



BlueRemediomics

Project Number	101082304
Project Acronym	BlueRemediomics
Project Title	BlueRemediomics: Harnessing the marine microbiome for novel sustainable biogenics and ecosystem services
Funding Programme	Horizon Europe
Instrument	RIA
Project Start Date	01/12/2022
Duration of the Project	48 months
Deliverable Number and Name	D6.3 Project website
Work Package	WP6
WP Lead	ERINN and FTO
Deliverable Due Date	31/05/23
Submission date	06/06/23
Author(s) (Deliverable lead)	Rebecca Pflanz, Marieke Reuver (ERINN)
Dissemination Level	Public
Version	1 (May 2023)



Funded by
the European Union

BlueRemediomics has received funding from the European Union's Horizon Europe Programme under Grant Agreement No. 101082304. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them.



UK Research
and Innovation

UK Partners on BlueRemediomics are supported by UK Research and Innovation (UKRI) under the UK Government's Horizon Europe funding guarantee Grant No. IFS 10061678 (University College London); IFS 10055633 (The Chancellors Masters and Scholars of the University of Cambridge); IFS 10057167 (University of Aberdeen).

Project funded by



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI

The Swiss Partner (Eidgenössische Technische Hochschule Zürich) on BlueRemediomics has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI) under Contract No. 22.00384.

HISTORY OF CHANGES			
Version	Publication date	Changes	Pages
1.0	6 June 2023	<ul style="list-style-type: none">▪ N/A; First full version	
		<ul style="list-style-type: none">▪	

All rights reserved

This document may not be copied, reproduced or modified in whole or in part for any purpose without the written permission from the BlueRemediomics Consortium. In addition to such written permission to copy, reproduce or modify this document in whole or part, an acknowledgement of the authors of the document and all applicable portions of the copyright must be clearly referenced.

Contents

Executive Summary	4
1. Introduction	5
2. Website Development	5
3. Results	7
3.1. Home	7
3.2. About	8
3.3. Website Footer	9
3.4. News & Events	10
3.5 Results	10
3.6. Resources	11
3.7. Outreach	12
4. Conclusion	13

Executive Summary

BlueRemediomics is an EC Horizon Europe funded project (with Associated Partner funding facilitated via UKRI and SERI) which aims to develop novel tools and approaches to explore marine microbiome data, promoting the discovery and production of high value sustainable marine microbiome-based products, processes and services. The project will systematically catalogue marine microbiome data and marine culture collections to facilitate the development of industrial processes that reduce waste, increase the reuse of natural products and by-products, and improve aquaculture processes. BlueRemediomics simultaneously aims to ensure equitable access to and sharing of benefits derived from any new products, such as new medicines or cosmeceuticals, and also gauge the societal appetite for biobased solutions.

The BlueRemediomics project has developed a project website as a main tool for promoting the project and disseminating the project's objectives, work plan and results to a wide audience, including all stakeholders and possible end users. The main aims of the project website are to:

- **Promote the project** in research, industry, policy, and public arenas
- **Showcase results** for partners and stakeholders
- **Provide a portal** for different stakeholders to access information, including news, events and progress updates from the project

The BlueRemediomics website was developed following EU Horizon Europe communication guidelines with the main focus to present the project to a diverse audience in a clear and user-friendly manner.

To ensure the successful promotion of BlueRemediomics activities in a sustainable fashion to target audiences while simultaneously attracting new users, the website's contents will be maintained and continuously updated with new information throughout the project's lifetime. The website will remain active after the end of the project for a period of 5 years, serving as a valuable public source of research information on the project and for promoting the outputs of publicly funded research in the domain beyond the project's lifetime.

The BlueRemediomics website is available on www.blueremediomics.eu and was published on 31 May 2023 (M6 of the project).

1. Introduction

The BlueRemediomics website (www.blueremediomics.eu) aims to facilitate communication and dissemination of the BlueRemediomics project and its results to the widest possible audience.

The BlueRemediomics public website has been developed Beneficiary 14 ERINN and will be maintained and continuously updated by them over the lifetime of the project. ERINN is responsible for updating its contents on a regular basis, in particular the 'News & Events', 'Results', 'Outreach', and 'Resources' sections, based on input from all partners. The 'News & Events' section includes announcements of all events organised by the BlueRemediomics consortium as well as events where BlueRemediomics partners represent the project, or those of interest to the partnership. It will be regularly updated with news on the project as well as external news directly relevant to BlueRemediomics. The 'Results' section will enable user access to all publications published under the umbrella of the BlueRemediomics project. The 'Resources' section houses all dissemination products and activities, including press releases, the project factsheet and other relevant materials developed by the consortium during the project's lifetime. The 'Outreach' page gives an overview of any planned campaigns and actions that will be used to engage with society to increase awareness of the marine microbiome and foster high-level engagement and knowledge exchange. The website also links to the BlueRemediomics [Twitter account](#), which is displayed clearly at the top right hand corner of the header section as well as in the Footer of the website as an additional avenue to raise awareness of the project and keep the general public and interested stakeholders updated on project news.

All project partners will be involved in providing new information and materials for the website and, where feasible, project partners will be requested to include a link to the new website on their own institution websites.

The BlueRemediomics website has been created in WordPress. The website structure is as follows:

- Home
- About
 - Project Overview
 - Work Packages
 - Project Partners
- News & Events
- Results
 - Publications
 - Deliverables
- Resources
- Outreach

The colour palette for the website originates from the colour scheme used in the BlueRemediomics logo branding guidelines.

2. Website Development

Criteria for the website development were to develop, test and implement a website which:

- Is content management system (CMS) based, interactive, professional, and has a highly usable interface
- Responsive to different screen sizes, operating systems, and browsers (e.g. across iOS and Android, Chrome, Firefox, Edge, and Safari), looking uniform

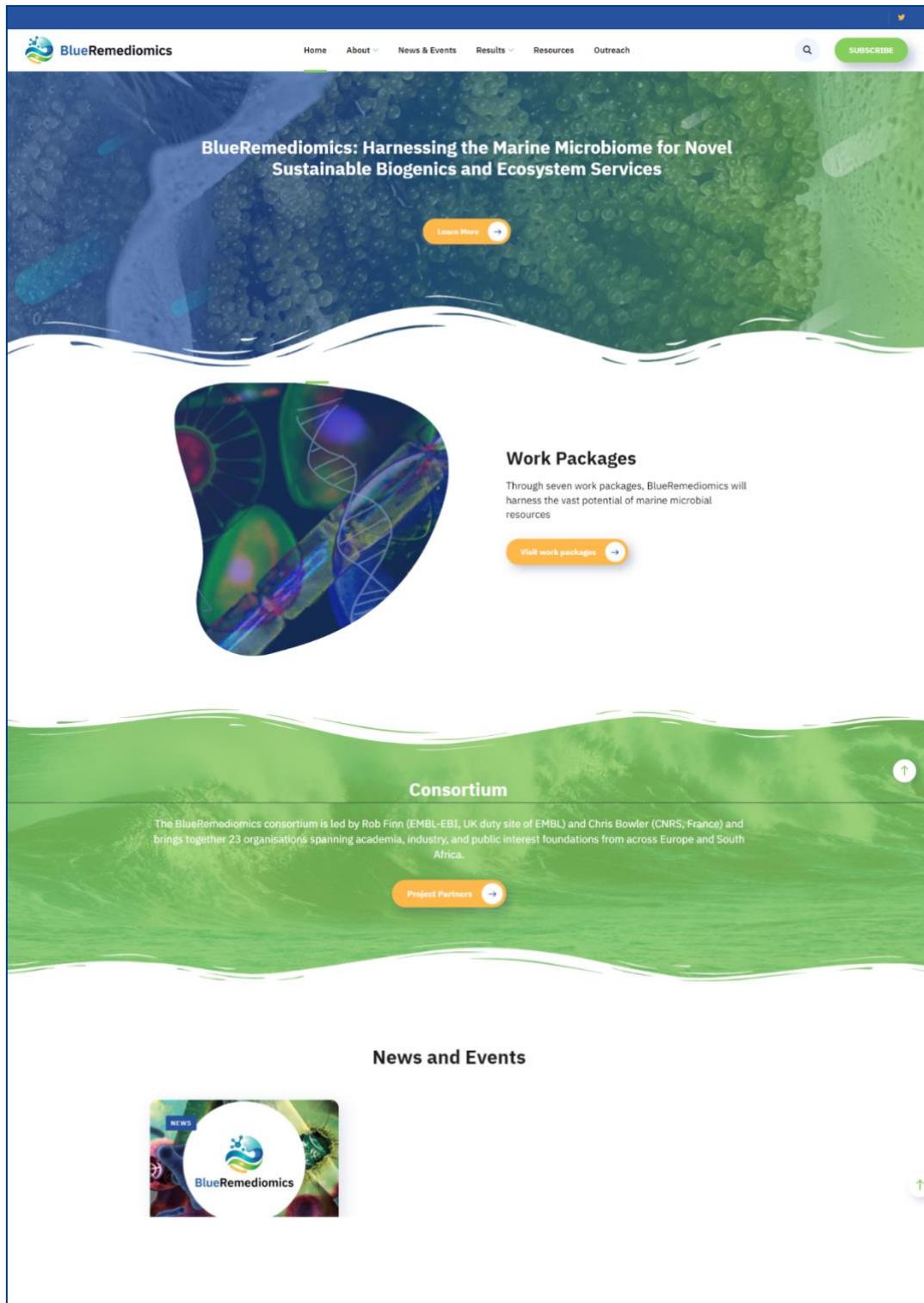
- Has a very prompt average load time
- Includes functionality for search engine optimisation (SEO)
- Adheres to security best practices
- Has functionality to easily edit images to a required size for each content
- Includes analytics for tracking purposes
- Is fully compliant with the latest EU GDPR specifications, e.g. includes a cookie bar that should be configured to not collect data until a user has clicked accept or equivalent option.

Copyrights

On behalf of the BlueRemediomics consortium, Beneficiary ERINN will hold exclusive rights to all design and other work products contained on the website.

3. Results

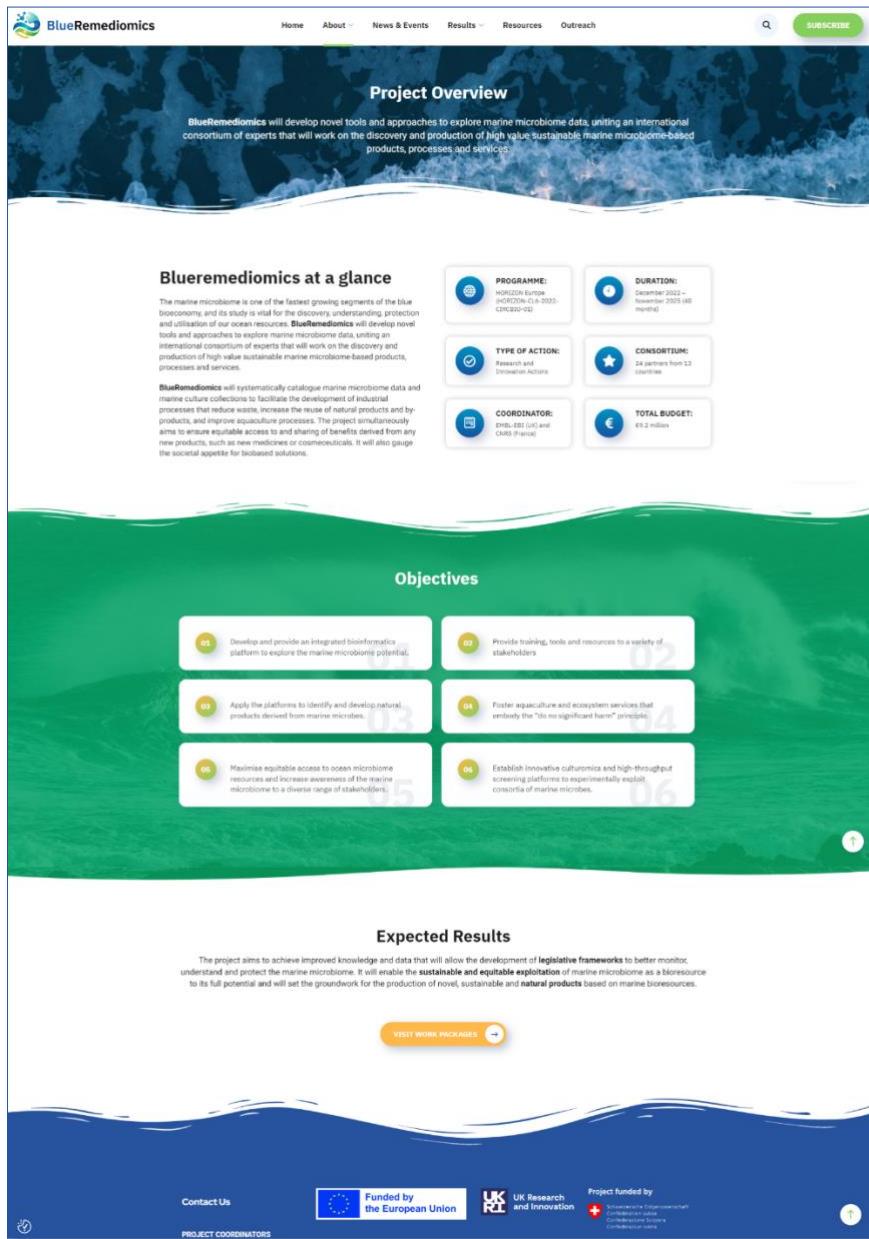
3.1. Home



The screenshot shows the homepage of the BlueRemediomics website. The header features the project logo and navigation links for Home, About, News & Events, Results, Resources, and Outreach, along with a search bar and a 'SUBSCRIBE' button. The main banner image is a close-up of marine microbial cells. Overlaid on the banner is the text: 'BlueRemediomics: Harnessing the Marine Microbiome for Novel Sustainable Biogenics and Ecosystem Services'. Below the banner is a large circular inset image showing a 3D rendering of a cell with internal structures like the nucleus and DNA. To the right of this inset is a section titled 'Work Packages' with a brief description and a 'Visit work packages' button. Further down the page is a section titled 'Consortium' with a brief description of the project's leadership and partners, and a 'Project Partners' button. At the bottom is a 'News and Events' section featuring a thumbnail image of a news article.

3.2. About

- **Project overview:** This section provides an overview of the project's objectives and expected results.
- **Work packages:** This section presents the main Work Packages wherein the project's work is organised and structured.
- **Project Partners:** This section introduces the project participants, along with their contact details and a short biography of their organisation.



Project Overview

BlueRemediomics will develop novel tools and approaches to explore marine microbiome data, uniting an international consortium of experts that will work on the discovery and production of high value sustainable marine microbiome-based products, processes and services.

Blueremediomics at a glance

The marine microbiome is one of the fastest growing segments of the blue bioeconomy, and its study is vital for the discovery, understanding, protection and utilisation of our ocean resources. BlueRemediomics will develop novel tools and approaches to explore marine microbiome data, uniting an international consortium of experts that will work on the discovery and production of high value sustainable marine microbiome-based products, processes and services.

BlueRemediomics will systematically catalogue marine microbiome data and marine culture collections to facilitate the development of industrial processes that reduce waste, increase the reuse of natural products and by-products, and improve aquaculture processes. The project simultaneously aims to ensure equitable access to and sharing of benefits derived from any new products, such as new medicines or cosmeceuticals. It will also gauge the societal appetite for biobased solutions.

Objectives

- 1 Develop and provide an integrated bioinformatics platform to explore the marine microbiome potential.
- 2 Provide training, tools and resources to a variety of stakeholders.
- 3 Apply the platform to identify and develop natural products derived from marine microbes.
- 4 Foster aquaculture and ecosystem services that embody the "do no significant harm" principle.
- 5 Maximize equitable access to ocean microbiome resources and increase awareness of the marine microbiome to a diverse range of stakeholders.
- 6 Establish innovative culturomics and high-throughput screening platforms to experimentally exploit consortia of marine microbes.

Expected Results

The project aims to achieve improved knowledge and data that will allow the development of **legislative frameworks** to better monitor, understand and protect the marine microbiome. It will enable the **sustainable and equitable exploitation** of marine microbiome as a bioresource to its full potential and will set the groundwork for the production of novel, sustainable and **natural products** based on marine bioresources.

[VISIT WORK PACKAGES](#)

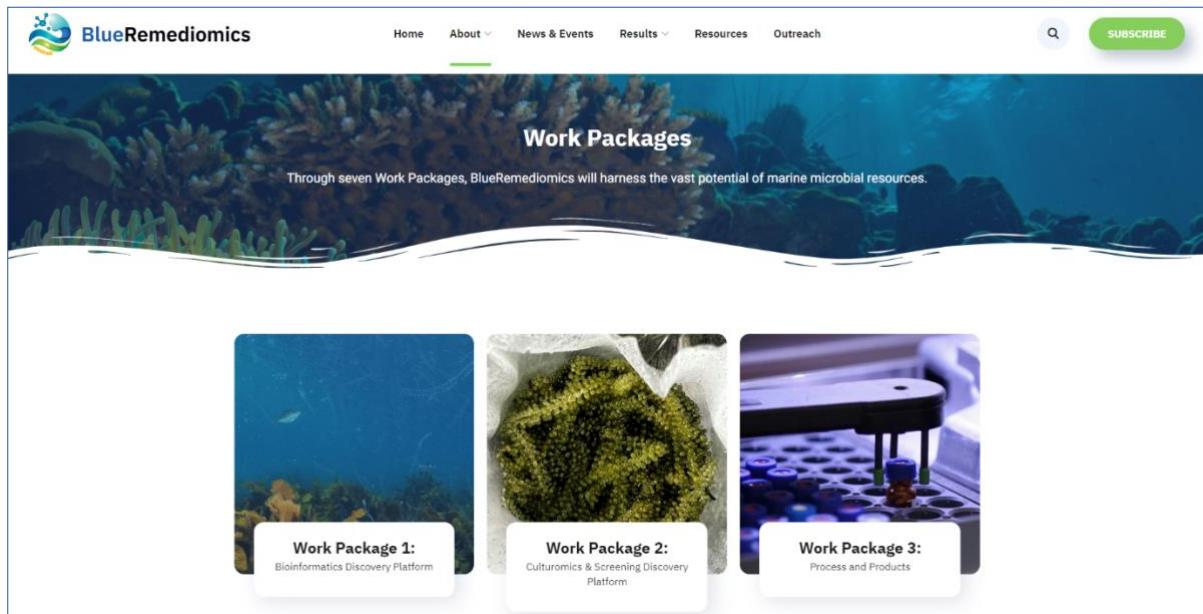
Contact Us

Funded by the European Union

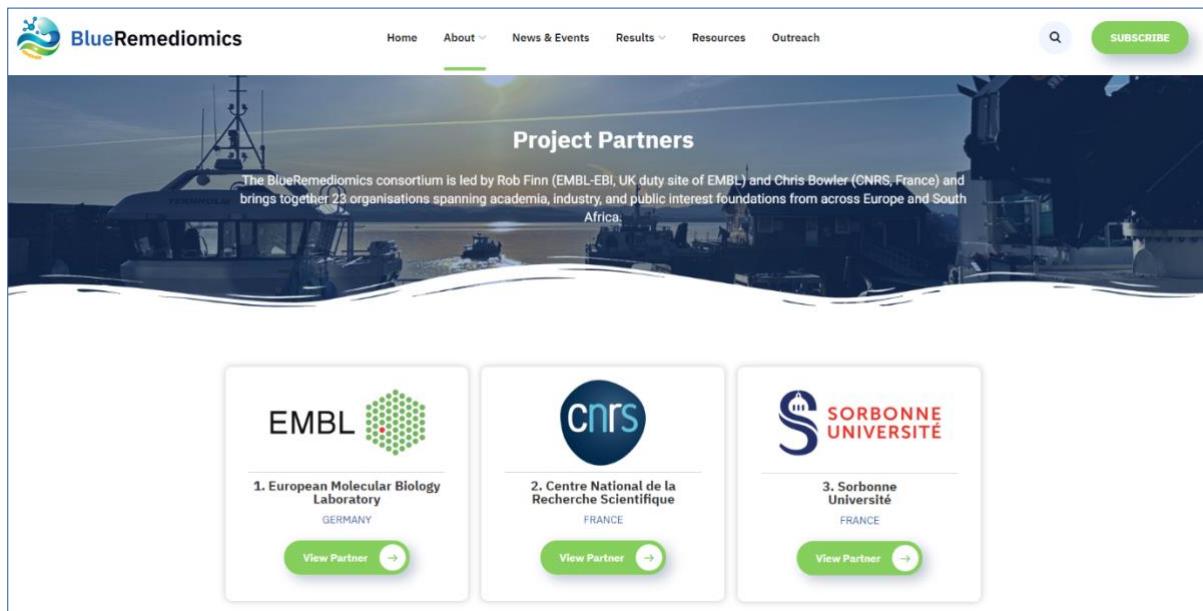
UKRI UK Research and Innovation

Project funded by Schleswig-Holstein State Ministry for Science and Culture

Project funded by Schleswig-Holstein State Ministry for Science and Culture



BlueRemediomics website screenshot showing the 'Work Packages' section. The header includes the logo, navigation menu (Home, About, News & Events, Results, Resources, Outreach, Search, and a green 'SUBSCRIBE' button). The main content features a banner with an underwater scene and the text 'Work Packages'. Below the banner are three cards: 'Work Package 1: Bioinformatics Discovery Platform' (image of an underwater scene), 'Work Package 2: Culturomics & Screening Discovery Platform' (image of green marine life in a container), and 'Work Package 3: Process and Products' (image of laboratory equipment).



BlueRemediomics website screenshot showing the 'Project Partners' section. The header includes the logo, navigation menu, and a 'SUBSCRIBE' button. The main content features a banner with a ship at sea and the text 'Project Partners'. Below the banner are three cards: '1. European Molecular Biology Laboratory GERMANY' (EMBL logo), '2. Centre National de la Recherche Scientifique FRANCE' (CNRS logo), and '3. Sorbonne Université FRANCE' (Sorbonne Université logo). Each card has a 'View Partner' button.

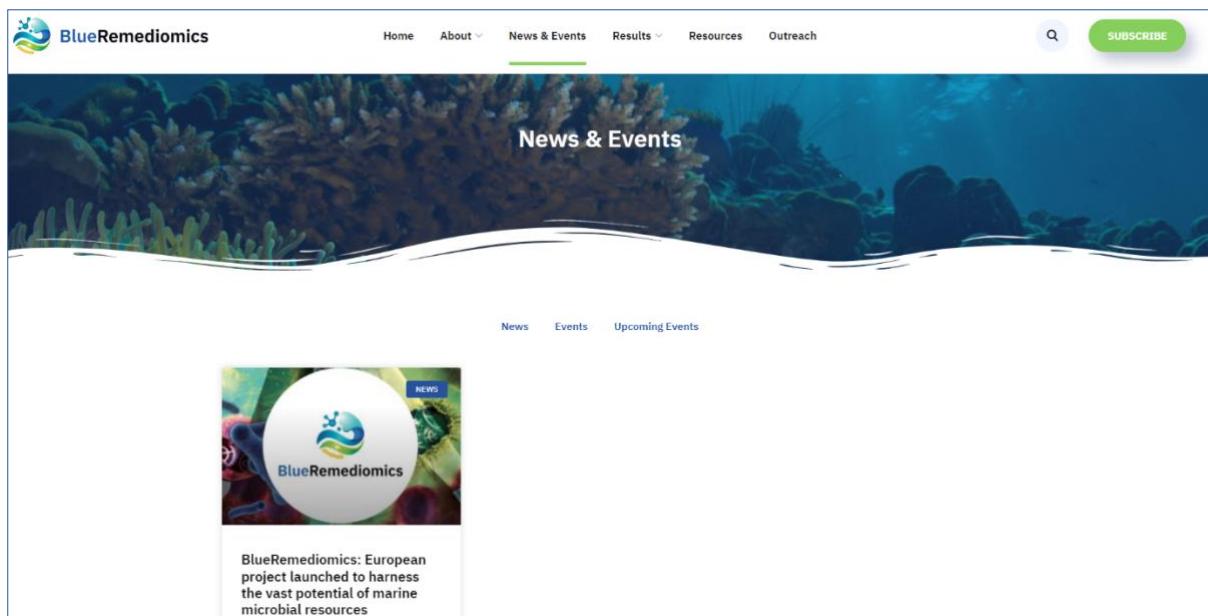
3.3. Website Footer

The footer of the website includes relevant contact information to enable users to get in touch with the Project Coordinator (EMBL), Project Manager (EMBL) and the Communication Team for BlueRemediomics (ERINN). It also includes the European flag and funding statement, which must be placed on all BlueRemediomics communication materials to acknowledge EU support (Grant Agreement, Article 17.2), as well as acknowledgement to funding sources for the Associated Partners on the project, namely UKRI and SERI.



3.4. News & Events

This section will be regularly updated with BlueRemediomics relevant news and events once launched and can contain any relevant project updates, including also the advertisement of open posts for recruitment related to the project.



3.5 Results

This section introduces the publications and deliverables to be published under the umbrella of BlueRemediomics. When available, the links will provide more information about these research activities and publications, including their data.

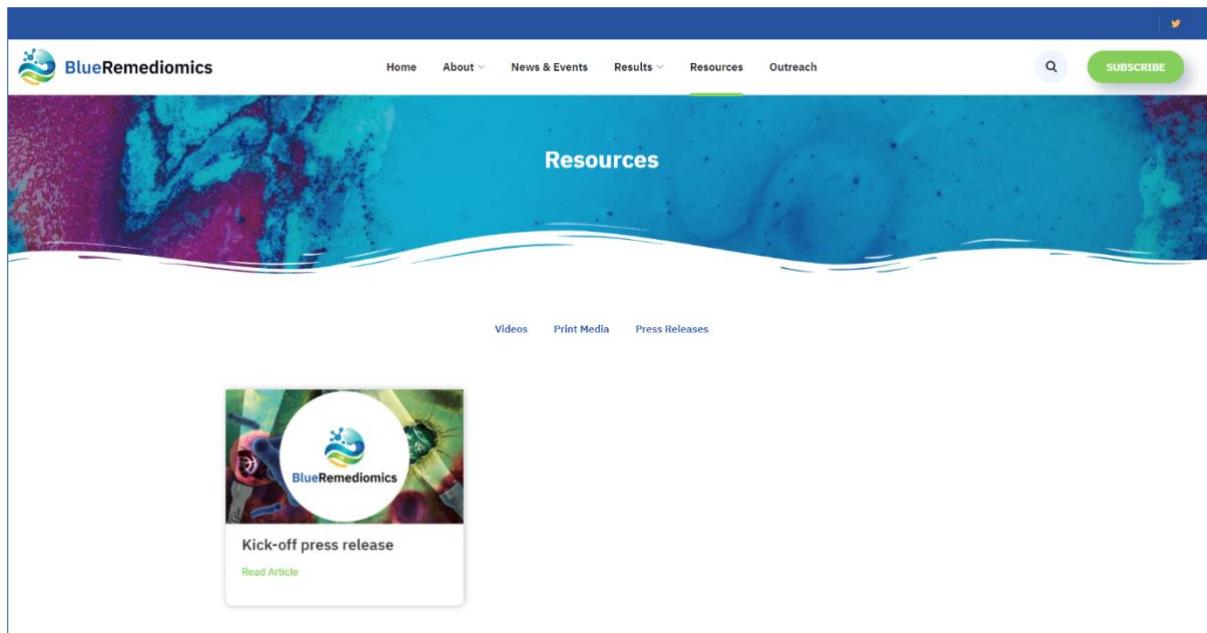
The Results section will include two modules:

- **Deliverables** - This module will list all Deliverables of the BlueRemediomics project, providing detailed information on each and will also provide users with access to final Deliverables with a public status.

- **Publications** - This module will serve as an open archive for publications resulting from the BlueRemediomics project, linking to their Open Access sources, including underlying data.

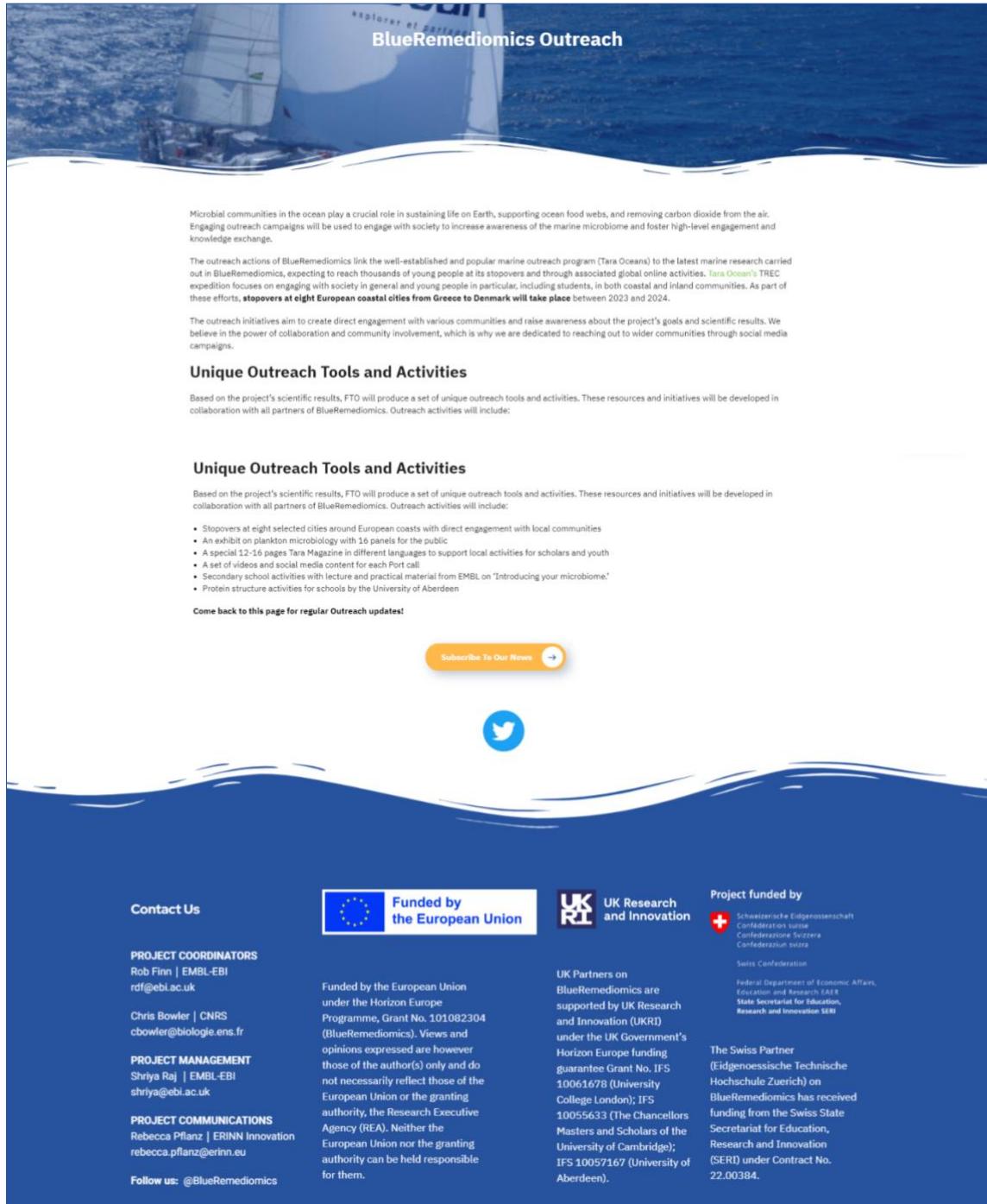
3.6. Resources

The 'Resources' section will house all communication and dissemination products and activities, including press releases, videos, the project factsheet, training materials, and other relevant resources developed by the consortium during the project's lifetime. It will be updated as the project progresses and all information in the resources section will be available to download by users.



3.7. Outreach

The outreach section of the website covers activities aimed to raise awareness among the public and will be continuously updated with information on new outreach actions taking place. The outreach actions will link the BlueRemediomics project activities with the TREC expedition (TRaversing European Coastlines; a *Tara Oceans-EMBL-CNRS* collaborative) during the latter's port calls at eight European coastal cities scheduled between 2023 and 2024.



BlueRemediomics Outreach

Microbial communities in the ocean play a crucial role in sustaining life on Earth, supporting ocean food webs, and removing carbon dioxide from the air. Engaging outreach campaigns will be used to engage with society to increase awareness of the marine microbiome and foster high-level engagement and knowledge exchange.

The outreach actions of BlueRemediomics link the well-established and popular marine outreach program (*Tara Oceans*) to the latest marine research carried out in BlueRemediomics, expecting to reach thousands of young people at its stopovers and through associated global online activities. *Tara Oceans*' TREC expedition focuses on engaging with society in general and young people in particular, including students, in both coastal and inland communities. As part of these efforts, **stopovers at eight European coastal cities from Greece to Denmark will take place between 2023 and 2024**.

The outreach initiatives aim to create direct engagement with various communities and raise awareness about the project's goals and scientific results. We believe in the power of collaboration and community involvement, which is why we are dedicated to reaching out to wider communities through social media campaigns.

Unique Outreach Tools and Activities

Based on the project's scientific results, FTO will produce a set of unique outreach tools and activities. These resources and initiatives will be developed in collaboration with all partners of BlueRemediomics. Outreach activities will include:

Unique Outreach Tools and Activities

Based on the project's scientific results, FTO will produce a set of unique outreach tools and activities. These resources and initiatives will be developed in collaboration with all partners of BlueRemediomics. Outreach activities will include:

- Stopovers at eight selected cities around European coasts with direct engagement with local communities
- An exhibit on plankton microbiology with 16 panels for the public
- A special 12-16 pages *Tara Magazine* in different languages to support local activities for scholars and youth
- A set of videos and social media content for each Port Call
- Secondary school activities with lecture and practical material from EMBL on "Introducing your microbiome."
- Protein structure activities for schools by the University of Aberdeen

Come back to this page for regular Outreach updates!

[Subscribe To Our News](#)

[Twitter](#)

Contact Us

PROJECT COORDINATORS
Rob Finn | EMBL-EBI
rdf@ebi.ac.uk

Chris Bowler | CNRS
cbowler@biologie.ens.fr

PROJECT MANAGEMENT
Shriya Raj | EMBL-EBI
shriya@ebi.ac.uk

PROJECT COMMUNICATIONS
Rebecca Pflanz | ERINN Innovation
rebecca.pflanz@erinn.eu

Follow us: @BlueRemediomics

Funded by the European Union

UKRI UK Research and Innovation

Project funded by

Swiss Confederation
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAEK
State Secretariat for Education,
Research and Innovation SERI

The Swiss Partner
(Eidgenössische Technische
Hochschule Zürich) on
BlueRemediomics has received
funding from the Swiss State
Secretariat for Education,
Research and Innovation
(SERI) under Contract No.
22.00384.

4. Conclusion

The BlueRemediomics project website aims to be informative and visually attractive with a user-friendly navigation system. The website plays an important role in the communication of the project since it is a resource to: (a) promote the project, its objectives and its partnership; and (b) disseminate information on the progress and results to interested parties. The website will also be a depository of public deliverables, publications, factsheets, and other resources, which will be developed by the project consortium throughout the project's lifetime. Maintenance and regular update of the website and its contents will be centrally managed by Beneficiary ERINN. The website is available from www.blueremediomics.eu.

Project Coordinators

Dr Rob Finn | rdf@ebi.ac.uk

Prof. Chris Bowler | cbowler@biologie.ens.fr

Project Manager

Dr Shriya Raj | shriya@ebi.ac.uk

Press and Communications

Rebecca Pflanz | rebecca.pflanz@erinn.eu

Website: blueremediomics.eu

Twitter: [@BlueRemediomics](https://twitter.com/BlueRemediomics)