The Ligurian Cluster for Marine Technologies (DLTM): matching local research and industrial needs on oceanographic data

The main role of the CoRe Labs will be to foster the relationships between science and industry, encouraging a systemic networking approach and sharing of knowledge, data, services, tools and human resources. The obtained results of the S. Colloca Lake Macerata will lead to the creation of the DLTM RMI Centre (Regional Marine Instrument Centre), a new reality of shared tools and knowledge belonging to the entrepreneurial background and the research world.

INNOVATIVE Organization

DLTM is the Liguria Region Marine Technology Cluster: it involves about 120 enterprises – of which, more than 100 Small and Medium Enterprises (SMEs) –, the University of Genoa, all the main Research Centres dealing with maritime and marine technologies based in Liguria (SMIC, EMODnet, RMI Centre, Navy (CSSN), the Bank and the Port Authority and the Chamber of Commerce of the city of La Spezia.

INNOVATIVE Networking

Following to mission, DLTM is establishing three Delegations (CoRe Labs) focused on:
1. Computational Fluid Dynamics (CFD).
3. Monitoring and Analysis of Marine Ecosystems (MARE).

At first, the purpose of the DLTM RMI Centre (Regional Marine Instrument Centre), a new reality of shared tools and knowledge belonging to the entrepreneurial background and the research world.

INNOVATIVE Technology

The RMI Centre will be networked with the European and international programs such as GEOSS (Global Earth Observation System of Systems), EMODnet (European Marine Observation and Data Network) and GMES (Global Monitoring for Environment and Security) by pursuing a broader dimension of the existing Ligurian monitoring system. The objective of this step will be to introduce DLTM to new scientific community and the DLTM members. In this phase, the RMI Centre will be able to provide intercomparisons tests between the different laboratories of the above mentioned networks, in order to guarantee compliance between data and models.

INNOVATIVE Applications

The RIMA Project ("Development of technologies and software for an Integrated Forecasting Mediterranean Network as a management tool for the marine and coastal environment") is actually submitted to the Italian Ministry of Education, University and Research for its funding.

Furthermore, and in agreement with the purposes of the RIMA Project, the RMI Centre will be able to supply services of marine forecasting, for which a reference market consisting of organizations, SMEs and Large enterprises, regional and local administrations, is seemingly interested.

On the other hand, this services will encourage and support both scientific and industrial R&D projects in order to develop the Ligurian marine industry, stimulate and improve productivity – with oligarch to biological, economical and social sustainable uses of the Ligurian and the Mediterranean Sea resources.