



NEWSLETTER #1: Get to know SUSPORT – Sustainable ports

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What is SUSPORT

The main objective of "SUSPORT" project is to improve the level of environmental sustainability and energy efficiency in ports in the Program Area by improving cooperation of key stakeholders - institutions and long-term management activities in this area of work on both sides of the Adriatic Sea. In particular, all ports involved in the project will, after exchanging best practices, analyze the situation and develop action plans in the field of environmental sustainability and energy efficiency, and will start carrying out their pilot activities as partners.

SUSPORT brings together 17 partners from Italy and Croatia





Two electric cars for the port of Venice

As part of the European project SUSTainable PORTs, the System Authority obtains 572 000 euros for energy efficiency 572 000 euros co-financed by the European cross-border cooperation project Italy-Croatia are arriving at the Venice Port System Authority. The airport is in fact a partner of the SUSTainable PORT (Susport), a project worth over 7 million, coordinated by the Veneto Region, to strengthen energy efficiency and environmental sustainability.

The Venetian Authority will use part of the resources to purchase two electric cars, to be available to the institution's officials. Other resources will be used, as indicated in the Energy and Environmental Planning Document approved by the System Authority in recent weeks, in a series of interventions for energy efficiency. These include the installation of energy-saving LED headlights in the areas of Sant'Andrea, Santa Marta and San Basilio. The authority has calculated that this intervention will lead to an annual cut of 125 tons of carbon dioxide.

Porto di Bari will install fluorometers and sound level meters

With a budget of 560 thousand euros from the EU "SUSPORT" project, it will create a sophisticated environmental analysis system to be integrated with the existing PCS Gaia. The port of Bari will install a sensor system with turbidimeters, fluorometers and sound level meters to monitor oceanographic and sea-meteorological data. The Port System Authority of the Southern Adriatic has in fact obtained - together with the ports of Venice, Ravenna, Ancona and Trieste - a budget of 560 thousand euros from SUSPORT-SUSTainable PORTs, a European project within the Italy-Croatia Interregional Program 2014-2020 which aims, with a total funding of 7 million, to improve the environmental sustainability of ports by promoting both the development of technologies and in general initiatives that aim to reduce emissions and pollutants. In the case of Bari, it was decided to experiment with the latest detection technologies and the attached mass storage digital ecosystems. The five Italian ports, admitted to SUSPORT funding on March 1st, will develop all these things together with the Croatian ones of Split, Dubrovnik, Zadar, Ploce and Rijeka.

As far as Bari is concerned, the electronic instruments will be integrated into the GAIA PCS system, which has been active in the airport for years, which deals with the collection, management and processing of data. At a later stage, once properly run-in, the instrumentation will also be extended to the other ports of the System Authority, namely Brindisi, Manfredonia, Barletta and Monopoli. "In line with what we have foreseen in the Environmental Energy Planning Document of the port system - comments the president of the AdSP, Ugo Patroni Griffi - we want to make the green deal we have set ourselves effective and effective: increase the productivity of the airports without neglecting the safeguard of the environment, using production systems with low environmental impact

and exploiting renewable resources".

The available budget can be spent in different ways, depending on the needs, as long as they are part of initiatives that reduce pollution, study the quantity of emissions, monitor marine and atmospheric currents. Venice, for example, will buy two electric cars with part of the loan.

The port of Trieste will deepen the studies already carried out as part of the carbon footprint for the system port of reference which includes Monfalcone, will replace the lighting systems of the public areas of the port with LED systems and will purchase an electric car, in synergy with the activities that the institution is in realizing in the same areas, thanks to other European projects.

Ravenna, half a million for a greener port

Specifically, in Ravenna, the Port Authority will be able to benefit from 572,000 euros, with which it will carry out three projects entirely funded by Europe. The first consists of a study on the use of "cold ironing" technology (electrified dock) to meet the energy needs of ships parked at the cruise terminal of Porto Corsini and at the ferry terminal. Normally ships at the mooring they keep the engines running to keep the air conditioning system running air supply, emergency equipment, kitchens and, in the case of cruise ships, to power the passenger cabins. The second project concerns the installation of a photovoltaic system on special canopies covering the parking spaces of the parking lot of the Port Authority headquarters which it will enable the generation of energy to power electric cars. Finally, two electric cars will be purchased with the community contribution for the organization of Via Antico Squero for activities within the port area. "This new European contribution is the testimony of the commitment of the Port Authority to implement the roadmap drawn up with the 'Ravenna GREEN PORT' program for development sustainable development of the Port of Ravenna", commented the President of the AdSP Daniele Rossi. "In recent months - continues Rossi - we have approved the 'Energy Planning Document and Environmental', as required by the regulations on environmental protection in the port area, which defines strategic guidelines for the implementation of specific measures in order to improve energy efficiency and to promote the use of renewable energy in the port area. The actions that we will be able to achieve thanks to the SUSPORT project, they go precisely in the direction of reaching in the coming months some of the objectives we have set ourselves in this important document."

Ancona - New funds allocated by the EU for the Port

The main theme of the Susport project, for the port of Ancona, will be the reduction of emissions from ships during the stop in the port, also investigating the new opportunities related to the autonomous power supply of ships and from the quay. A project consistent with the commitment to reduce emissions from ships launched in 2019 with the Ancona Blue Agreement which involved almost all the ferry companies of the port and the Port Authority of Ancona, and Pia in collaboration with the Region Marche and the Municipality of Ancona. Susport will support the investments of the ferry companies and the Port System Authority to reduce emissions in the port beyond the terms of the law and prepare their ships for the zero emissions target when parked. Similarly, all the infrastructural needs of

the port in this field will be studied.

Another important dimension of the project is energy saving. In the ports of Ancona and Ortona, work will be carried out on the lighting systems by introducing LED technology, thus reducing consumption and the related environmental footprint of the ports. Fundamental, for this second action, is the coordination with the Development Agency, a special company of the Chieti-Pescara Chamber of Commerce, project partner who will take care of the intervention on the port of Ortona.

The pilot activities of the partners from the Dubrovnik-Neretva County

Pilot activities include changes in the port authorities of Ploče and Dubrovnik, and through the project the port authority of Ploče will replace the existing lighting in the port area with LED lighting, install protective barriers and sensors, and install a new energy efficient air conditioning system. The Port of Dubrovnik Authority will replace the existing lighting in the port area with LED lighting, and the Dubrovnik-Neretva County will procure an energy-efficient vehicle. Finally, the results of the project will be promoted through the development of a cross-border joint strategy on environmental sustainability and energy efficiency, which is expected to be successfully implemented in other ports, both in the program area and beyond.

By implementing the project, the Port of Dubrovnik Authority will enable the introduction of new LED technology for lighting the port area, which will ensure significant savings in electricity consumption.

Zadar, Rijeka & Split Port Authorities

The Zadar Port Authority will direct the allocated funds to the development of a project for the use of renewable energy sources in the Port of Gaženica, ie the installation of a photovoltaic system worth 265,000 euros that will provide energy for port lighting and solar terminal system for hot water and heating. The goal of the project is to save electricity and further develop the Port of Gaženica into a "green" port.

Robert Škifić, director of the Zadar Port Authority, said that this is another project in a series that shows that the Zadar Port Authority is a port with a vision, because it is strongly focused on achieving sustainable development, ie development without consequences for future generations. The Zadar Port Authority will introduce and install a photovoltaic system in the port of Gaženica, which will provide energy for the port's lighting and for the solar terminal system for hot water and heating. The goal of the project is to save electricity and develop Gaženica into a "green" port.

The Port of Rijeka Authority will spend the funds on the design and procurement of equipment for the improvement of electric lighting and the introduction of LED lighting technology in public port areas used by citizens.

In Split, it will be possible to further improve the quality of port service and environmental protection with the exchange of best practices, and in Ploče it is expected to improve the energy efficiency of port operations and competencies for managing maritime and multimodal freight transport in an environmentally sustainable way.

SUSPORT presented @ESOF



The EuroScience Open Forum (ESOF) is the largest pan-European event focusing on debate at the interface of science, technology, society and politics, the biennial forum providing a unique opportunity for interaction and discussion among scientists, innovators, politicians, entrepreneurs, communicators and citizens. Trieste has been nominated European City of Science 2020 and hosted the ninth edition of ESOF. from 2nd to 6th September 2020.

One of the most relevant topics was climate change and environmental sustainability. For this reason, the Port Network Authority of the Eastern Adriatic Sea, LP of the SUSPORT – SUStainable PORTs strategic project – was invited to present its vision and strategy to reduce the environmental impact and carbon footprint of port operations, including the project activities, in the dedicated session “Technologies and finance for sustainability” on September 2nd 2020.

Information about SUSPORT was uploaded in the virtual stand of the Friuli Venezia Giulia Region.



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