

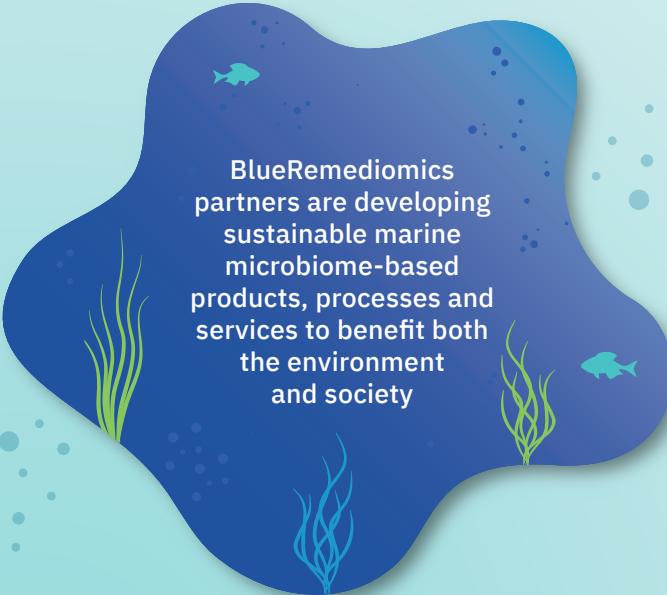


# BlueRemediomics

*Harnessing the marine microbiome for novel sustainable biogenics and ecosystem services*

The marine microbiome is a hidden treasure! To unlock its full potential, the following **challenges and knowledge gaps** need to be addressed:

- Fragmented data and limited access
- Underutilised marine genetic resources
- Lack of awareness and equitable benefit-sharing knowledge gaps
- Poor integration of microbiome data
- Limited culturing and screening technologies
- Insufficient societal engagement



BlueRemediomics partners are developing sustainable marine microbiome-based products, processes and services to benefit both the environment and society

## BlueRemediomics' solutions to unlock ocean treasure



**Access to benefit-sharing tools and intellectual property (IP) licenses** for marine genetic resources (MGRs), and a computer game for policymakers



**Microbiome-based innovations:** pharmaceuticals, cosmeceuticals, waste-reducing enzymes, sustainable aquaculture feeds, and marine ecosystem health indicators



Microbiome data stored in one open access platform: **MGnify**



**Protocols** for culturing communities, upscaling production and functional screening



**Data and recommendations for policy** (WIPO Treaty, BBNJ Agreement)



**Ecosystem management:** Development of an Ocean Microbiome Health Index (OMHI)