- Study of the risks related to ship and boat LNG bunkering in the ports of the perimeter
- Integration of the conclusions of the risk analysis in the local regulations of the ports
- Working-out of strategies to foster the development of a LNG bunkering trade.

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**Activity 2**
Setting-up of a high-level training programme to prepare the port personnel involved in LNG bunkering operations

The 3 goals of the training session:
- Provide knowledge about the product specifications and the techniques
- Control the risks
- Guarantee the ability to supervise the operations.

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**Activity 3**
Communication, project management, dissemination

Project management
- Coordinate all activities
- Regular reporting to the European agency in charge of the project follow-up (INEA).

Communication and dissemination
- Circulate the information on the local, national and European scale
- Organise an international final conference in December 2015.

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