A new protocol in La Spezia for elementary and secondary school students for monitoring Perception towards Science and Performance in Science Classrooms

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Technological and scientific research in La Spezia (an Italian town with a population of 95,378) is, unfortunately, unknown to most people and often the existence of excellent research Centres (such as CNR-ISMAR, CNR-IENI, ENEA-UTMAR, INGV, CMRE, CSSN and University) is barely known, even just outside the La Spezia area. The current economic crisis has played a major role in determining the decline in maritime business (affecting all companies in the area and particularly SMEs).

Therefore it is important to re-establish the relationship with the traditional maritime culture of the city. This objective can be achieved by enhancing research visibility (national and european) by dissemination of the activities carried out by research institutions, university and local enterprises.

La Spezia has a long maritime tradition and it is vital for these customs to be kept alive and cultivated within the community. The cultural scene is positive: in fact, in the last decade the general public’s perception on the importance of science in the context of human activities has been considerably strengthened.

In La Spezia, especially since 2007, an increasing number of disseminating activities (carried out by CNR-ISMAR, CNR-IENI, ENEA-UTMAR, INGV, CMRE, CSSN and University) has revealed an educational and cultural path which now requires a monitoring protocol to be carried out for at least two years. In this paper we will present a new test that will be administered to the entire student population (aged 6 to 18 years) with the aim to fully understand the effectiveness of initiatives for popularizing science and the impact that they are having on new generations (professional choices, scientific careers, environmental awareness, etc.).