



Bluetools

Decoding the ocean's potential



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Our Mission

BLUETOOLS aims to unlock the potential of marine microbiomes for a healthier ocean and a sustainable blue-economy.

Our path

Sustainable bioprospecting in alternative, unexplored environments



"Waste" environment



Cooperations & collections



Extreme environment



Aquatic organisms

Microbiome Biodiversity



Bacteria



Phytoplankton

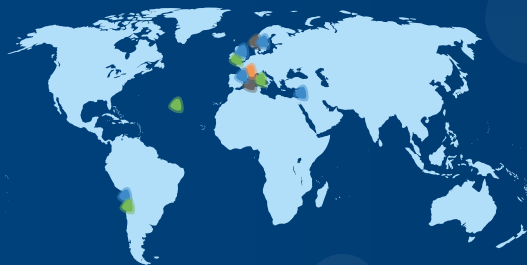


Protists



Viruses

Where are we going to collect our marine microbiomes?



How does it work?

BLUETOOLS is developing sustainable tools to explore marine microbiomes to avoid the limitations of conventional biodiscovery methods. With a focus on discovering hundreds of useful compounds, BLUETOOLS is working on valorising microbiome sources and improving biodiscovery methodologies.

Improved Methodologies

In Vitro

Novel cultivation techniques

Novel screening techniques

In Silico

High-quality data

Metagenomics
Metatranscriptomics
Single-cell approaches

New and better Bioinformatics tools

Targets from marine microbiomes

Small molecules
Glycosides
Microbial consortia
Proteins
Resistance genes

Leading to the production of molecules, proteins, and polymers for industries



Pharma



Cosmetics



Food



Agriculture



Maritime

Our Goals



Advance our knowledge of marine microbiomes



Increase the participation of all actors



Demonstrate biodiversity discovery methodologies



Raise awareness



Improve the sustainable use of marine bioresources

Our Consortium



Learn more at www.bluetools-project.eu



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