EU4OCEAN & SCIENTIX WEBINAR

Unlocking Ocean Literacy and European Blue Schools


#EU4Ocean
#Youth4Ocean
#EUBlueSchools
Agenda

- Welcome by Irene Pateraki, EUN
- Network of European Blue Schools, by Evy Copejans & Dominika Wojcieszek
- Shape your future. Little waves make a big ocean, by Ana Norohna
- We are Blue Schools, by Christian Esteva Burgos
- Closure by Irene Pateraki, EUN
Evy Copejans
Dominika Wojciezek

EMSEA
European Marine Science Educators Association

Network of European Blue Schools

an initiative by EU4Ocean Coalition
DG MARE/CINEA

www.eu-oceanliteracy.eu
Why do we need to learn about the ocean and seas?
The ocean in formal education

Study of school curricula in Portugal, Belgium, France, Germany, United Kingdom, Finland, Romania, Greece and Croatia, EUN (2020)

Ocean blindness

“Can we be science literate without being ocean literate?”
EU Blue Schools

Bring the ocean into the classroom all ages – countries – regions

In a European Blue School, teachers help students to increase their understanding of the ocean, the issues it is facing, and the opportunities it offers.
Foundations of EU Blue Schools

1. Project-Based Learning
   - Real-life learning
   - Active learning
   - 21st century skills

2. Open Schooling
   - School ecosystem
   - Blue careers

3. Agents of change
   - Education for Sustainable Development
   - Think global, act local
Examples of blue school projects

Boat building (PT)

Making biofuel from algae on the beach (RO)

Watersports and ocean culture (ES)

Fishwaste product development (FR)

Learning native language from elderly people (CR)

Campaigning (AU)
Connecting classrooms

International collaboration between schools
-cultural exchange: peer-to-peer exchanges
-being part of the European Network and contributing to the European and global mission
Network of European Blue Schools

Individual schools

Associated partner programs

National/regional/local Blue School programs

Multi-country Blue School programs

Calls for funding

Portugal

Mallorca
“Success is the sum of small efforts — repeated day in and day out”
Thank you

Evy Copejans
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Shape your future.
Little waves make a big ocean!

NETWORK OF EUROPEAN BLUE SCHOOLS

www.eu-oceantliteracy.eu

#EUBLUESchools

info@blueschools.eu
NO WATER NO LIFE

NO BLUE NO GREEN

Sylvia Earle
Blue Forests!
Ocean oxygen
The role of the Ocean in the oxygen we breathe and the threat of deoxygenation

Blue Carbon
Challenges and opportunities to mitigate the climate and biodiversity crises
pH Scale: What is Acidic, What is Alkaline?

- HCl: Hydrochloric acid
- Cola
- Wine
- Mineral water
- Blood
- Soap
- Laundry detergent
- Lye (NaOH)

Average pH value of seawater in 2100:
- pH 7.76

Average pH value of seawater in 1870:
- pH 8.18

The difference may seem small, but the decline in the pH value from 1870 to 2100 would mean a 170 percent increase in acidity. Much smaller changes already pose problems for many sea creatures.

OCEAN ATLAS 2017
Heinrich Böll Foundation, University of Kiel Future Ocean Cluster of Excellence, www.futureocean.org
Accelerated to 4.8 mm/year

Almost 5 cm in 10 years...
What happens in Antarctica does not stay in Antarctica

‘We absolutely need to act immediately,’ says UN chief during visit to Antarctica ahead of COP28

Antonio Guterres

APNEWS.COM

BY ISABELLA O’MALLEY AND ALEXANDRE PLAZA
Updated 11:41 PM WET, November 24, 2023
Humanity counts on the ocean. But can the ocean count on us?

We should be the ocean’s best friends but right now humanity is its worst enemy.

António Guterres
United Nations Secretary General

Portugal, Europe 2011
OUR OCEAN, OUR FUTURE:
CALL FOR ACTION

1. We, the Heads of State and Government and high-level representatives, meeting in New York from 5 to 9 June 2017 at the United Nations Conference to Support the Implementation of Sustainable Development Goal 14 of the 2030 Agenda, with the full participation of civil society and other relevant stakeholders, affirm our strong commitment to conserve and sustainably use our oceans, seas and marine resources for sustainable development.

2. We are mobilised by a strong conviction that our ocean is critical to our shared future and common humanity in all its diversity. As leaders and representatives of our Governments, we are determined to act decisively and urgently, convinced that our collective action will make a meaningful difference to our people.
Ocean Literacy for All: Sustaining SDG 14 Goals Through Ocean Science Education and Ocean Literacy

June 6
5 - 6:30 PM
ROOM CRA

The focus of the Ocean Literacy for All Side Event is to further develop a global partnership to raise awareness on conservation and sustainable use of our ocean and its resources to bring about positive change in peoples’ attitudes about our global ocean.
The Science We Need for the Ocean We Want
Galway Statement, May 2013
“... promote our citizens’ understanding of the value of the Atlantic by promoting oceans literacy.”

Belém Statement, July 2017
“Ocean engaged citizens through enhanced ocean literacy initiatives”

All-Atlantic Ocean Research and Innovation Alliance (AAORIA) Declaration 2022
“Promoting ocean literacy and broadening engagement in ocean sciences and ocean sustainability.”
ALL-ATLANTIC BLUE SCHOOLS NETWORK

15 countries

allatlanticblueschools.com

Started 2021
A message from the All-Atlantic Blue Schools Ambassadors
Children as active players in their education
Build capacity and empower teachers
Engage with scientists
Engage with the community

Group of Schools
Gafanha da Encarnação
Ílhavo, Portugal
Engage with artists

Protection of seahorses
EB 2,3 João da Rosa,
Olhão, Portugal
Engage with the Blue Economy
About this issue

In this essay, Christof Mauch sets out his concept of “slow hope.” Departing from Rob Nixon’s concept of “slow violence”—which describes the gradual, almost invisible nature of much environmental damage—Mauch highlights the mostly untold stories of quiet but positive environmental change that are often hiding in plain sight. The search for environmental hope does not downplay the magnitude of the problems we are facing, nor is it synonymous with unadulterated optimism. Yet, as Mauch shows, it is possible to look to hopeful narratives as alternatives to stories of decline—narratives which can help us to think creatively and act courageously in these times of converging ecological, social, and economic crises.

Preface

I first mentioned the concept of “slow hope” four years ago in a lecture in Seattle at the University of Washington’s W. C. Simpson Center for the Humanities. My talk focused on sustainability but, to my surprise, I received half a dozen messages with inquiries about the idea of slow hope, which I had mentioned only in passing. The term resonated with an audience who was seemingly tired of listening to long streams of frightening stories—about climate change, migration, violence, and extinction. Under no circumstances should we downplay the threat of ecological change and vast potential catastrophe. We do not need unadulterated optimism. But pessimistic stories about climate determinism and imminent collapse can be just as dangerous because they have the potential to paralyze us. What we need, I think, is hope: hopeful narratives that help us think creatively and act unflinchingly. We need to be fully aware of the crises that humans and other animals face on the planet. But we also need to identify starting points and signposts that can direct us into an alternative future.
SOM ESCOLES Blaves!
THE PROJECT

Goal: to implement a pilot action in the Island of Mallorca and certify 100 schools in the period of 1 year.

How? We are Blue Schools bottom-up Approach.
THE CONCEPT

European Blue Schools bring the ocean into the classroom. On the journey to becoming a European Blue School, teachers and pupils will improve their understanding of the ocean and develop a sense of responsibility towards our shared planet. Creating awareness and a feeling of responsibility for our ocean (so-called Ocean Literacy) encourages students to become more active and responsible European and global citizens.
5 CRITERIA

- Develop a project with interlinked activities
- Produce a clear output
- Involve all students
- Collaborate with a local partner
- Communicate project results

Co-funded by the European Union
Why Mallorca?

Mallorca is an island located in the West-Med with about 1 million people and more than 300 schools that are already implementing "blue activities" but are not connected with each other.

For this reason, we are implementing activities based on ocean literacy in the schools’ curricula.

Testing this project in Mallorca gives us a good insight on the importance of blue schools in islands and gives as a path of knowledge on how to replicate it in other areas.
Method

Creativity
Previous Contacts
One to One meetings
Calls (Emails do not work!)
Connecting to local initiatives
Research
Social Media
Don't Give Up!

Bottom - Up Approach
Project: Upcycling Microplastics
OUR NETWORK
Mallorca reconocida como referente en cultura oceánica por el proyecto Som Escoles Blaves

06 de julio del 2023

por Agencias

El proyecto piloto Som Escoles Blaves (We are Blue Schools), que se está desarrollando en Mallorca para llevar la cultura oceánica a las aulas, ha sido galardonado como mejor proyecto Azul del Mediterráneo y como mejor proyecto para el desarrollo y circularidad de habilidades Azules por el WestMed.

¿TE HA GUSTADO ESTE CONTENIDO? PUES... ¡TÍENE TODOS NUESTROS PROGRAMAS COMPLETOS!

El proyecto cuenta con el apoyo de la Comisión Europea para ayudar a lograr un mar más limpio, económico, Azul más inteligente y resistente y mejorar la gobernanza marítima.

Co-funded by
the European Union

Entrega del premio por el proyecto ‘Som Escoles Blaves’

FELANITX

Premio para el proyecto piloto ‘Som Escoles Blaves’

El proyecto Som Escoles Blaves, que se está desarrollando en Mallorca para llevar la cultura oceánica a las aulas, fue galardonado como mejor proyecto Azul del Mediterráneo y como mejor proyecto para el desarrollo y circularidad de habilidades Azules por el WestMed, iniciativa que cuenta con el apoyo de la Comisión Europea para ayudar a lograr un espacio marítimo más seguro. R.P.J.
40 centres escolars reben la certificació d'Escoles Blaves.
REPLICABILITY:
From Balearic Islands to Canary Islands
THE BLUE STARTS IN THE ROOTS
THANK YOU!

IG: somescoles_blaves_eu