

GATEWAY TO SCIENTIFIC COLLABORATION

Designed to bring together inspiring excellence and expertise for all of IS_MIRRI21 and MIRRI's wide-ranging stakeholders



COLLABORATIVE WORK ENVIRONMENT (CWE)

The CWE is a single-entry point to a virtual platform for users during and beyond IS_MIRRI21, where they can communicate and access information in a time-efficient way.



IS_MIRRI21 ambition

Promotion of transnational cooperation between different stakeholders and mobility of researchers through high class pan-European Research Infrastructures.

IS_MIRRI21 impact

Establishment of science policy in Europe and setting the European Research Infrastructure to reach scientific communities, industries and strategic partners in third countries.

Project duration

February 2020 - January 2023

Project partnership



For more information

Our website

ismirri21.mirri.org

Contact us through

info@mirri.org

Our social media

[@MIRRI_live](#) [@mirri.esfri](#) [MIRRI/IS_MIRRI21](#)



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Implementation and Sustainability of Microbial Resource Research Infrastructure for 21st Century

IS_MIRRI21

IS_MIRRI21 is a Horizon 2020 project that supports research, development and innovation in the use and preservation of microbial life for the purpose of basic and applied scientific research through the implementation of the Microbial Resource Research Infrastructure (MIRRI) and securing its long-term sustainability.

IS_MIRRI21 will implement and sustain the collection, preservation, study and exploitation of microorganisms through microbial collection infrastructures attained in the preparatory phase of MIRRI and continuously enforce the activities for MIRRI to join the European Research Infrastructure Consortium (ERIC).

IS_MIRRI21 Services

- Consultancy and training for public institutes and bioindustries
- Access to the broadest catalogue of microbial resources in Europe
- Identification and characterisation of microbial strains
- Screening and testing of biological materials
- Access to leading state-of-the-art facilities to disclose the significance of microorganisms
- Access to large data sets associated with microbial strains via a user-friendly online platform

Key Project Outcomes

- A fully functional MIRRI- Collaborative Work Environment online platform
- Efficient Transnational Access programme, training and specialised courses, as well as informative materials on the roles of microbes in society made globally accessible
- A viable action plan implemented for the continuity and self-sustainability of MIRRI beyond the duration of the project and the enlargement of its partnerships.

MIRRI Microbial Resource Research Infrastructure as a sustainable entity

MIRRI is in its construction phase to be established as a European Research Infrastructure Consortium (ERIC) under the EU law.

The **MIRRI** Memorandum of Understanding to establish **MIRRI-ERIC** was signed by nine European Union countries and one associated country, which has thus propelled the work to moving forward with **MIRRI**.

MIRRI-ERIC Headquarters will be hosted by Portugal and Spain.

MIRRI includes over 53 microbial Biological Resource Centres and Culture Collections belonging to 10 National Nodes with over 300,000 strains.

By providing high-quality microorganisms, associated data and the broad expertise of its partners, MIRRI aims to support research and development in the field of biomedical and life sciences.

The MIRRI membership is currently composed by 10 countries



MIRRI's EXISTING BIOLOGICAL ISOLATES INCLUDE

Bacteria, yeast, filamentous fungi, virus, archaea, microalgae, prions, bacteriophages, plasmids as well as cloning vectors and over 200,000 clones of DNA libraries.

MIRRI's CONSORTIUM DOMAINS OF INTEREST AND APPLICATIONS INCLUDE

Fundamental and applied research, human, animal and plant health, aquatic ecology, molecular biology, environmental and food microbiology, agronomy, biotechnology, bio-fuel production, agriculture, cosmetics, water treatment and multiple clinical application.