

WP 3 - DELIVERABLE 3.3.1

Report on the activities in relation to procurement
and use of the firefighting boat

by

THE DNR AdriaMORE PROJECT TEAM

Introduction



The specificity of the Dubrovnik -Neretva Region is in its narrow and heterogeneous coastline, separated from the interior by a mountain range, and divided at Neum by the state border with Bosnia Herzegovina, while it has a natural connection to the interior and the northern Pannonic part of Croatia in the area of the Lower Neretva Valley. The territory of the Region is comprised of two basic entities: the relatively narrow coastal area with its series of islands near the mainland and in the open sea (the most significant of which are the islands of Korčula, Mljet, Lastovo and those in the Elaphite archipelago), and the Lower Neretva Valley with its coastline. The fact is that any emergency intervention, regardless of the cause, is very demanding due to mentioned geographical constraints. The AdriaMORE project provided the opportunity to procure a firefighting boat which will be used mainly for firefighting actions on the sea and coastal area. Because of her dimensions (9.80 meters) she is suitable for the interventions in case of pollution, not only for the installation of the floating dams, but also for

quick interventions by chemical means during minor pollution of the sea surface. The firefighting boat can be used as well for urgent medical intervention, pumping the sea in case of possible ship damage as well as towing damaged ships and any other maritime accidents. Any intervention of the firefighting boat will be more than justified since the goal is protection of human lives and valuable natural areas from fires and pollution.

The firefighting boat is used for emergency intervention only and located at the isolated island Mljet on of the Croatia's most famous national parks visited by many tourists on boats and yachts from all over the

world. The boat is owned by the Dubrovnik-Neretva Region and used by the Firefighting Association. All activities are exclusively related to public utilities or services of general economic interest. Use of the firefighting boat under any circumstances, does not and will not have repercussions on any private economic activities.



The island of Mljet

Public procurement of the firefighting boat

The procurement procedure for the firefighting boat was successfully completed in September 2018 when the contract for the construction of the ship was signed. On this occasion, Commander of the Firefighting Association of the Dubrovnik-Neretva Region Stjepan Simović, director of Damor d.o.o. (supplier of the boat) Davor Matić, and President of the Dubrovnik-Neretva Region held a press conference to distress the importance of the AdriaMORE project in the south of Croatia and the Dubrovnik-Neretva Region in particular. The construction of a firefighting boat, estimated at 127.000,00 € and delivery time of 150 days, was made possible within the AdriaMORE project, and the company was selected after the public procurement procedure was completed. The project is a continuation of the good cooperation between the Dubrovnik-Neretva region and the Region Abruzzo.

The construction of this firefighting boat is part of the AdriaMORE project. The boat will help to the Dubrovnik-Neretva Region to improve its fire protection. She also represents a continuation of projects that the Dubrovnik-Neretva Region has implemented so far, such as AdriaRadNet, CapRadNet, HOLISTIC

and READINESS, through which significant amount of funds from European funds has been for the purpose of fire prevention and protection. In this way, many devices for early detection of fire were purchased, such as cameras covering a large part of the Region, meteorological radar, drones, equipment for fire brigades, as well as equipment for locating earthquake victims and for the rehabilitation of buildings that could eventually be damaged in such disaster – said Mr. Dobroslavić, adding that he is extremely pleased that the AdriaMORE project contributes to the enhancement of the fire protection in the coastal area of the Dubrovnik-Neretva Region.



Signing of the Contract in September 2018

Delivery of the firefighting boat

The firefighting boat Saint Florian owned by the Dubrovnik-Neretva Region has been delivered to the Firefighting Association in Dubrovnik-Neretva Region on the occasion of the International Civil Protection Day, March 1st. The firefighting boat, named by the protector of firemen, is almost 9.80 meters long and will be used mainly for firefighting actions on the sea and coastal area. Because of its dimensions she would be suitable for the interventions in case of pollution, urgent medical interventions as well as towing damaged ships and any other maritime accidents.



Inauguration of the Saint Florian

Technical characteristics of the firefighting boat

The ship is powered by a 360 HP direct-injection turbo diesel engine. The length of the vessel is 9.80 meters and the width 3.20 meters. The aft platform is 75 x 200 meters in size with an anti - slip surface with built-in outboard mount. The ship is equipped with a marine fire extinguisher pump with its 44-kW diesel engine installed below deck (sea suction with filter, exhaust system, fuel filter inlet) with a control panel in the cabin of the vessel next to the control panel with a centrifugal pump (capacity 1600 liters per minute at 8 bar). An integral part of the firefighting equipment is a suction basket with a suction valve on the pressure side of the pump, a pipeline with two valves, one stable monitor outlet with a clamp attached to the stern of the boat, a minimum foam fire pitcher 1500 l/min at a pressure of 7 bar with built-in foam mixer, jet range of 40 meters. She is equipped with various navigation equipment (a plotter with a map of the Adriatic and a depth measuring probe). Fire blue signal light, rotor spotlight and 80W electronic siren with three tones selectable and a megaphone are part of the boat's equipment as well.



Firefighting boat Saint Florian testing phase

The use of firefightg boat Saint Florian

- **Fire protection** in general and fire protection recommendations are determined by different laws at national level. These laws, in many cases also prescribe the adoption of regulations and other various documents regulating the fire protection of particular areas, taking into account their geographic and climatic peculiarities. During the last period, the maritime zone at the Southern Croatia have been under **continuous surveillance** which **improved civil protection system** in general and significantly raised level of fire protection of the islands and waters of the Dubrovnik-Neretva Region.
- In the last period the firefighting boat was used to train firefighters for **interventions in case of fire on the boats**. The goal has been to reduce the time needed for interventions as well as improve the quality of interventions which leads to better protection of human lives and preservation of valuable natural areas and material goods.
- The Dubrovnik-Neretva Region is in charge of the organization of **environmental protection**. Several exercises were organized simulating marine pollution when it was necessary to place dams and monitor and control the pollution as well as collect different kind of waste from the sea in case of sudden pollution.
- Particularly significant were the training exercises for the **salvation of injured persons in maritime accidents** as well as those which included **towing the damaged ships**.
- It should be noted that there was no need for **emergencies** that would require **urgent interventions** by crew and ship, since this was a calm tourist season.







Exercises and surveillance by the firefighting boat Saint Florian