



## ***Innovative high-quality safe antifouling paints for naval applications***

*Project co-funded by the European Commission within the LIFE + Programme (2014–2020)  
Grant agreement no.: LIFE 15 ENV/IT/000417*

### **FINAL WORKSHOP**

The **LIFE PAINT-IT** European Project (LIFE 15 ENV/IT/000417) has made it possible to develop innovative non-toxic antifouling paints for naval applications, by the transfer of the production from the laboratory scale to the prototype plant.

The high environmental sustainability of the formulations is due to the complete absence of release into the marine environment of biocides harmful to the aquatic species, unlike what happens in traditional antifouling paints which continuously release biocides based on the toxic action of copper and other analogous organo-metallic compounds.

In addition to the nautical sector, the tested formulation can be extended to other potential applications in civil construction, in wastewater treatment plants and in general plants involving water systems and pipelines in different industrial production processes (food sector, bioplastics, etc.).

A potential application concerns the efficiency of heat exchangers which can be seriously reduced by the formation of biofouling, as well as the surface pollution due to the formation of biofilms inside the ducts of cooling systems which require periodic cleaning and maintenance. These significantly affect the productivity of the plants with the generation of waste and the consumption of resources.

The project is co-funded by the European Commission under the LIFE 2014-2020 program with the commitment of the Consortium coordinated by the [University of Rome Tor Vergata](http://www.uniroma2.it).



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The members of the Consortium, that developed the Project and was coordinated by the University of Rome Tor Vergata, composed of

- *Ce.Ri.Col Centro Ricerche Colorobbia (Sovigliana-Vinci), with experience in the synthesis, scaling-up and industrialization of chemical products, in particular formulations of nano-materials, which has provided the know-how for plant design and production of the new formulations*
- *Azimut-Benetti Group (Avigliana), private group builder of international yachts, producer in its six shipyards and with its two brands of over 40 models for the widest range of production in the sector worldwide, which has provided expertise as an end-user for the application of the formulations on the real hull*
- *Università Niccolò Cusano (Rome), study center aimed at education, medical and scientific research and technologies for the environment, which provided its support to the toxicological characterization and development of the environmental impact analysis,*

are pleased to invite the interested public to the **final Project Workshop** to be held **online** in **January 2021**.

The results and all the implementation phases will be illustrated, from the idea and laboratory experimentation, through the pre-industrialization phases to the final application on the hull, with relative comparison of performance through hydrodynamic and stationing tests in a real marine and lake environment.

The conference appointment and agenda will be defined afterwards.

*Waiting for your attendance, best regards*