

Marble Imaging signs ESA Blue Capital contract for aquaculture feasibility study



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Bremen, Germany

- Marble Imaging and ESA Space Solutions kick-off a six month ESA Kick-start project to develop Earth Observation (EO) solutions for the Blue Economy
- "AquaMap" focuses on testing the feasibility of developing an EO based "Aquaculture suitability Index" to find optimal habitats for aquaculture farms
- The project is funded up to €60.000

Marble's "AquaMap"-project will employ advanced EO products and technologies to analyse environmental parameters and assess the suitability of coastal habitats for aquaculture farming and operations. The feasibility study integrating available EO datasets for aquaculture site suitability analysis is built around increasing food security and providing actionable insights to stakeholders, promoting sustainable practices, and enhancing operational efficiency.

The feasibility study will show that EO data will be invaluable in selecting aquaculture environments, aiding aquaculture standard certification and offering significant advantages in data accuracy and timeliness over traditional methods.



Mussel aquaculture farms detected in Ria de Arousa, Galicia, Spain, on Sentinel-2 imagery

"Fish products from the ocean are threatened and the need of the hour is sustainable aquaculture farming. For this, aquaculture operators require accurate information on habitat suitability and potential risk factors to ensure sustainable and profitable operations", **says Project Manager Dr. Gopika Suresh, Co-Founder of Marble and CSO.** " Traditional methods for these tasks are often time-consuming, costly, and lack the necessary precision to address emerging issues effectively.

Marble's goal is to become a leading provider in EO based solutions for the Blue Economy to improve certification processes, monitor water quality and river runoffs, detect land cover changes and deforestation, improve industrial workflows, deliver early warning alerts in case of hazards and diseases and provide information for rapid decision making to adapt to and mitigate the effects of climate change.

About The Blue Capital Kick-start activity:

The Blue Capital Kick-start theme call aims to support companies in exploring the technical and economic feasibility of services for blue natural capital monitoring, preservation, and growth. It encourages using satellite and digital technologies, including IoT or Artificial Intelligence/Machine Learning, to create sustainable solutions and funding for the blue natural capital sector.

About Marble Imaging:

Marble Imaging is a big-data EO company based in Germany, building its constellation of VHR satellites to provide daily EO analytics and insights of our planet. The data and derived EO-based analytics will be vital in supporting rapid decision-making with regard to food security, green and sustainable energy transitions, climate change, infrastructure and mobility, global security and much more. Marble already offers advanced data analysis services, including deforestation monitoring, water health assessment, and coastline monitoring.

With their flagship product, Precious Marble, they are developing a product suite dedicated to identifying and analysing the drivers contributing to the vulnerability of the Earth's ecosystem. By seamlessly integrating data on risk, exposure, and sensitivity, Precious Marble highlights regions at risk, providing timely and actionable insights into the changing vulnerability status.

For more information: <https://www.marble-imaging.de>