

MISSIONE 4
ISTRUZIONE
RICERCA

ITALIAN INTEGRATED ENVIRONMENTAL RESEARCH INFRASTRUCTURES SYSTEM



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Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA

Panel di riferimento: *ENV*

Titolo della Proposta: **Italian Integrated Environmental Research Infrastructures System**

Codice della proposta: **IR0000032**

Tipologia: **(iii) - Networking**

Proponente: **CNR**

Infrastruttura di Ricerca: **ACTRIS - Aerosol, Clouds, and Trace gases Research**

InfraStructure

Importo totale: **155.208.808,81€**

Di cui al Sud: **70.300.602,30€ (45,29%)**

Abstract:

ITINERIS will build the Italian Hub of Research Infrastructures in the environmental scientific domain for the observation and study of environmental processes in the atmosphere, marine domain, terrestrial biosphere, and geosphere, providing access to data and services and supporting the Country to address current and expected environmental challenges. ITINERIS coordinates a network of national nodes from 22 RIs (18 from the environmental domain, 2 from agri-food with strong link with the environment and 2 from the PSE domain, supporting services for the marine domain).

The main goal is to develop cross-disciplinary research in environmental sciences through the use and re-use of existing (or pre-operational) data and services and new observations, to address scientifically and societally relevant issues such as sustainable use of natural resources, implementation of Nature-Based Solutions, Green and Blue Economy, pollution reduction, critical zone and ecosystem management and restoration, carbon cycle, mitigation of the downstream effects of climate and environmental change.

ITINERIS has been designed looking at synergy with the European RI framework, and it will support the participation of Italian scientists in pan-European initiatives (ENVRIFAIR, EOSC) and in HE (Pillar 1, Missions, Partnerships, Clusters).

ITINERIS will have significant impact on national environmental research, providing scientific support to the design of actionable environmental strategies. ITINERIS adopts a whole-system, cross-disciplinary approach to the Earth System and its changes, allowing users to benefit from the integrated system of RIs and the knowledge it produces. This broadscale vision of environmental research, sustained by the main Italian environmental scientists involved in

European RIs, is truly innovative and it will support our Country in taking a leading role in European environmental research, designing the framework for the next decades.

Elenco partecipanti alla Proposta:

- Consiglio Nazionale delle Ricerche
- Istituto nazionale di fisica nucleare
- Istituto nazionale di geofisica e vulcanologia
- Istituto Nazionale di Oceanografia e di Geofisica Sperimentale
- Istituto superiore per la protezione e la ricerca ambientale
- Università degli Studi Ca' Foscari - Venezia
- Università degli Studi di Firenze