



SHORE

Empower students as the agents of change

Handbook for teachers: SHORE's Teaching Routes

Facilitating blue education in the classroom



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EU MISSIONS

RESTORE OUR OCEAN & WATERS

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SHORE's primary mission

We aim to enhance ocean and water literacy by increasing citizen's knowledge about oceans and rivers. The project engages with students, teachers and schools across five distinct regions: Baltic Sea, Black Sea, Mediterranean Sea, Danube River, and Rhine River.



Key definitions

Ocean and water literacy

People's understanding of how oceans and freshwater systems work, how human activities affect them, and how we can protect them.

Open Schooling

A model where schools work together with families, communities, and external partners to solve real-life issues.

Blue education

Educational activities that help learners develop knowledge, skills, and values related to oceans, rivers, and sustainable water use.

Citizen Science

The involvement of citizens in collecting data, observing the environment, and contributing to scientific research.



Teaching routes

They are step-by-step learning pathways that help teachers deliver ocean and water literacy activities in the classroom and outdoors. Each route includes objectives, materials, instructions, and ready-to-use worksheets adapted to different age groups.

A: thematic | A: age group | A: title



Hazardous substances

Primary School

Threats and pressures on marine and aquatic ecosystems

Middle School

Protecting drinking water
Plastics/Chemicals

Eco-friendly alternatives

Secondary School

From can to land



Sea-based activities

Primary School

Underwater noise pollution

Middle School

Aquaculture and food responsibility
Consumption, water & global

Responsibility

Electricity hydropower

Water tourism

Water transport routes

Watersport and water justice

Secondary School

A balanced aquatic ecosystem



Biodiversity

Primary School

Nature's neighborhoods

Middle School

Biodiversity secrets of the living planet

Secondary School

Bird migration - 2030 Biodiversity Strategy



Sustainable resources

Primary School

Sustainable use of water resources

Middle School

Sustainable use of water resources

Secondary School

Blue Economy - Multi Uses



Climate change

Primary School

Scientific thinking & inquiry skills

Middle School

Shifting sands

Secondary School

How whales contribute to carbon sequestration

Access all of these educational resources on the SHORE Community Platform



The SHORE Country Hubs

SHORE has built a network of 7 Country Hubs which offer guidance to educators for the implementation of blue projects in schools and provide students with the right skills and knowledge to become eco-citizens.

You can contact them for any questions related to our resources.



1 Austria | Kinderbüro Universität Wien
shore.kinderbuero@univie.ac.at
Also acting as contact point for Germany.

2 Estonia | Baltic Living Lab
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Also acting as contact point for Denmark, Finland, Iceland, Latvia, Lithuania, Norway, and Sweden.

3 Hungary | Budapest University of Technology & Economics
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4 Italy | University of Padova
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5 Poland | WSB University
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6 Romania | Mare Nostrum
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7 Türkiye | Yıldız Technical University
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