

United Nations Educational, Scientific and Cultural Organization



Intergovernmental Oceanographic Commission

Ocean Literacy: recent developments and the way forward

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All aspects of life are deeply rooted in the ocean



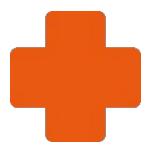


Our Ocean Our Health

What does our ocean have to offer?





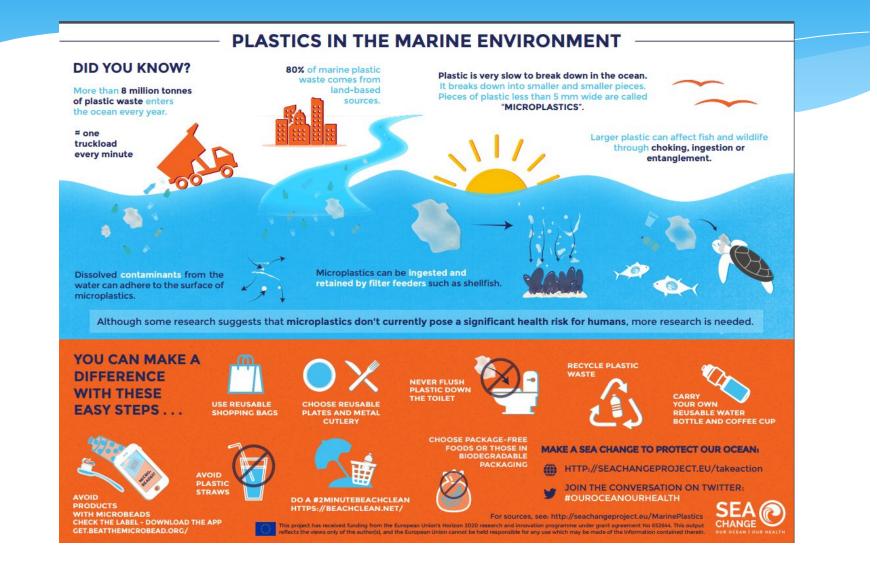








Threats

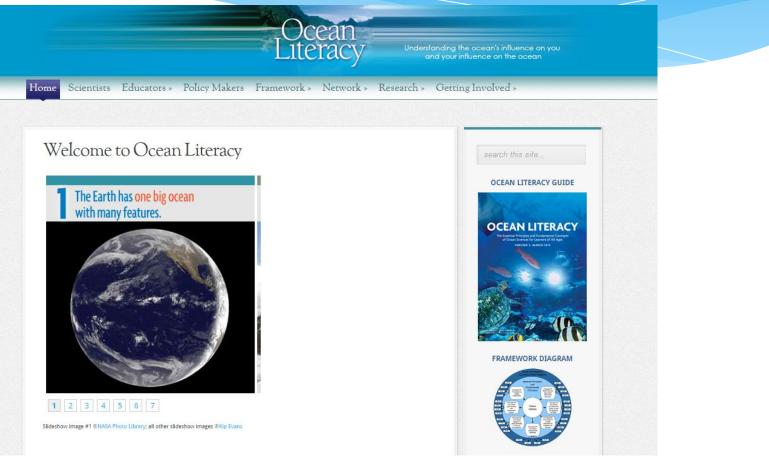


Ocean Literacy

- * 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

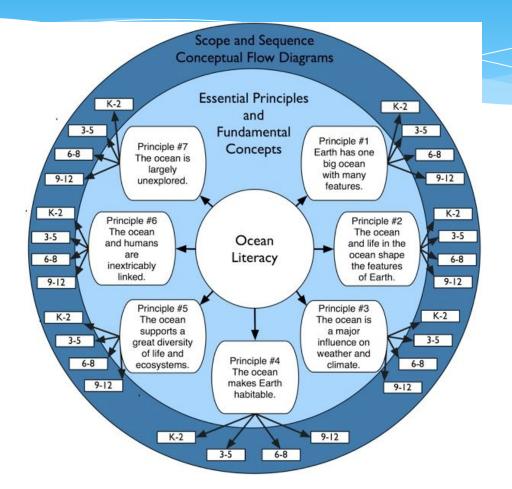


History of ocean literacy





Ocean Literacy



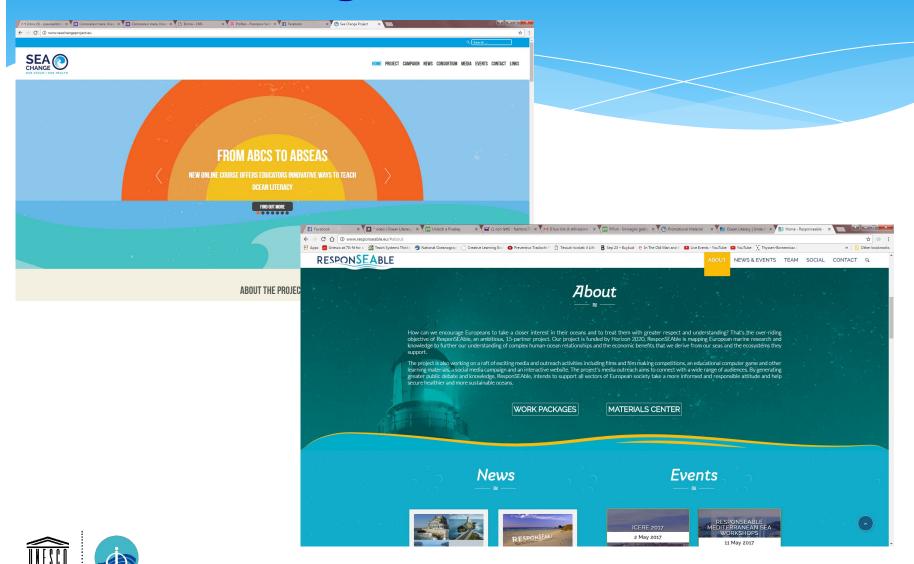


Atlantic Ocean Research Alliance



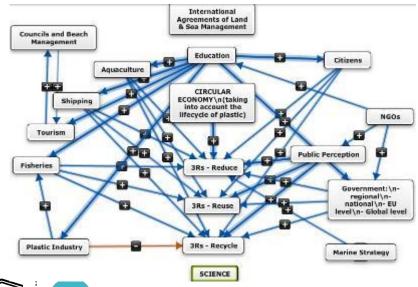


Sea Change & ResponSEAble



Some outputs







From ABC to ABSeas: Ocean Literacy for all 🔅

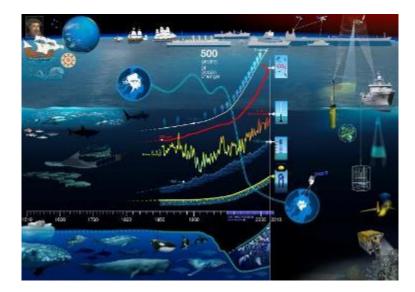
COURSE OVERVIEW

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

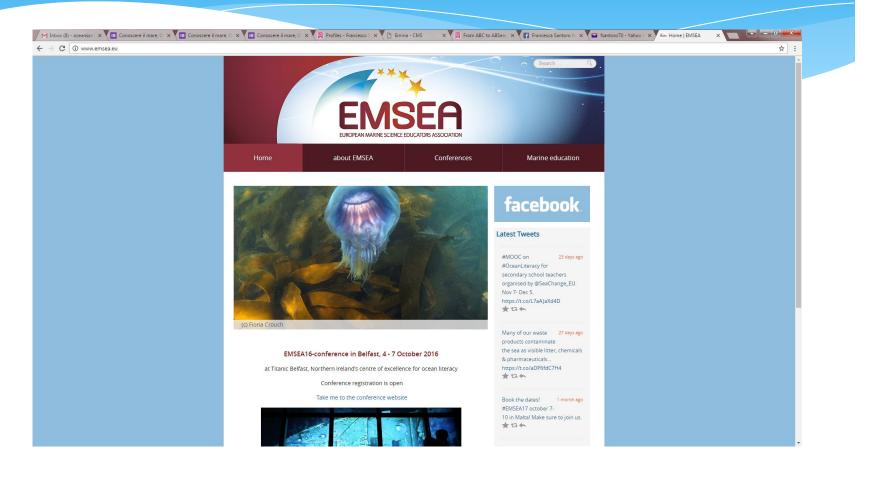
Education in its broader understanding (in both formal and informal settings) serves as a high potential channel to reach young citizens. As a lack of sufficient 'Ocean Literacy' has been identified in many countries, this clearly presents a barrier for citizens to engage in ocean responsible behaviour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

The ocean and life in the ocean

shape the features of Earth.



The Mediterranean Sea, almost enclosed by land of three continents (Europe, Africa and Asia) with many unique features, is connected to the one big ocean of the Earth.

The Mediterranean

Sea Literacy (MSL) Principles



The Mediterranean Sea and its living organisms shape the features of the Mediterranean basin and its adjacent land masses.



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



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.

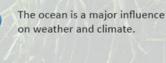


The Mediterranean Sea is a marine biodiversity hot spot, with a high level of endemism.

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.



The ocean made the Earth habitable.

The ocean supports a great diversity of life and ecosystems.

The ocean and humans are

inextricably interconnected.



OL 2

OL 3

OL 4

OL 5





The ocean is largely unexplored.

Creation of national networks for OL









Ocean Literacy Italia





National Educational Programme





UN Ocean Conference







Call for Action

Paragraph 13e: (e) Support plans to foster ocean-related education, for example as part of education curricula, to **PROMOTE OCEAN LITERACY** and a culture of conservation, restoration and sustainable use of our ocean



What are the current needs?

GLOBAL OCEAN GOVERNANCE LANDSCAPE





What are the current needs?









The way forward

*Reference
*Quality
*Hub
*Synergies
*Partnerships



Example



Tsunami Information



reatured Resources

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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

