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## EMSEA Med: a vibrant network for the diffusion of Ocean Literacy in the Mediterranean region

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EMSEA Med is an international Mediterranean group of educators and scientists/researchers. It was established in 2015 within EMSEA on the basis of the common regional origin and of the shared interest for the promotion of OL along the Mediterranean Sea. This “Sea in the middle of the Earth”, the largest and deepest enclosed sea on Earth, cradle of western civilization, global diversity hot spot, home to half billion people and world leading touristic destination, displays unique features that are under threat. That makes the diffusion of OL in this area necessary as OL citizens are able to make informed and responsible decisions regarding the Mediterranean Sea and its resources.

Since 2015 EMSEA Med group issued the following resources: (a) the translation of OL principles and concepts into different languages (GR, ES, IT) and (b) a Mediterranean Sea Literacy (MSL) Guide, containing the Mediterranean Sea Literacy principles and concepts, still undergoing revision and progressive refinement.

In the same period EMSEA Med group promoted the diffusion of OL through international conferences (EMSEA conferences 2016,2017; EGU conference 2018), as well as through a regional group page on EMSEA website and a Facebook page with updates and news on MSL, OL and other related issues.

EMSEA Med members also organized joint events (World Oceans Day and the European Maritime Day) and implemented educational activities for schools and general public, included, in one country, teacher-training courses.

In order to integrate the educational activities, EMSEA Med members from Italy, Greece and Croatia proposed to start a research program to investigate and measure OL among younger students of the Mediterranean countries. The measurement of OL will help us to: a) assess the quality of marine education in national education systems across the Mediterranean Sea and b) have a baseline for better promoting OL in the future.

For this purpose a questionnaire was drafted grounding on OL and MSL principles and following the guidelines of OL Scope and Sequence for Grades K-12 (NMEA, 2010). The questionnaire includes multiple-choice questions and attitude questions, addressing the students’ knowledge and opinions about the ocean and the Mediterranean Sea.

Two versions of this tool (for ages 8-12 and 13-15, primary and middle school respectively) were designed and developed in English, translated into Italian, Greek, and Croatian, and pilot tested in the respective countries. About 800 questionnaires have been collected (500 from Italy, 250 from Greece and 100 from Croatia). This activity is at its early beginning and further research is needed concerning validity and reliability.

OL approach is quite new for Mediterranean countries and exceeds the traditional naturalistic teaching of ocean sciences, so the collection of data and the development of new tools will help to evaluate the outcomes of the initiative and to improve Mediterranean Sea Literacy among future citizens.

\*The views and opinions in this abstract are the author’s own and do not necessarily reflect those of her institution

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