NEWSLETTER #2

October 2019



4th Project Steering & Technical Committee Meeting,

Bologna, Italy



second day the project partners and external experts visited the Cantiere del Pardo SpA headquarters in Forlì, Italy. Dr. Fabio Planamente, CEO of Cantiere del Pardo, presented the company that was followed by an open discussion and Round Table with Stakeholders. Neorion project was presented by Prof. Nikitakos from the UAEGEAN. The attendees

visited the Cantiere del Pardo shipyard and had the opportunity to

First technical seminar, Bologna, Italy

observe various stages of the production.

on 5. 7 2019. The attendees had the chance to talk about 3 exciting topics: <u>Seminar theme 1:</u> Electrification technologies for the marine sector Speaker Prof. Claudio Rossi (ALMA MATER STUDIORUM - DEI) <u>Seminar theme 2:</u> Foiling boats: a new age in motorboats

Seminar theme 3: NEORION External Expert's contribute: Green ship and

Ing. Daniela Francia and Prof. Alfredo Liverani from the Department of

Speaker Ing. Eugenio Nisini (Inesse Corporation LTD)

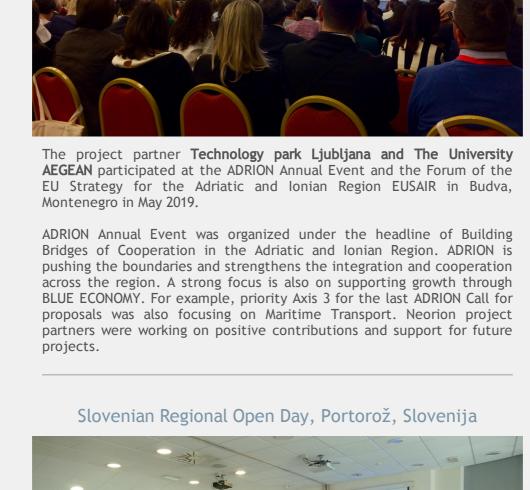
Industrial Engineering hosted the meeting.

Speaker: Mr. Vjeko Barač (Croatian Registry of Shipping)

green shipping

The NEORION First Thematic Technical Seminar was held at Alma Mater Studiorum - Università di Bologna, Department of Industrial Engineering

ADRION and EUSAIR annual forum, Budva, Montenegro





enrichment and growth. Commander Antonio Bignone (Italian Navy General Staff) presented the "Green Fleet" initiative aimed to reduce pollutant emissions of ships, adopting fuel from renewable sources, new technologies and energy-saving operating procedures. Other speakers covered various other topics regarding sustainable naval innovations.



The Chamber of Commerce of Venice Rovigo's seminar on "Enabling Technologies for the Shipbuilding Sector"



Tema d.o.o. (permanent magnet and electric motors, ship applications); Franjo Pokrajčić - JEL-TOM d.o.o. (Croatian patents 'Wave breaker' and 'Box barrier', protection of coastal environment with possible energy generation). Participants of the panel discussion were as follows: prof. dr. sc. Joško Parunov, vice dean for scientific research and cooperation with the industry - FSB; Zoran Baričić - senior adviser of the Croatian Association of Inventors and a member of executive board of IFIA (Internationa Federation of Inventors and Innovations Associations); dr.

sc. Branimir Ružojčić - Tema d.o.o.



 No Ballast System • LNG Fuel for Propulsion

• Fuel and Solar Cell Propulsion Electric Ships Sandwich Plate System • Usage of VFDs (Variable-frequency drives) on pumps and blowers 3-D Printing Technology

 Speed Nozzle o Hull Paint

 Shipbuilding Robotics • Buckypaper Please find the detailed description of technologies and applications on

Sulphur Scrubber System

Waste Heat Recovery System

Sail and Kite Propulsion System

Advanced Rudder and Propeller System

Improved Pump and Cooling Water System

- the NEORION webpage.
 - Neorion partners



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University of Zagreb

and Naval Architecture

Faculty of Mechanical Engineering

and 23rd of June 2019. The Chamber of Commerce organized a seminar on "Enabling Technologies for the Shipbuilding Sector". The participants had the opportunity of witnessing the successful experiences of other enterprises of the shipbuilding sector. The seminar focused on some core topics, such as circular economy, sustainable technologies, innovative materials and the use of IT and simulation in shipbuilding. Witnessing best practices from other enterprises allowed participants to acknowledge that a transition towards green shipbuilding is possible and some concrete successful results have already been achieved.

The Chamber of Commerce of Venice Rovigo participated in the Venice Boat Show which took place at the Arsenal in Venice between the 18th

The Faculty of Mechanical Engineering and Naval

The Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb at Biograd Boat Show

Following our previous presentation in this section a brief overview of several related technologies and applications are presented: • LNG Fuel for Auxiliary engine

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