

MISSIONE 4
ISTRUZIONE
RICERCA

STRENGTHENING THE MIRRI ITALIAN RESEARCH INFRASTRUCTURE FOR SUSTAINABLE BIOSCIENCE AND BIOECONOMY



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PIANO NAZIONALE
DI RIPRESA E RESILIENZA

Panel di riferimento: **H&F**

Titolo della Proposta: **Strengthening the MIRRI Italian Research Infrastructure for Sustainable Bioscience and Bioeconomy**

Codice della proposta: **IR0000005**

Tipologia: **(i) - Empowering**

Proponente: **UNITO**

Infrastruttura di Ricerca: **MIRRI - Microbial Reserch Resource Infrastructure**

Importo totale: **16.949.360,37€**

Di cui al Sud: **6.768.801,72€ (39,94%)**

Abstract:

Microorganisms and microbiomes are crucial for several research areas and applications (e.g. agri-food, environmental, biotechnological, biomedical sectors). Indeed, as whole organisms or as products (enzymes, antibiotics, etc), they can be harnessed for production of foods, pharmaceuticals and fragrances, for agricultural processes and in fighting climate changes. The Microbial Resource Research Infrastructure (MIRRI) is the pan-European infrastructure in charge of preservation, analysis, supply and valorization of microbial resources and biodiversity. MIRRI has recently achieved the “Landmark” status on the European Strategy Forum on the ESFRI Roadmap 2021 and is working towards the European Research Infrastructure Consortium (ERIC) status. The Italian microbial Biological Resource Centres (mBRCs) took part in the preparatory phase of the creation MIRRI from the beginning, being involved in the IS_MIRRI21 project (Implementation and Sustainability of Microbial Resource Research Infrastructure for the 21st Century) that aims at the self-sustainability of MIRRI in EU.

The main goal of this project is to strengthen the MIRRI-IT RI that represents the Italian network of collections of microorganisms governed by the JRU MIRRI-IT (www.mirri-it.it) to ensure its long-term sustainability. Therefore, the project intends to:

- implement MIRRI-IT’s organisation and set up its operative procedures and quality standards;
- improve mBRCs quality and conceive MIRRI-IT’s services based on the partners’ expertise and genetic resources;
- set up a single-entry point platform to promote the resources and their data, services, cutting-edge technologies, expertise;

- strengthen both connections with stakeholders and synergies with other research infrastructures in Italy;
- develop models and plans to support MIRRI

Elenco partecipanti alla Proposta:

- Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile
- Consiglio Nazionale delle Ricerche
- Istituto Nazionale di Oceanografia e di Geofisica Sperimentale
- Università degli Studi della Basilicata - Potenza
- Università degli Studi di Cagliari
- Università degli Studi di Genova
- Università degli Studi di Modena e Reggio Emilia
- Università degli studi di Napoli Federico II
- Università degli Studi di Palermo
- Università degli Studi di Parma
- Università degli Studi di Perugia
- Università degli Studi di Sassari
- Università degli Studi di Torino
- Università degli Studi di Verona
- Università degli Studi Milano Bicocca