European Pavilion DICITA DCCEAT

Nice | France 2 - 13 JUNE 2025

NAUTILOS: innovating ocean sensing for a sustainable future

monitor the Ocean?





Novellino Antonio

ETT (Deda.Group)







- filling in marine observation and modelling gaps for chemical, biological and deep ocean physics variables
- developing a new generation of cost-effective sensors and samplers
- integrated within observing platforms
- Long-term deployment in large-scale demonstrations in **European seas**















































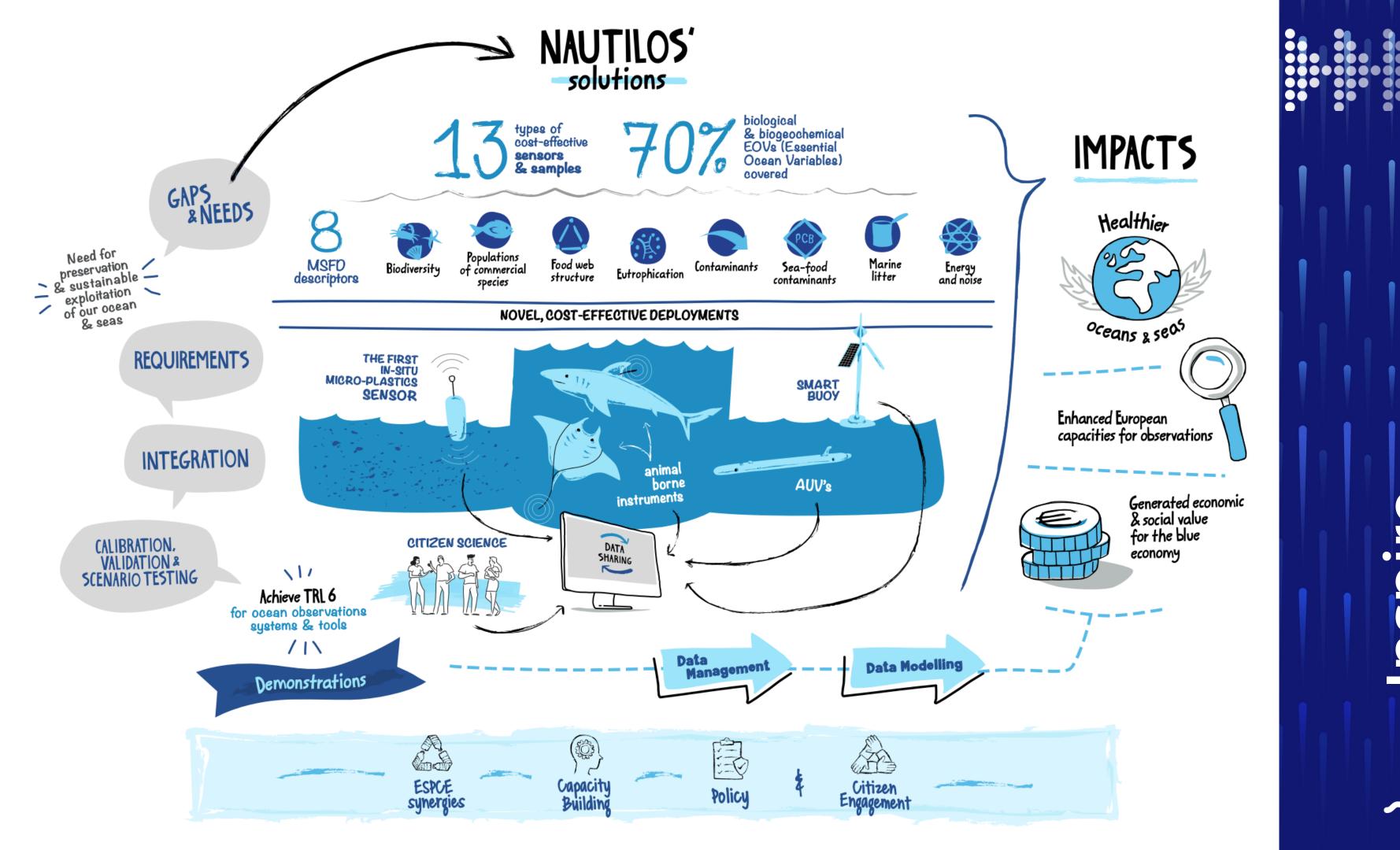


subCtech















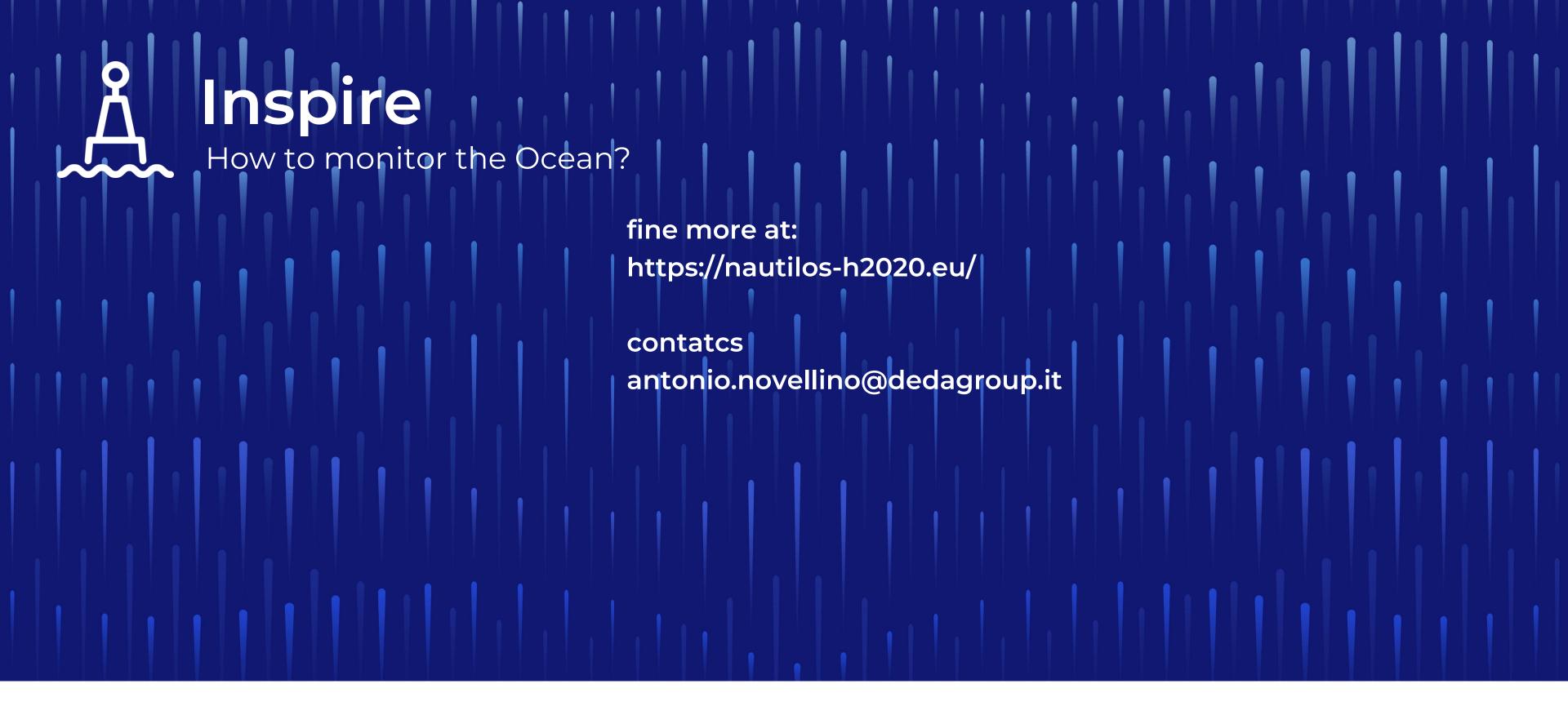


11 commercial products (business model and commercial partner) - 2 NEW TO MARKET

100% of NAUTILOS technologies offer benefits for ocean monitoring market 75% of them less expensive than comparable competitors (while the remaining 25% offering substantial improvements for ocean monitoring)

All products presented in 9 brokerage opportunities (8 different countries), with over 200 recorded interactions expressing interest

Early sales of NAUTILOS products - NKE WiSens TD Chl-a & NKE WiSens TD DO















Spoke 3 of the RAISE project (Robotics and Al for Socio-Economic Empowerment)





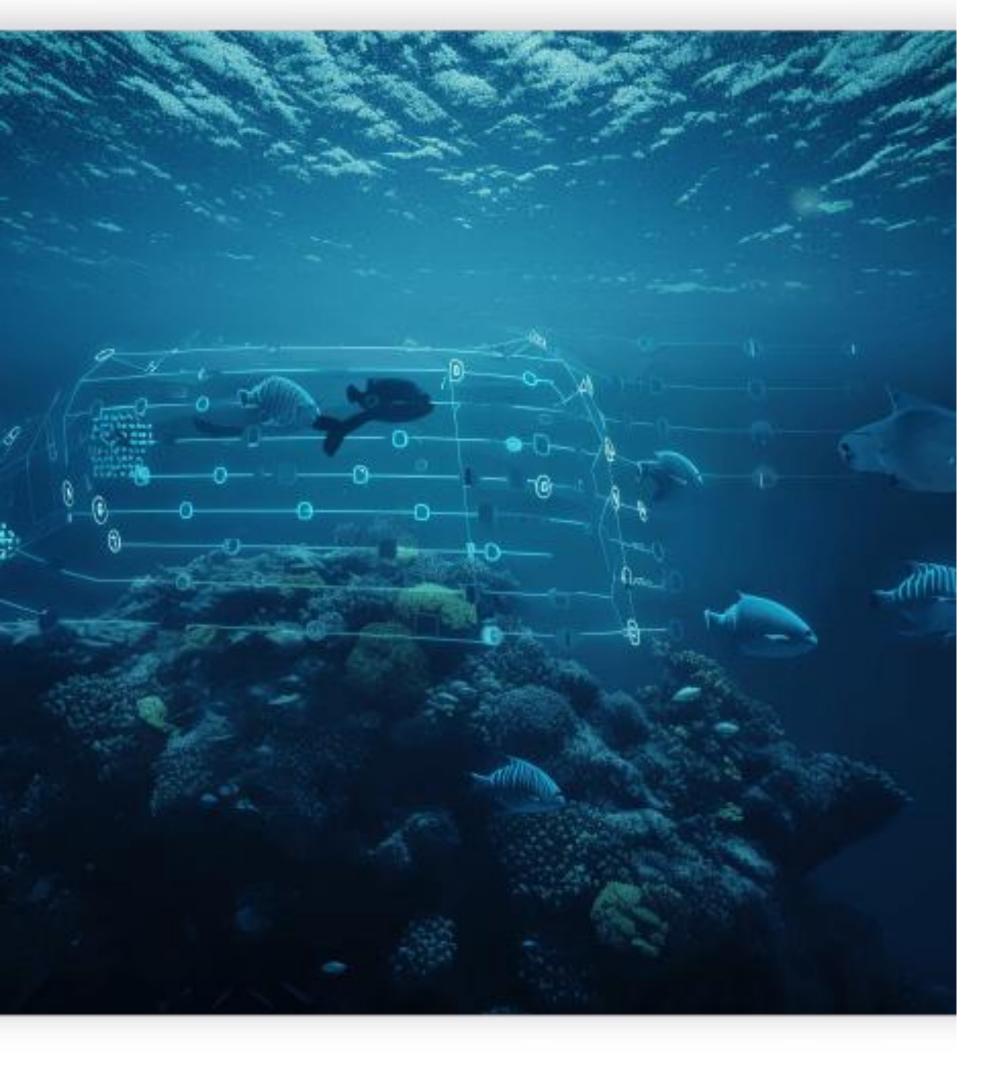


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RAISE SPOKE 3 the SEA PILLAR

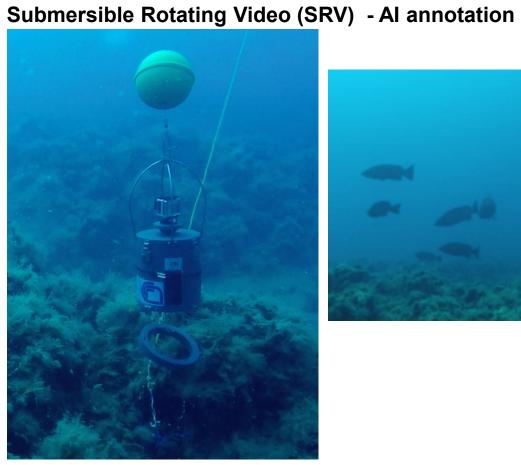
new integrated system that combines single-point and diffused monitoring through the development of hardware and software modules that integrate traditional in-situ measurements with adaptive monitoring managed by Al solutions

14 projects50 partners



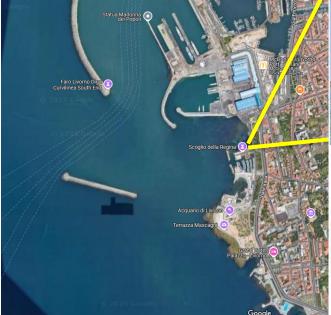
Inspire How to monitor the Ocean?



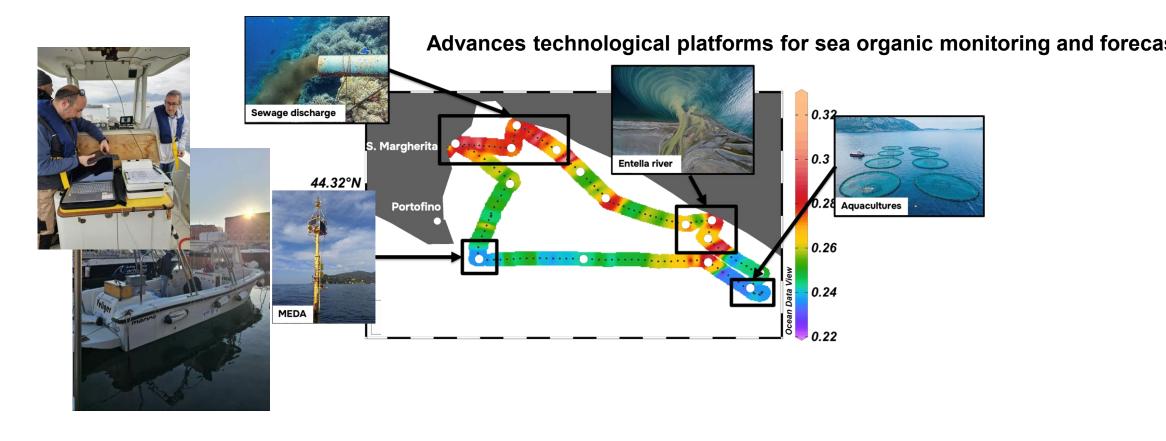




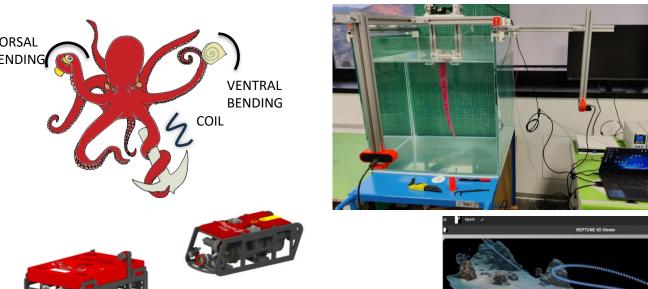
On shore sea waves monitoring

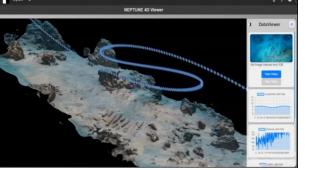






Octopus-inspired soft robotic arm





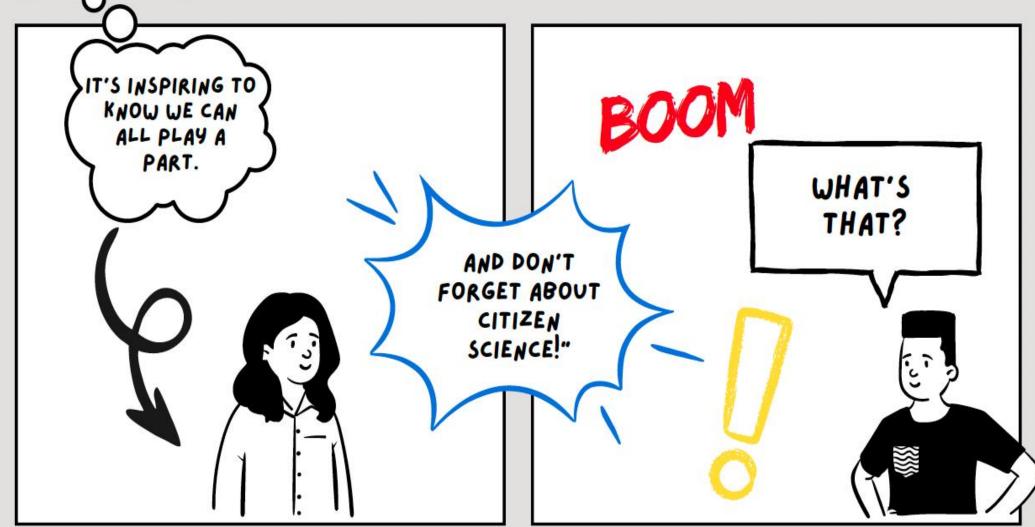


THERE'S A ROLE FOR EVERYONE!

DECISION-MAKING: YOUR VOICE MATTERS IN SHAPING POLICIES THAT IMPACT OUR OCEANS

POLICY SUPPORT: ENCOURAGE POLICYMAKERS TO FUND OCEAN RESEARCH AND SET CLEAR RULES FOR USING OCEAN RESOURCES.

SUSTAINABLE DEVELOPMENT: TOGETHER, WE CAN ENSURE OCEANS ARE PRESERVED AS A RESOURCE FOR GENERATIONS TO COME.





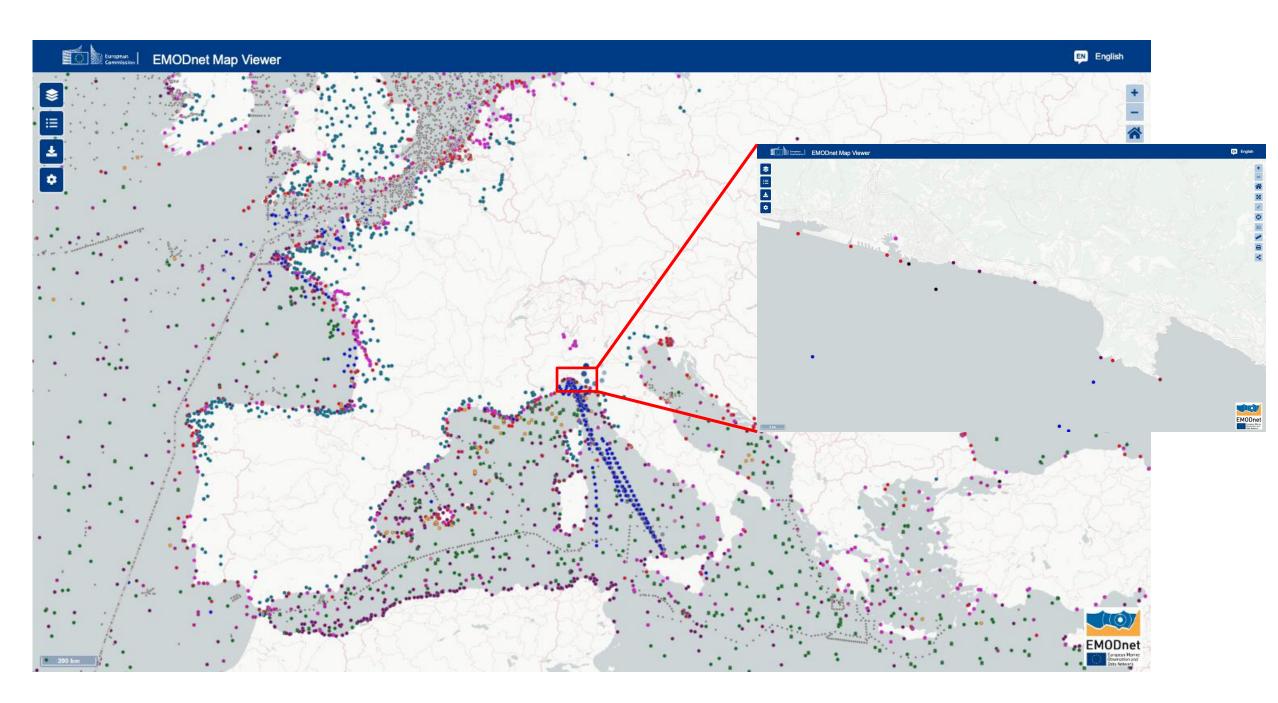


monitor the Ocean?



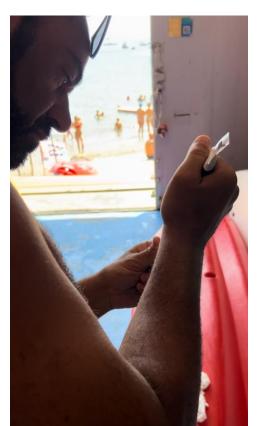
- What's that about?
- Why is that important?







Technologically Assisted Citizen Science

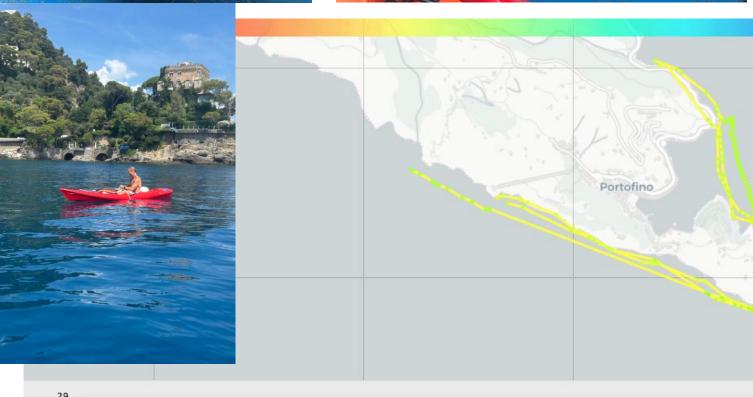


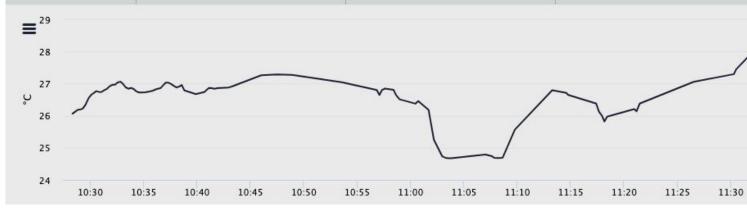














Technologically Assisted Citizen Science





