

"Ocean Literacy and awareness raising of blue careers"

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Kick-off meeting of the expert group on skills and career development in the blue economy



Ocean Literacy for Empowered Citizens

"Ocean Literacy" - an understanding of the ocean's influence on us and our influence on the ocean.



An Ocean-Literate person:

- Understands 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

Home

Scientists Educators » Policy Makers Framework » Ne

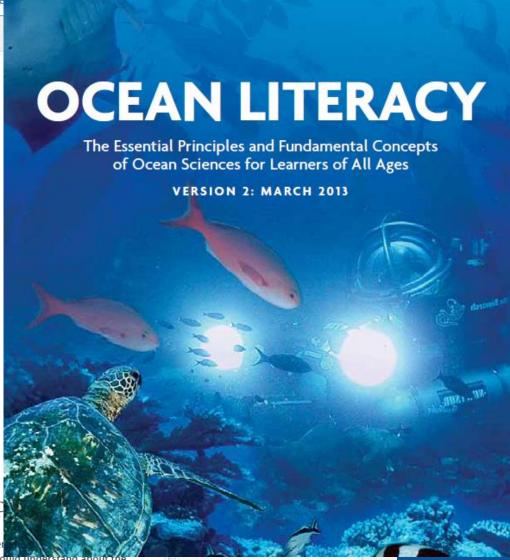
Welcome to Ocean Literacy



Slideshow image #1 @NASA Photo Library; all other slideshow images @Kip Evans

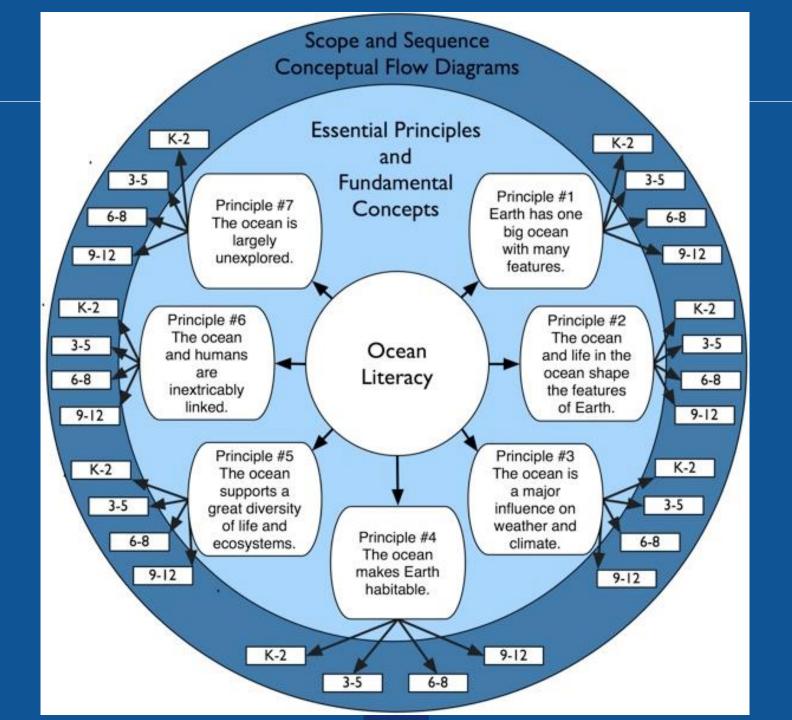
The ocean is the defining feature of our p

Ocean Literacy means understanding the ocean's influence on you and your influer 7 principles of Ocean Literacy — ideas scientists and educators agree everyone should understand ocean. Join the Network to build a more ocean literate society!



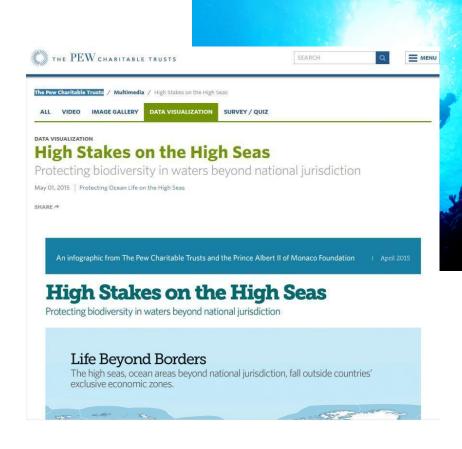
Please join the Ocean Literacy

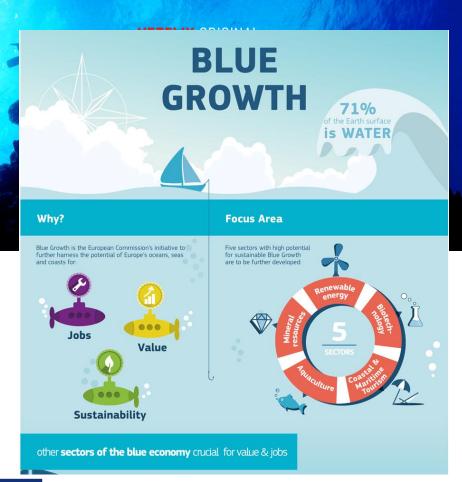
Network mailing list. Click here to join.



Ocean Literacy is not Communication

Many initiatives, media and social media, but how to amplify, reach people not already interested





Main EU Blue policies



The EU 'Blue' Policy context:

2008: EU Integrated Maritime Policy

Marine Strategy Framework Directive

2012-14: EU Blue Growth Agenda (Sea-basin Strategies e.g. the Atlantic Strategy and its Action Plan (aquaculture, biotech, energy, deep sea, tourism)

2014: Revised EU Common Fisheries Policy

Maritime Spatial Planning Legislation

2014: Several Communications, such as:

- the Blue Energy Communication
- the Blue Tourism Communication
- the Blue Innovation Communication (Joint RTD & MARE)



Galway Statement on Atlantic Ocean Research Alliance

Signed by Canada, the European Commission, and the United States May 2013



THE ATLANTIC A SHARED RESOURCE

Tri-Partite Galway Implementation Committee

"The What" - Ocean research and observation efforts defined under statements of purpose in which we have agreed to work together in the following priority areas of cooperation:

- Atlantic Seabed Mapping and Characterization
- Aquaculture
- Ocean Literacy
- Ocean Health and Stressors
- Ocean Observation and Prediction
- Marine Litter (G7 Science Ministers)











Priority Area of Cooperation:

Ocean Literacy

Objective - Make future citizens ocean literate so that they understand environmental challenges and policies, and make informed, responsible decisions based on ocean stewardship.

Ocean Literacy Working Group Co-Leads:

Canada – Anne Stewart (CaNOE)

EU – Ivan Conesa (EC)

USA – Paula Keener (NOAA)



Transatlantic Partnership

- National Oceanic and Atmospheric Administration (NOAA), USA
- National Marine Educators Association (NMEA), USA
- College of Exploration: the founders of the Ocean Literacy campaign in the USA.
- Centres for Ocean Sciences Education Excellence (COSEE), USA
- The Canadian Network for Ocean Education (CaNOE), Canada
- European Marine Science Educators Association (EMSEA)
- And several national scientific and educational institutions (including museums, univ, research,...)

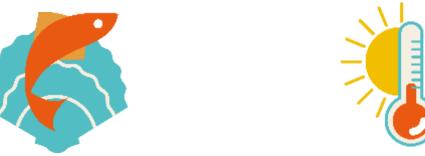
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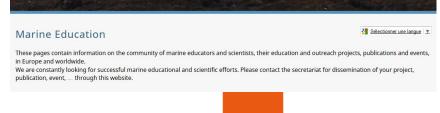




Our Ocean Our Health

What does our ocean have to offer?









Recreation





Economy



Transportation



Blue Schools

Blue Schools is about effective "BLUE" management of the curriculum.

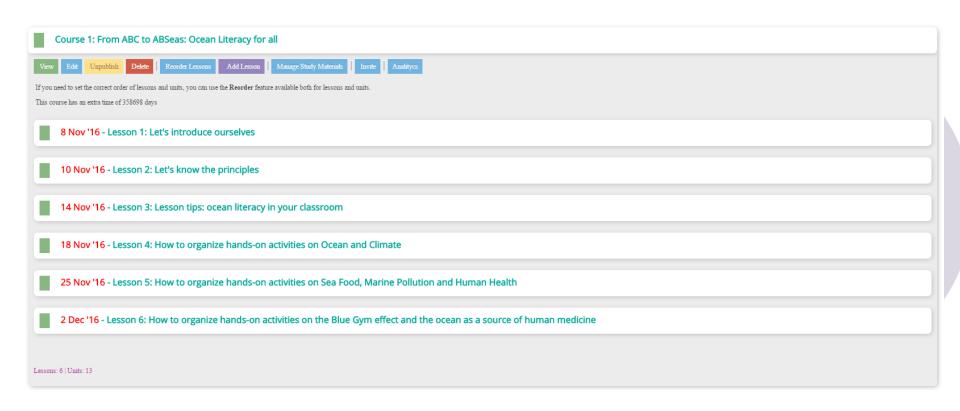
And involvement of professionals of the Sea (researchers, fishermen, shipping, harbors, ...)

2 strategies:

- develop the concept of Blue School
- Help Eco-schools to become more blue



Massive Open Online Course (MOOC) on Ocean Literacy





Mobilisation: Science & Society

Citizen Science Ocean Initiative

Citizen Science project 'Crab Watch' being tested & executed all over Europe.



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Public engagement across Europe:

Aquarium & Science Center events

Focus on: - inter-generational exchange of knowledge

- inter-stakeholder exchange: watersports

enthousiasts vs. public

Bulgaria, Estonia, Czech Republic, France & Argentina (2016-17)



Increasing the understanding and awareness of how European citizens affect and benefit from the ocean. To do this, the project decided to focus on some key ocean issues – the ResponSEAble's Key Stories.

They start with what we know about the current state of the oceans in relation to the specifics issues, how economic activities directly or indirectly connect to it, and our perceptions and understanding of this connection.

The identification of actors important to the issues, and gaps in knowledge that need to be filled

The identification of the activities and actors of the ocean economy connected to particular challenges has been implemented by using a "value chain approach".

Value Chain Approach

The purpose of this assessment is to make explicit the embedment of activities in a vertical/linear socio-economic structure and cross it with pressures so the different socio-ecological components of the system attached to a specific challenge of issue are well accounted for.

For the main economic activity associated to each key story, a value chain has been developed.

Any change in practice or behavior from activities that directly impact on marine ecosystems is likely to impact indirectly other activities and actors of the value chain. In some cases, activities of the value chain might be the main drivers for changes in the value chain that lead to the protection of marine ecosystems and their use as key factors of sustainable socio-economic development.

Key Story	Key Actors
Eutrophication and agriculture	Agricultural Producers Wholesalers Decision-makers
Sustainable Fisheries	The Public Wholesalers
Ballast water/invasive species	Shipowners European and National Legislators Marine Equipment Suppliers and Manufacturers of paints and coatings
Marine Renewable Energy	The Public Investors (public & private)
Microplastics and cosmetics	Cosmetic Producers NGOs Decision Makers
Coastal development/tourism	Hoteliers Tourists Policy makers Construction Marina managers Beach managers



ResponSEAble Summer Photo winner

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