



CORE LNGas hive

A more sustainable
transport

www.corelngashive.eu

 @core_lngashive



COORDINATOR



Co-financed by the European Union
Connecting Europe Facility

**Newsletter
N° 9
May
2019**



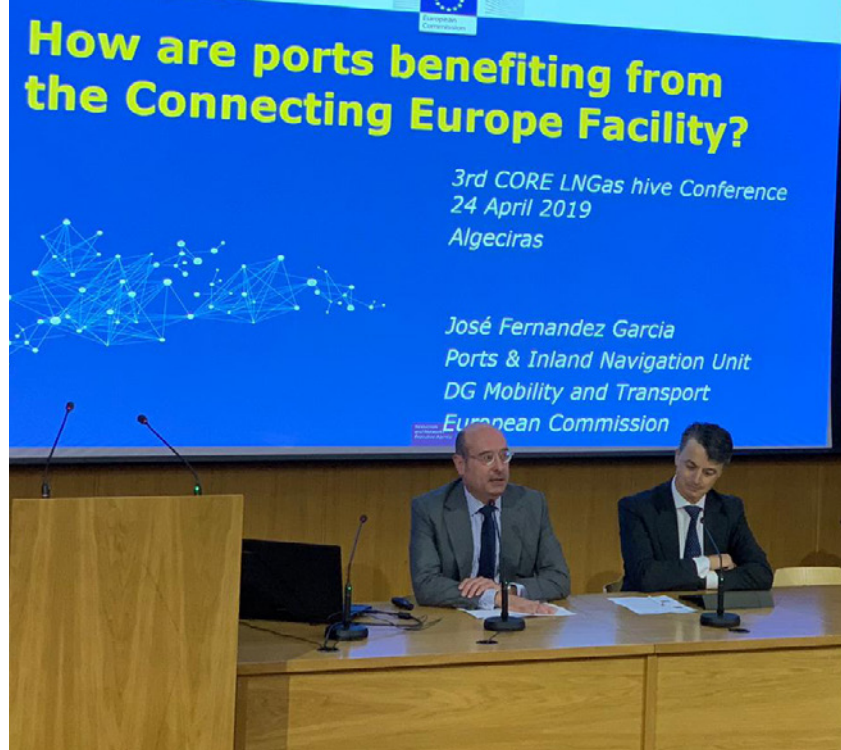
Photo of the opening of the Conference

3rd CORE LNGas hive Conference, Algeciras

The 3rd Conference of CORE LNGas hive, our EU co-financed project that boosts liquefied natural gas (LNG) as the most sustainable fuel in the transport sector - particularly in shipping - took place in Algeciras on April 24th. The event was officially opened by: Salvador de la Encina, President of Puertos del Estado, leader of the project; Gerardo Landaluce, President of the Port of Algeciras Bay Authority (APBA), host partner; and Claudio Rodríguez, Enagás Gas Assets General Manager, coordinator of the project.

The latest developments of the project and the support offered by the European Commission and the Government of Spain for the promotion of the decarbonisation of maritime transport, particularly in ports, were explained during the conference.

The president of the Spanish Ports Authority pointed out that Spain and the ports of Spain were “leaders in LNG technology and handling”. He also asserted that “Spain already has the



basic infrastructure in place, with six plants in operation at ports, accounting for 40% of the whole of Europe's storage capacity and 5.35% of the world's one".

The president of the APBA explained that "Algeciras, through the efforts currently being made, aims to consolidate its position in the future as a leader in the use of liquefied natural gas in the maritime sector". Gerardo Landaluce highlighted the fact that "Algeciras delivered the first supply of LNG as a maritime fuel in the country in 2012, and that it currently supplies

LNG by means of tanker trucks. Ships using LNG as fuel also benefit from the greatest reduction in fees permitted by law. He also stressed the need for a regulatory competitive framework as regards tolls for accessing gas storage (import) plants".

According to Enagás' Gas Assets General Manager, "the hive project will allow Spain leading Europe through the process of energy transition in the maritime sector. A leadership based on the 50-year history of LNG in our country and exceedingly ratified by the development of innovative, competitive and sustainable logistics



that will be able to fulfil European directives regarding availability of capacity to serve demand from the sector five years ahead of schedule".

On behalf of the European Commission, José Fernandez-García, Policy Officer for Ports and Inland Waterways, informed attendees of how Spanish ports could take advantage of the Connecting Europe Facility (CEF) to obtain finance.

In the course of the Conference, the Study on LNG Supply Demand and Logistics Chains was presented, together with an application for the design and parametrisation of LNG supply logistics chains. The application estimates that the LNG supply at the port of Algeciras and other ports on the Strait of Gibraltar will be particularly competitive.

The second meeting of the project stakeholders' group took place in Madrid on May 10th, counting with the participation of some of the representatives of the 79 companies that formally decided to join this group. Among them there are shipbuilders, engineering firms, shipping companies, public administrations, universities, port authorities and category associations that permit enabling a fruitful bi-directional information flux capable of overall enhancing the project outcomes and the sector knowledge.

Organized by the project coordinator Enagás, the meeting pursued the aim of presenting to the attendees the results of the Study on LNG Supply Demand and Logistics Chains and the tool developed for that purpose. Furthermore, CORE LNGas hive project updates and LNGHIVE2 strategy were also presented. The activity has been conducted in the framework of the stakeholders' engagement plan, defined in order to take on board external feedback as essential element required in order to maximize the project impact.

Enagás Entrepreneurship General Manager, Fernando Impuesto, opened the meeting by stressing the protagonist role that the 42 partners and the stakeholders have within

Second meeting of the CORE LNGas hive project Stakeholders group





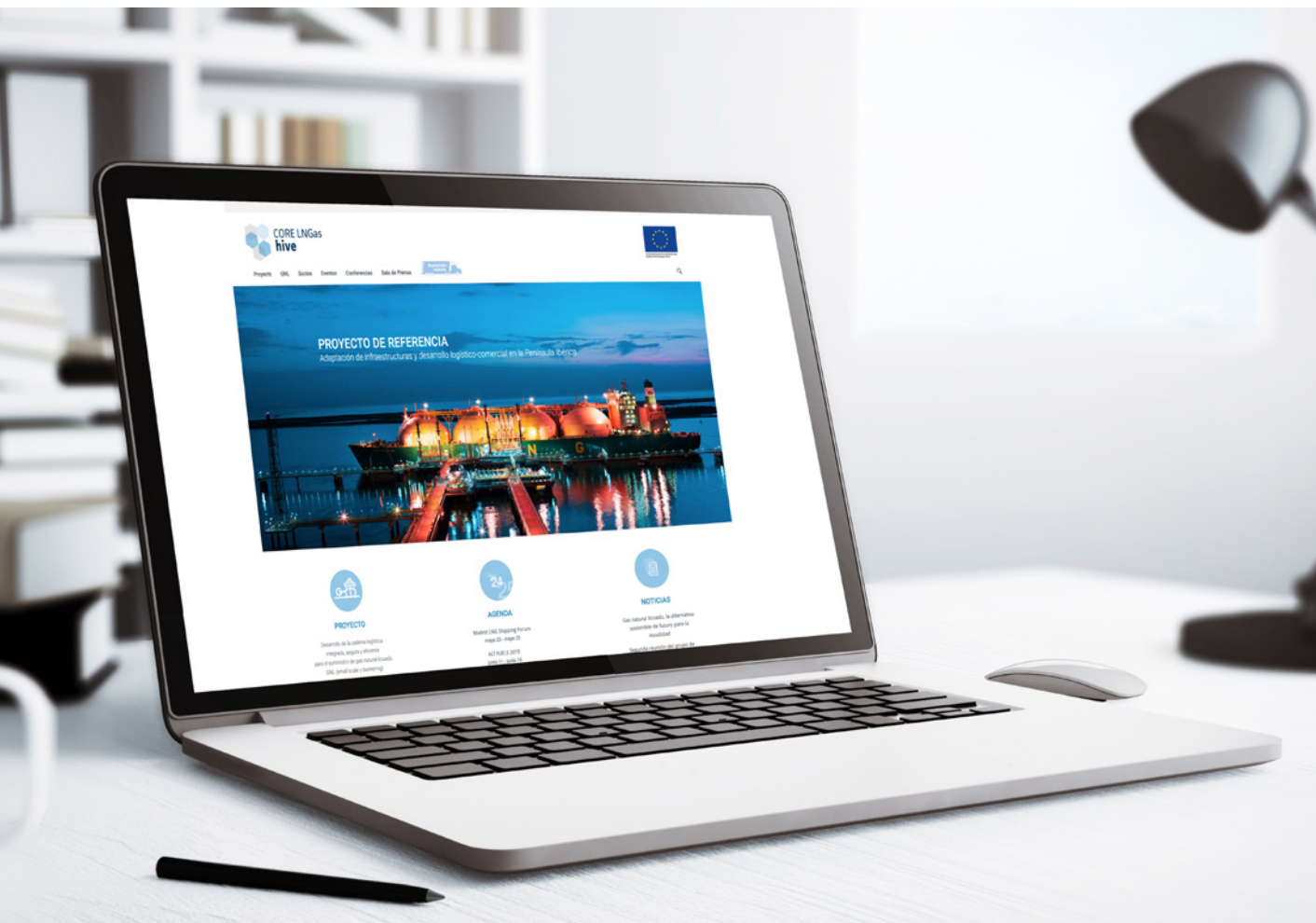
the project. He thanked the stakeholders for their participation and reminded the new opportunities that LNG offers, notably within maritime transport, as well as the forecasted evolution of the demand for liquefied natural gas. Puertos del Estado, represented by Antonio Góngora, Head of logistics and intermodal area, shared with the attendees the progress of

the revision of the “National Policy Framework for Alternative Energy in Transport”, and the LNGHIVE2 strategy, the follow up of CORE LNGas hive. José Enrique Murcia, Project Technical Leader, presented the updates of CORE LNGas hive, explaining the efforts of the 42 project partners in the development of feasibility studies and pilots covering different typologies of infrastructures (including barges, jetties,



tugs, straddle carriers, mobile OPS and LNG/CNG stations).

The final part of the meeting was key for the explanation of LNG demand and supply logistics chain results, presentation done through an interactive session with case studies. The event was also great networking opportunity for all the attendees.



CORE LNGas hive dissemination, communication and events

During March, April and May, CORE LNGas hive participated, as forecasted, at the following events: “Working Group Meeting Atlantic Corridor”, Lisbon, 6-7 March; “Argus Bunker Fuels”, Algeciras, 26-28 March; “Mid Atlantic Ship Repair & Supply Summit”, Las Palmas, 4-5 April; VII Gasnam Congress, Madrid, 10-11 April.” - with a main role within the maritime section and with a stand - and at “LNG for mobility” in Cartagena”, 16 May.

Furthermore, during the next months of 2019, CORE LNGas hive participation is forecasted at the following events: Madrid LNG Shipping Forum, 23 and 24 May and ALT-Fuels, 11-14 June.



Feasibility study of a LNG powered tugboat in the port of Barcelona

As part of the sub-activity EV4 “Conceptual design of a gas tug for the port of Barcelona”, a working session was held last March to carry out a risk analysis of the LNG supply operation.

This session was developed under the “WHAT IF...?” methodology. This method was used to study the operation of supplying LNG by tanker truck at the facilities of the UTE Remolcadores

Barcelona-SAR, as well as at terminal D of the “Adosado” deck, when there is no cruise operation.

This methodology aimed at defining, through brainstorming, the possible changes to be implemented in the design, construction or modifications of the LNG supply operation. Obviously, it requires a basic knowledge of the supply system and the usual operations of a tugboat, as well as the operation of a port such as Barcelona. According to this, the implication of personnel with extensive experience was required. For this reason, the meeting was attended by professionals from companies such as the Barcelona Port Authority, UTE Remolcadores de Barcelona-SAR, Enagás and EINESA, who together with TEMA directed the development of the “What if...?” session. During the development of the analysis, different scenarios were analysed and different mitigation measures were proposed when required. In the following months, the logistic study and the final document of the risk analysis carried out for a gas tug at the Port of Barcelona will be completed.



CORE LNGas hive

A more sustainable
transport

www.corelngashive.eu

TARGET 1

Push forward the process of decarbonization in the Iberian Peninsula

TARGET 2

Contribute to the reduction of pollutant emissions in shipping

TARGET 3

Promote LNG as maritime fuel within maritime and natural gas industry

TARGET 4

Increase Iberian LNG sector visibility at European level

€16.65Mn

financial support from the European Commission

€33.3Mn

project budget

42

partner entities from Spain and Portugal: 8 state-owned institutions, 13 port authorities; 21 industrial companies





COORDINATOR

Puertos del Estado



If you want to regularly receive
this newsletter subscribe by clicking here



ENERGIAREN
EUSKAL ERAKUNDEA
ENTE VASCO
DE LA ENERGÍA



renfe | Mercancías



Puerto Bahía de Algeciras
Autoridad Portuaria de la Bahía de Algeciras

Port de Barcelona

Bilbao
PORT

Puerto de Cartagena
Autoridad Portuaria de Cartagena

Puerto de Ferrol

Puerto de Gijón

Puerto de Huelva

Puerto de Melilla
Autoridad Portuaria de Melilla

Puerto de Santander
Autoridad Portuaria de Santander

Port de Tarragona

Puertos de Tenerife
Autoridad Portuaria de Santa Cruz de Tenerife

valenciaport
Autoridad Portuaria de Valencia

Puerto de Vigo
Autoridad Portuaria de Vigo

ARMON
www.astillerosarmon.com

BOLUDA
CORPORACIÓN MARÍTIMA



CEPSA

gruposuardiaz

FUNDACIÓN
valenciaport

gasNatural
fenosa

SIEMENS
Ingenuity for life



Applus⁺
IDIADA

tsasGas
BUNKER SUPPLY

molgas
ENERGIA

reganosa

COMPANIA DE REMOLCADORES
IBAIZABAL

REN

saggas

seaplace

HUTCHISON PORTS
BEST

Lifting Global Trade.
APM TERMINALS

UTE Remolcadores de Barcelona - SAR