

Enhance interdisciplinary Research and Innovation capacities on environmental challenges: the ITINERIS HUB

Carmela CORNACCHIA - CNR-IMAA

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).

ITINERIS HUB is designed to connect the established network of distributed national environmental research infrastructures to as wide as possible user community. Following a user-centric approach and in accordance with the RIs' network technical capability and mission, access services to the national RIs' facilities services and fair resources (data, services and other research outputs) will be set up. Most of the 22 RIs participating in ITINERIS already offer data and services (technical, research, innovation up to close to market) from and across different domains of the Earth system - Atmosphere, Hydrosphere, Terrestrial Biosphere and Geosphere through different systems, protocols, portals and different access and FAIRification procedures.

ITINERIS will enhance interdisciplinary Research and Innovation capacities addressing environmental societal challenges (i.e. climate related-risks on the environment, ...) in Italy by providing a central HUB running as integrated access and service portal and a common framework for the access to facilities, data and related services.