

Harnessing Microbes to Combat Climate Change

Braga (Portugal), 01 August 2024 – The Horizon Europe Microbial services addressing climate change risks for biodiversity and for agricultural and forestry ecosystems: enabling curiosity-driven research and advancing frontier knowledge - **MICROBES-4-CLIMATE** project started in February 2024 and is set to run for five transformative years. It is a pioneering European initiative dedicated to leveraging the power of microbes to address the pressing challenges posed by climate change. The **MICROBES-4-CLIMATE** team is a consortium of thirty one partners, three research infrastructures ([AnaEE-ERIC](#), [LifeWatch-ERIC](#), and [MIRRI-ERIC](#)) and twenty eight academic and research organisations, coordinated by MIRRI-ERIC, underscoring the critical role of Research Infrastructures supporting environmental sustainability research.

Transformational Access to Cutting-Edge Resources

MICROBES-4-CLIMATE offers Transnational Access (TNA) services, providing researchers with unparalleled access to a vast array of advanced facilities, experimental sites, and specialized laboratories. These resources enable scientists to conduct high-impact research, fostering collaboration across borders and disciplines. This initiative enables interdisciplinary research and innovative solutions to address global challenges such as climate change, food security, and biodiversity loss.

Driving Innovation and Collaboration

The project capitalizes on the combined expertise and resources of the above-mentioned consortium to offer complementary services that encompass microbial resources, plant phenotyping, biodiversity monitoring, ecosystem analysis, and bioinformatics. Together, the **MICROBES-4-CLIMATE** consortium harnesses the potential of microbes to mitigate climate impacts and build a thriving planet for all.

Engaging with the project:

Catalogue of Services

Get ready to explore! Our highly anticipated catalogue of Services will soon be available online. This comprehensive resource will offer detailed information on the cutting-edge microbial technologies and services developed by our project. It's a one-stop hub for researchers, industry professionals, and policymakers to discover innovative solutions for environmental sustainability.



Transnational Access (TNA) Platform

MICROBES-4-CLIMATE TNA platform will soon be available for the research community. This platform will facilitate the management of the TNA calls providing free access to state-of-the-art facilities, expertise, and resources across Europe. If you are developing a project or a thesis addressing microbial solutions for climate change, here is a game changing opportunity to enhance your organisation's technologies with those offered by **MICROBES-4-CLIMATE**. Calls will open soon where several project resources will be made available for the research community and you will be welcome to apply for its use.

The first TNA call is expected to open in early 2025. This call will invite researchers from around the world to apply for access to our exceptional resources and facilities. It represents a significant milestone for **MICROBES-4-CLIMATE**, enabling us to extend our reach and impact through collaborative research and innovation. Mark your calendars!

Stay tuned for more updates as we continue to advance our mission of leveraging microbial power for a sustainable future. Together, we are making strides toward a healthier planet!

For more information, please contact:

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Follow [M4C on LinkedIn](#), [M4C on Twitter](#) and [M4C Website](#)

Visit [MIRRI-ERIC website](#)

ABOUT MIRRI:

The **Microbial Resource Research Infrastructure – European Research Infrastructure Consortium (MIRRI-ERIC)** is the pan-European distributed Research Infrastructure for the preservation, systematic investigation, provision and valorisation of microbial resources and biodiversity. It brings together ~50 microbial domain Biological Resource Centres (mBRCs), culture collections and research institutes. MIRRI serves the bioscience and the bioindustry communities by facilitating the access, through a single point, to the broadest range of high-quality microorganisms, their derivatives, associated data and services, with a special focus on the domains of Health & Food, Agro-Food, and Environment & Energy. By serving its users, by collaborating with other research infrastructures and by working with public authorities and policy makers, MIRRI contributes to the advancement of research and innovation in life sciences and biotechnology, as well as for a sustainable, competitive and resilient bioeconomy. For more information, please visit www.mirri.org and <https://www.linkedin.com/company/microbial-resource-research-infrastructure/>.

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