

United Nations Educational, Scientific and Cultural Organization



Intergovernmental Oceanographic Commission

Ocean Literacy: recent developments

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All aspects of life are deeply rooted in the ocean





Marine Ecosystem Services



Our Ocean Our Health

What does our ocean have to offer?













Threats



Ocean Literacy

- * Ocean Literacy means understanding the ocean's influence on you and your influence on the ocean.
- * An ocean literate person is able to:
 - * Understand the importance of the ocean to humankind
 - * Can communicate about the ocean in a meaningful way
 - Is able to make informed and responsible decisions regarding the ocean and its resources



History of ocean literacy





Ocean Literacy





Atlantic Ocean Research Alliance





Sea Change & ResponSEAble



Some outputs





From ABC to ABSeas: Ocean Literacy for all 🔅

COURSE OVERVIEW

This first Ocean Literacy MOOC aims at sensitise and enable teachers and students to incorporate ocean literacy into educational programmes.

Education in its broader understanding (in both formal and informal settings) serves as a high potential channel to reach young citizens. As a lack of sufficient 'Ocean Literacy' has been identified in many countries, this clearly presents a barrier for citizens to engage in ocean responsible behaviour or consider ocean-related careers.

To overcome this, it is recommended to develop education to provide the capacity to understand environmental issues, to participate in decision-making processes and to bring about changes in behaviour.

Ocean Literacy can be seen as a way of incorporating scientific literacy in practice in **education**, whereby scientific literacy not only refers to a person's knowledge of science but also to his or her ability to **use this knowledge in making socially responsible decisions**.



European Marine Science Educators Association (EMSEA)





Adapting OL principles to the Med

What makes the Mare Nostrum special?

- The Mediterranean Sea is not only considered the cradle of civilization, but it has also great environmental, social and economic importance
- Hot spot for biodiversity
- Mediterranean brand
- First world tourist destination







Adapting OL principles to the Med (2)

Ocean Literacy - An understanding of the ocean's influence on you - and your influence on the ocean.

A framework made up of 7 essential principles, developed in the United States and now adapted for the Mediterranean Sea.

Ocean Literacy (OL) Principles

The Earth has one big

ocean with many features.

MSL1

The ocean and life in the ocean shape the features of Earth.

The ocean is a major influence on weather and climate.

The ocean made the Earth habitable.

The ocean supports a great diversity of life and ecosystems.

The ocean is largely unexplored.



OL 2

OL 3

OL 4

OL 5

The ocean and humans are inextricably interconnected.



MSL 2

The Mediterranean Sea has a major influence on climate and weather of the Mediterranean region.

The Mediterranean

Sea Literacy (MSL) Principles

The Mediterranean Sea, almost enclosed by land

of three continents (Europe, Africa and Asia) with

many unique features, is connected to the one big

The Mediterranean Sea and its living organisms

shape the features of the Mediterranean basin

ocean of the Earth.

and its adjacent land masses.



The Mediterranean Sea made the Mediterranean region habitable through its richness of life and its influence on the mainland which then became a cradle of world civilization.



The Mediterranean Sea is a marine biodiversity hot spot, with a high level of endemism.

Culture, history, economy, lifestyle, and well-being of its inhabitants are inextricably connected to the Mediterranean Sea.



A considerable part of the Mediterranean Sea is yet to be investigated.





Creation of national networks for OL









Ocean Literacy Italia





M/------

National Educational Programme





What are the current needs?

GLOBAL OCEAN GOVERNANCE LANDSCAPE





What are the current needs?









The way forward

*Reference *Quality *Hub *Synergyes *Partnerships



Example



Tsunami Information



Featured Resources



Conclusions

* Ocean literacy concept is evolving
* Several initiatives exist
* Need for a better connection with policy-making and blue economy
* Need for hub or one-stop-shop





Many Thanks f.santoro@unesco.org

