



theBlueGrowthfarm

*Empowering Offshore Aquaculture*

[www.thebluegrowthfarm.eu](http://www.thebluegrowthfarm.eu)

Project Newsletter - March 2022 - N°7





# THE BLUE GROWTH FARM NEWSLETTER

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The Blue Growth Farm Consortium has reached its final step towards the conclusion of the development period.

In the last six month the Consortium has worked hard to complete the test campaign with the AURORA outdoor prototype and to engage the local community's opinion on concepts like offshore fish farming, offshore multipurpose infrastructure installation, envisaged opportunities and perceived challenges.

From the beginning with the first General Assembly in Bilbao (Spain), we encountered obstacles by facing the COVID-19 pandemic, with short delays and many limitations, but we obtained great achievements during the whole project evolution, both professionally and personally.

It has been a challenging time, full of interesting discovery, results and networking!

*Fabrizio Lagasco*



## AURORA PROTOTYPE DECOMMISSIONING: IMPACTS OF THE EXPERIMENTAL CAMPAIGN

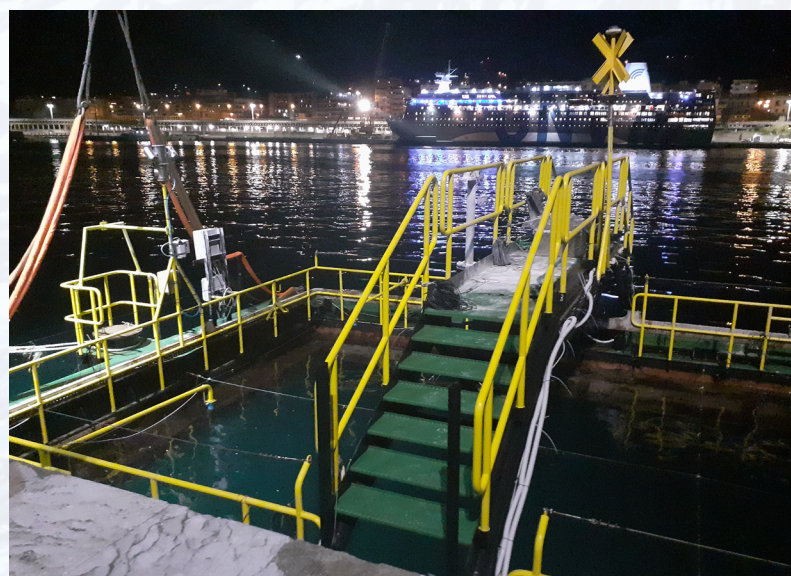
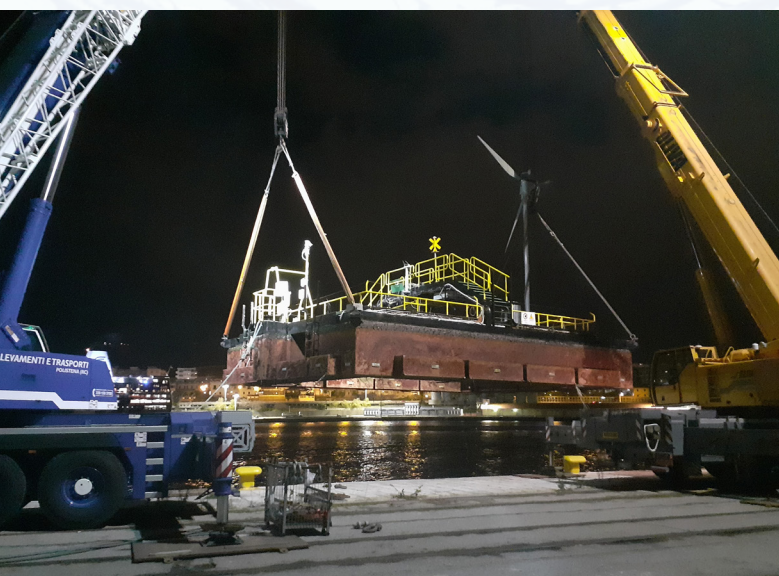


In February 2022, the AURORA prototype, deployed at the NOEL offshore site (Mediterranean Study University of Reggio Calabria, Italy) almost one year before, was decommissioned after more than six months full measurements.

Thanks to AURORA sensing capacity, the project Consortium reached an unprecedented awareness about the platform complexity in terms of stability, aero-hydrodynamic interaction with the scaled wind turbine and coupling induced by the wave energy converter chambers.

Thus, the AURORA results provided valuable input to refined numerical models developed for reliable employment in the full-scale engineering development. Then, a very complex engineering challenge afforded by a multidisciplinary, fully integrated, single European team.

See the [news](#) on the BGF website for more details.







## **EXPO 2020 DUBAI**

*20 March 2022 • 26 March 2022*

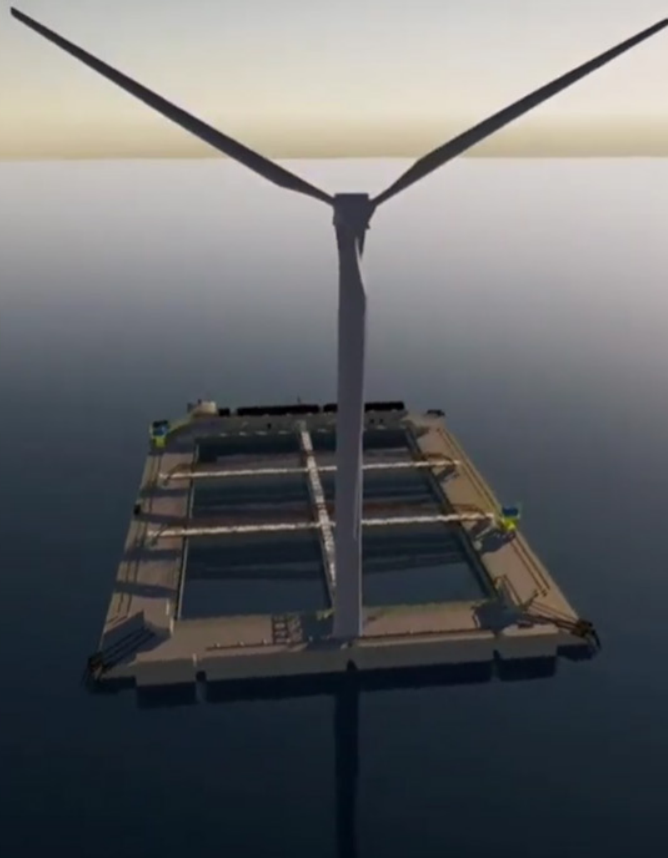
### **WATER WEEK**

#### **BGF VIDEO AT DUBAI EXPO 2020**

In March 2022, The Blue Growth Farm project has been one of the protagonists of the “Water Week” at the Italian Pavilion of the “Expo Dubai 2020” in United Arab Emirates.

The project has been presented to the audience, together with a novel sustainable and zero-emission boat designed by Fincantieri, through a video aimed at highlighting the relevance of marine sustainability and safeguards achieved thanks to the EU funding and private and public european entities committment.

The video was selected among other Italian research innovations and projects, thus giving the opportunity to the Consortium to reach a wider audience in a country of major interests for our purposes.



## BGF NEW VIDEO WITH RESULTS AND ADVANCEMENTS

Recently a new project video has been realized to collect and show the most recent steps and outcomes obtained during these years. The Blue Growth Farm project designed an automated, modular and multi-functional infrastructure for open sea installations. During the project development, two scaled prototypes, one (1:40) for indoor (wave tank) testing, and the other (1:15) for outdoor (sea) testing, have been designed and validated by the Consortium at Ecole Centrale (Nantes, FR) and at NOEL offshore site in Reggio Calabria, (IT), respectively.

This video, available on the project website, presents an overview of the successful activities carried out and results achieved during the project's experimental campaigns.

**[www.thebluegrowthfarm.eu/project-video](http://www.thebluegrowthfarm.eu/project-video)**





EVENTS

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# Installazioni Offshore Multifunzionali e Impiego Sostenibile del Mare



[www.thebluegrowthfarm.eu](http://www.thebluegrowthfarm.eu)

## 15.10.21 | BGF Online Webinar

This event enabled the Consortium sharing design highlights on the role of Multipurpose Offshore Installations (MOI) to support the growing global demand for seafood and collecting the opinion of key stakeholders in the fish supply chain.

The main objective of the event was to analyse opinions and feedbacks from key-stakeholders involved in the fish supply chain and to enrich knowledge appraisal of offshore multipurpose floating platforms for aquaculture combined to energy production in the near future.

**[www.thebluegrowthfarm.eu/webinar-multifunctional-offshore-installations-and-sustainable-use-of-the-sea/](http://www.thebluegrowthfarm.eu/webinar-multifunctional-offshore-installations-and-sustainable-use-of-the-sea/)**





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**Tue, 21.12.2021 | 20:30 CET**

Interview to Prof. S. Muggiasca

Politecnico di Milano

**BLUE HORIZON****21.12.21 | Web Radio POLIRADIO – BLUE HORIZON**

Prof. Sara Muggiasca, from Politecnico di Milano, was interviewed during the academic Blue Horizon radio transmission to talk about the Blue Growth Farm project in an episode dedicated to the “Platforms” together with other important players in the field like: EU MSP platforms, Ocean Builders and Redbull Bora Challenge organizers. The BlueHorizon channel from PoliRadio gave the Consortium the chance to promote the innovation and the impact of BGF Offshore infrastructure.

The project has been presented in the “Science & Research” column, and it reached passionate listeners of this frontier channel dedicated to ocean safeguards and Blue Economy. This episode was recorded, and it is available at the following page:

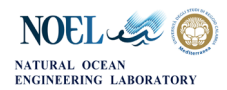
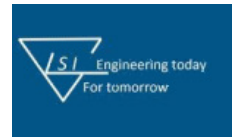
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