SHORE

Empower students as the agents of change

D6.3 First public report on the outcome of the open calls

30/06/2024

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F6S

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Document track information

Project information	
Project acronym	SHORE
Project title	SHORE: EmpOweR Students as the agents of cHangE
Starting date	01/08/2023
Duration	36 months
Call identifier	HORIZON-MISS-2022-OCEAN-01
Grant Agreement No	101112815

Deliverable information	
Deliverable number	D6.3
Work Package number	WP6
Deliverable title	First public report on the outcome of the open calls
Author(s)	Joanna Makocka (F6S), Milana Sekulic (F6S)
Due date	30/06/2024
Submission date	28/06/2024
Type of deliverable	Report
Dissemination level	PU (Public)

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Revision table

Version	Contributors	Date	Description
V0.1	Joanna Makocka (F6S), Milana Sekulic (F6S)	24/06/2024	First draft
V0.2	Joanna Makocka (F6S)	27/06/2024	Updated draft internally reviewed
V1	Joanna Makocka (F6S), Milana Sekulic (F6S)	28/06/2024	Final version for submission

List of acronyms

Acronym	Full name
NEBS	Network of European Blue Schools

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Executive summary

This document presents the SHORE Open Call#1 through its' application process and results, as well as the SHORE Open Call#1 statistics and selected school projects overview in the following manner:

- Section 1 presents Background of the SHORE Open Calls
- Section 2 presents SHORE - Open Call #1 and its process;
- Section 3 presents SHORE - Open Call #1 analytics of the finalised applications;
- Section 4 presents SHORE - Open Call #1 eligibility check and evaluation process results;
- Section 5 presents SHORE - Open Call #1 selection results and the analytics of the selected projects;
- Section 6 presents overview of SHORE - Open Call #1 selected projects profiles.

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1. Background of the SHORE Open Calls

Funded by the European Commission under the Horizon Europe programme, SHORE project will support **100 school projects** via **3 Open Calls** and with a **total budget of 900,000€ (max 10,000€ grant per project**) for **primary and secondary schools implementing blue projects** in the pursuit of increasing **ocean and water literacy**, sustainability, and blue economy knowledge among students to mobilise them as agents of change and ramp up the accreditation of the Network of European Blue Schools of the EU4Ocean coalition.

SHORE's Open Calls are open for schools legally established and based in the European Union or Horizon Europe Associated Countries from one of the **five target regional areas: Baltic Sea, Black Sea, Mediterranean Sea, Danube River, and Rhine River.**

SHORE-funded projects will support the objectives of the EU Mission "Restore Our Ocean and Waters by 2030" and encourage students' active participation and leadership of its low carbon activities, based on **Blue Curricula and Open Schooling Methodologies**. The school projects should also involve other educators and actors from the school ecosystem and the local community, as well as cooperation/ twinning mechanisms with schools from other locations.

The SHORE Open Calls are open for proposals which include different types of activities from a predefined list, based on the topics about blue economy & ocean literacy, as shown in the Figure 1 below.

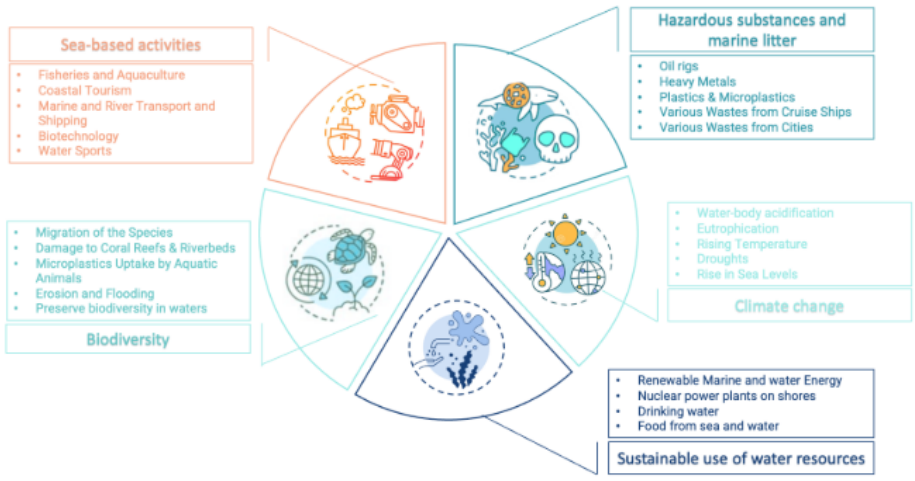

Figure 1: SHORE Open Calls Target Topics & Sub-Topics

Selected projects are expected to last up to 6 months, a period during which all school project activities, should be implemented with the funding support received. SHORE Project partners acting as **SHORE Country Hubs** will mentor and guide the schools and students, about successful Blue Skills Curricula and project implementation. Selected projects will benefit through a permanent contact with their mentors, online meetings for project management and sharing of best practices from targeted regions.

Furthermore, SHORE will ensure international visibility and awareness of the projects among the public by creating **its own digital platform**, an open-source virtual learning environment and education management system which will enable the follow-up of student and school projects in addition to publishing developed Blue Skills Curricula materials for school activities and teacher routes. Schools awarded with the grant will have their own profile created at SHORE digital platform, allowing them to upload their activities & share information about their projects. After each open call period, **an online contest** will be held to select the best school projects through a global competition using the said digital platform, and the voting will be open to the public. After the selection of the global winner, the school will be awarded as **"Ocean Ambassador of The Year"** and promoted as such via the SHORE project website and social media.

2. SHORE - Open Call #1 process

SHORE - Open Call #1 was open from 17 January 2024 until 20 March 2024, 5pm CET. From the programme definition, application and evaluation process to the introduction into SHORE funding programme, SHORE - Open Call #1 has included following steps:

1. Definition of the SHORE Programme (done jointly by all consortium partners) and the preparation of the Open Call #1 documents.
2. Publication of the Open Call #1 on 17 January 2024 after the approval of the Guidelines for Applicants by the Project Officer.
3. Submission of the school project applications at the SHORE submission platform hosted by F6S via the format (application form and SHORE Project Proposal) developed by F6S.
4. Collection, analysis and assessment of submitted applications, process led by F6S and by the Evaluation Board of external evaluators after the Open Call closing date.
5. Open Call #1 applications were sorted and selected following three main steps: 1) Eligibility check 2) Remote proposal evaluation by 2 external experts each 3) Ranking and final selection.
6. Entry of selected applications into the SHORE Programme by signing the Sub-Grant Agreement and accompanying Annexes.

The Figure 2 below presents detailed timeline:

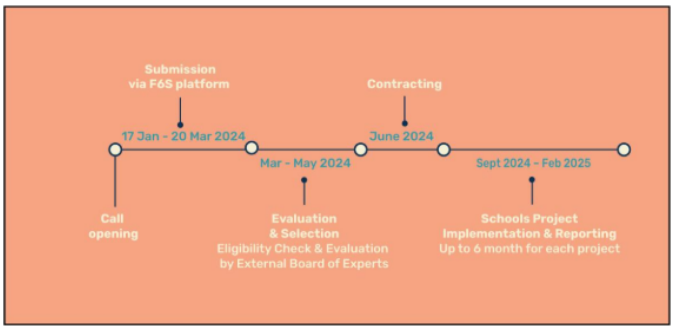

Figure 2: SHORE - Open Call #1 Timeline

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3. Applications Analytics

SHORE - Open Call #1 was successfully closed on 20th of March 2024. Applicants submitted 226 applications. The following analytics are based on the applicants answers in their online application form submitted in the SHORE submission platform hosted by F6S.

Number of finalised applications per type of school

When asked to indicate the type of the school applying for the SHORE - Open Call #1, **112 applicants** identified themselves as **secondary schools**, compared to **79 elementary schools** (as shown in Figure 3), making the secondary school the most prominent SHORE - Open Call #1 type of applicant.

*NOTE: 35 applicants identified themselves both as elementary and secondary school in their application form.

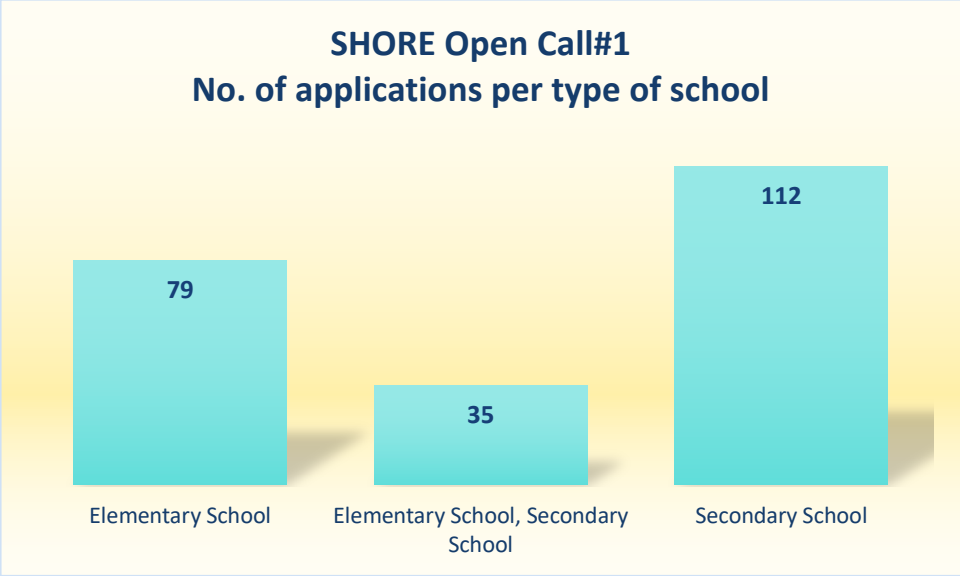

Figure 3: SHORE - Open Call #1 No. of finalised applications per type of school

Number of finalised applications based on applicants' accreditation to the Network of European Blue Schools (NEBS)

When asked to indicate the school's accreditation to the Network of European Blue Schools, **32 applicants** answered that the school applying for the SHORE - Open Call #1 is an accredited member, compared to **192 applicants** which aspire to become a member of the Network of European Blue Schools and would submit an application to the Network by the time of completion of the SHORE funded project if selected for funding, as shown in Figure 4.

*NOTE: 2 applicants checked both boxes in the application form for provided options regarding the Network of European Blue Schools.

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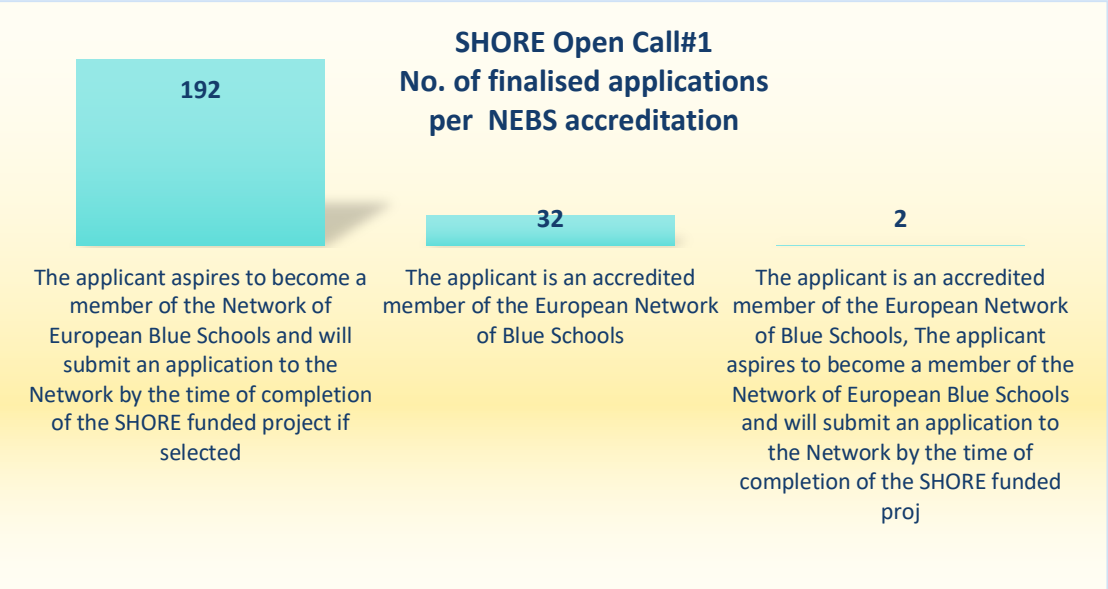

Figure 4: SHORE - Open Call #1 No. of finalised applications per NEBS accreditation

Number of finalised applications per target areas/country

When asked to indicate the geographical area of the school (according to 5 target areas of SHORE project), the applicants provided following answers:

- **116 applicants** selected Mediterranean Sea Area,
- **62 applicants** that selected Black Sea Area,
- **21 applicants** selected Daube River Area,
- **3 applicants** selected Baltic Sea Area,
- **1 applicant** selected Rhine River Area.

*NOTE: Some applicants checked several boxes in the application form for provided options regarding the geographical areas of the school, as shown in the Figure 5.

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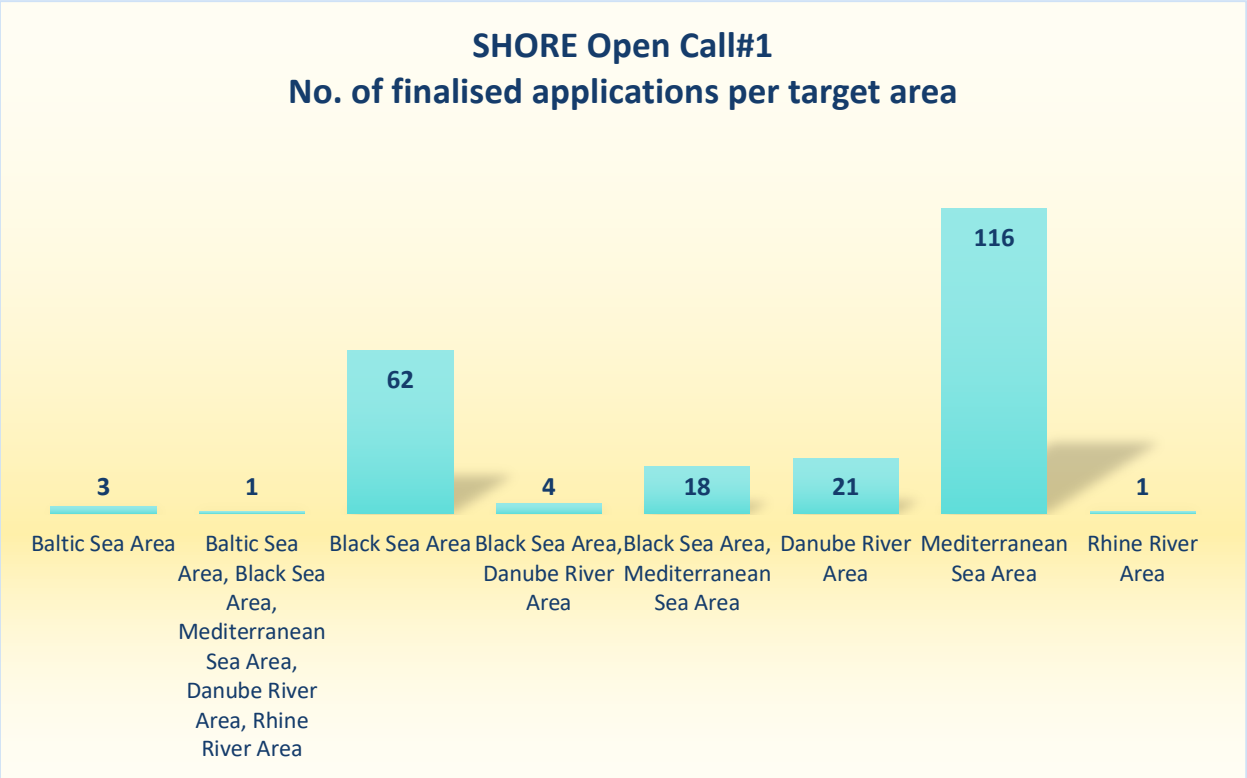

Figure 5: SHORE - Open Call #1 No. of finalised applications per target area

When asked to state the country in which the school is legally established, **164 applicants** indicated Türkiye as the school's country of origin, making them the most prominent group in the SHORE - Open Call #1, as shown in Figure 6.

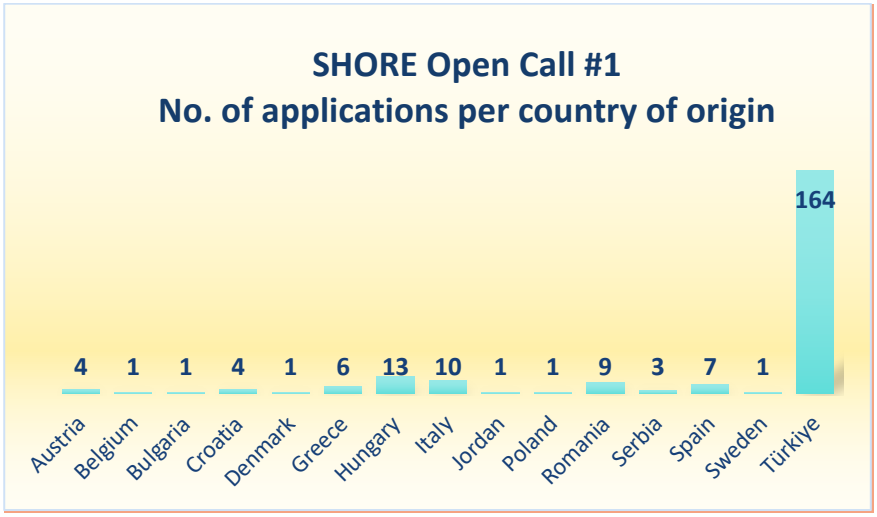

Figure 6: SHORE - Open Call #1 No. of finalised applications per country of origin

Number of finalised applications per target topic

When asked to select the topic of the school's project, **65 applicants** chose Topic # 2 Hazardous Substances and Marine Litter, as shown in Figure 7:

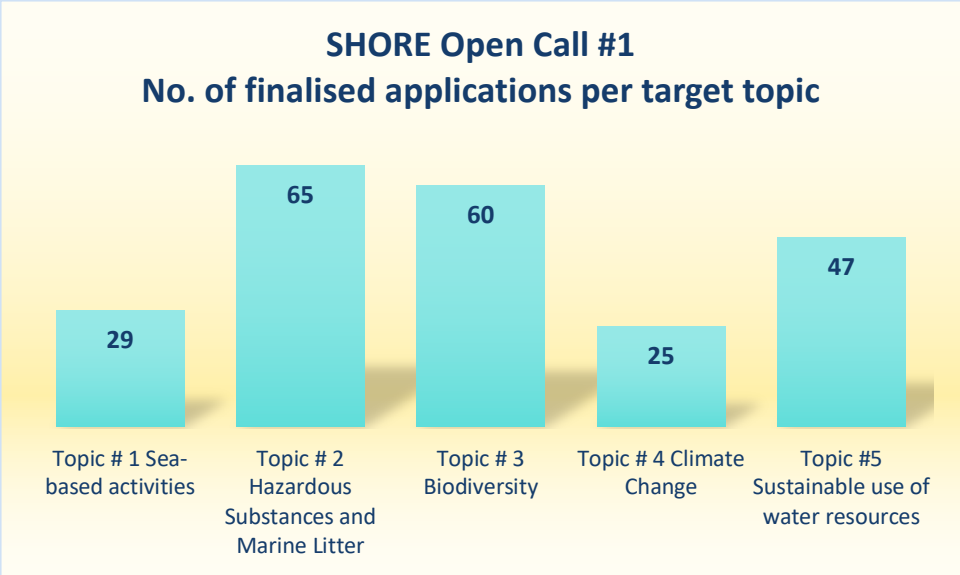

Figure 7: SHORE - Open Call #1 No. of finalised applications per target topic

In contrast, **60 applicants** chose Topic # 3 Biodiversity, making Topic #2 and Topic #3 almost even in the selection of target project topics (29% vs 26%), as shown in the Figure 8:

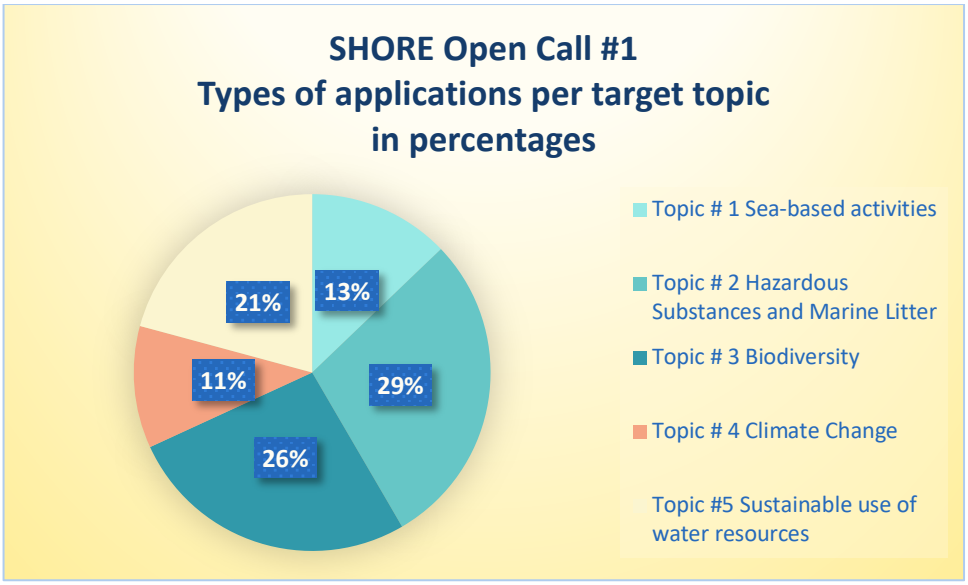

Figure 8: SHORE - Open Call #1 Types of finalised applications per target topic in percentages

Referrals statistics

SHORE - Open Call #1 referral statistics are based on the answers from **222 applicants** that opted to answer how they found out about the open call by selecting one or more of the provided options:

a) Social Media,
b) Referrals from other EU projects,

c) European Commission Communications,
d) F6S website,
e) SHORE Consortium,
f) Search Engine,
g) Event,
h) Other.

Option “Other” (54%) channel has been the most selected response, followed by “social media” (12%), as shown in Figure 9:

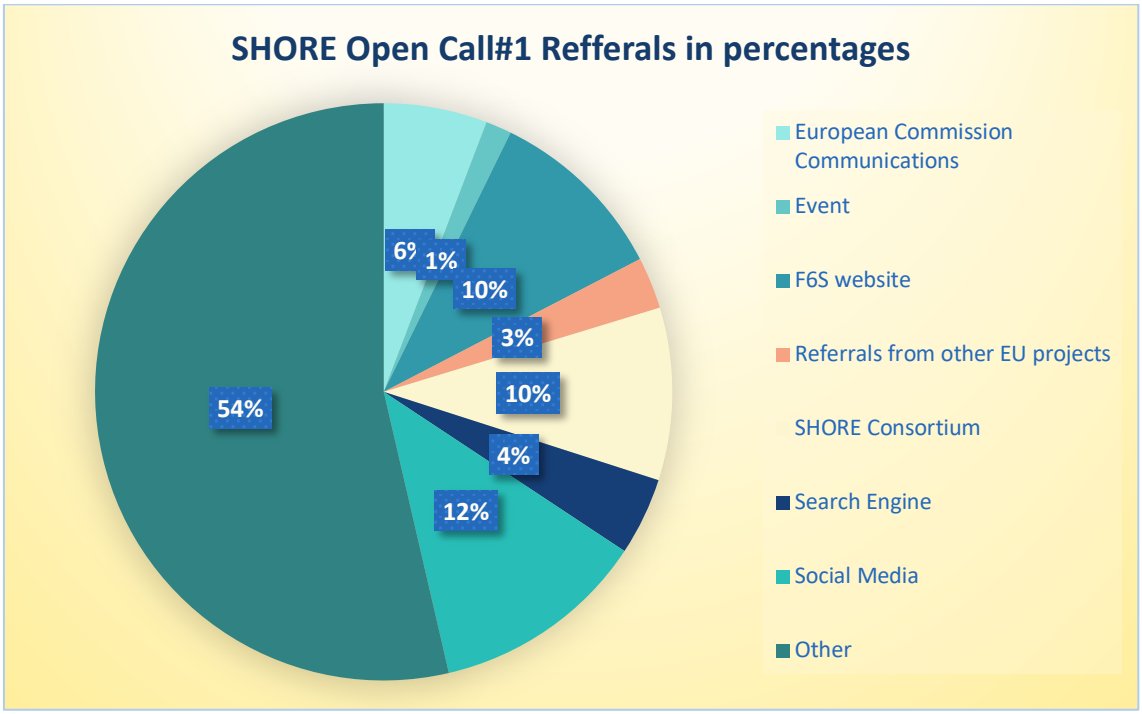

Figure 9: SHORE - Open Call #1 Referrals in percentages

For each response selected, the applicants could also further elaborate which specific channel/contact led them to find out about the open call. For the option “Other” in particular, following answers were prevalent:

- By e-mail or official letter on the national/regional/local government level (Ministry of Education, Provincial Directorates of Education),
- Word of mouth, specifically from school’s principal and management office,
- Blue schools email communication, e-mail from the Network of European Blue Schools.

4. Evaluation and Eligibility Check Results

4.1 Eligibility Check Phase

The eligibility check of 226 applications was performed according to the rules stated in Annex 1 – SHORE Guidelines for Applicants and it resulted in **113 non-eligible and 113 eligible** proposals that proceeded into the evaluation phase. The main reasons for ineligibility were following:

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- Applying school did not meet the requirement for schools, as the call will fund only projects implemented by primary or secondary schools legally registered and established in EU and/or HEU Associated countries.
- The proposal did not meet the requirement regarding the budget. The total budget per project exceeded €10,000.
- The applicant did not meet the requirement regarding the number of submitted proposals. The applicant submitted more than one proposal.
- The proposal did not meet the requirement regarding the template (Not using SHORE Proposal Template or modification of the same).
- The proposal, including the F6S application form and all requested and mandatory information and documents, were not fully completed (blank Proposal Template submitted/mostly incomplete technical proposal sections).

4.2 Evaluation Phase

The evaluation phase and final ranking was performed according to the rules stated in Annex 1 – SHORE Guidelines for Applicants, with each proposal being reviewed by 2 external evaluators from the pool of 16 evaluators previously selected as part of SHORE Expression of Interest for Experts hosted on the F6S platform from 05 February 2024 until 20 March 2024.

The evaluation phase was finalised with following results:

- **30 projects** that received the maximum **5 points** for the final score were selected for the funding.
- **12 projects** that received **4 points** for the final score and fitted into the allocated SHORE - Open Call#1 budget were placed on the reserved list.
- **70 projects** that received **4 or less points** for the final score and did not fit into the allocated SHORE - Open Call #1 budget were not selected for the funding/reserved list.
- **1 project** that received the maximum **5 points** for the final score was not selected for funding due to being funded under the sister project – ProBlue.

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5. Selection Results

5.1 Ranking List

SHORE - Open Call #1 was finalised with the selection of 30 school's projects that will receive the funding as part of the project's programme. The following table represents the ranking list of the accepted projects and their beneficiaries.

Table 1: SHORE - Open Call #1 Ranking List

No.	Project Title	Name of the school	Country	Target Region	Target Topic
1	Digital Efforts to Save Seas&Oceans	Güler Mustafa Kızılağaç İlkokulu	Türkiye	Mediterranean Sea Area	Topic # 1 Sea-based activities
2	BLU-ECHO: Blue School Calendar for Hands-On Ocean Education	Escola Pérez Sala	Spain	Mediterranean Sea Area	Topic #5 Sustainable use of water resources
3	TFD: Thousand-Faced Danube	Kecskeméti Lánchíd Utcai Sport Általános Iskola	Hungary	Danube River Area	Topic #5 Sustainable use of water resources
4	KLG SEAfetyNet: Safeguarding Aquatic Biodiversity Through International and Intergenerational Network	Mosonmagyaróvári Kossuth Lajos Secondary Grammar School and Student Hostel	Hungary	Danube River Area	Topic # 3 Biodiversity
5	BH-FODAT: Forging Ocean Defenders through Art and Technology	Institut Antoni Ballester	Spain	Mediterranean Sea Area	Topic # 1 Sea-based activities
6	AquaAlert: Alerting Communities to Marine Pollution	Bahçelievler 15 Temmuz Şehitleri İmam Hatip Ortaokulu	Türkiye	Black Sea Area	Topic # 2 Hazardous Substances and Marine Litter
7	Worst: We wasted the world's water	Lale Kemal Kılıç Secondary School	Türkiye	Black Sea Area	Topic #5 Sustainable use of water resources
8	Chasing the Blue: Let's make a difference for the Black Sea.	GÖKÇELİ ORTAOKULU	Türkiye	Black Sea Area	Topic # 3 Biodiversity
9	e-Oceans: Connecting Youth, Protecting Seas	32nd Primary school of Piraeus	Greece	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
10	DBA: "Deep Blue Awakening"	IES Serra d'Espadà	Spain	Mediterranean Sea Area	Topic #5 Sustainable use of water resources

11	Renewable Marine Energy: Harnessing the Power of the Sea	Konak Mersinli Mesleki Teknik ve Anadolu Lisesi	Türkiye	Mediterranean Sea Area	Topic #5 Sustainable use of water resources
12	TriO: Through the RIver to the Ocean. EU Schools' contribution in preserving biodiversity in waters	ISTITUTO COMPRENSIVO VICENZA 5 - School Primary Giuseppe Giusti	Italy	Mediterranean Sea Area	Topic # 3 Biodiversity
13	ATOL: Art as a Tool for Ocean Literacy	Gullmarsgymnasiet	Sweden	Baltic Sea Area	Topic # 3 Biodiversity
14	TRiO: Through a RIver to the Ocean (the contribution of partner Schools in preserving biodiversity in water)	AlRajaa School for Deaf Children	Jordan	Mediterranean Sea Area	Topic # 3 Biodiversity
15	SeaQuest: A fight against water pollution	Gymnasium of Kanithos	Greece	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
16	WAVE: Waste Awareness – Volunteer Effects	Hatay Fen Lisesi	Türkiye	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
17	FEEL&HEAL: Feel the Nature, Heal the Ocean	Montessano Elementary School	Romania	Danube River Area	Topic # 3 Biodiversity
18	MASCOT: Microplastics Assimilating by Chemical Oxidation Treatment	Antalya Private Konyaaltı Bahçeşehir College Science and Technology High School	Türkiye	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
19	Seafarer's Dream: Discovering and protecting our marine natural wealth using ICT	Theodoropoulos School	Greece	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
20	Children of the Black Sea Hand in Hand	Düzce Borsa İstanbul Mesleki ve Teknik Anadolu Lisesi	Türkiye	Black Sea Area	Topic # 2 Hazardous Substances and Marine Litter
21	S.E.A: Sustainable Earth Alliance	Hüseyin Boyacı İlkokulu	Türkiye	Black Sea Area	Topic # 2 Hazardous Substances and Marine Litter
22	AMB: Admire Marine Biodiversity. Eco-sustainable explorations in the Miramare Marine Protected Reserve, Trieste – Adriatic sea	ISIS Michelangelo Buonarroti	Italy	Mediterranean Sea Area	Topic # 3 Biodiversity

23	SEAA: SEA ECO ART ACTIVITY	Primary School Bartula Kašića Zadar	Croatia	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
24	OED: Ocean Explorers in Düzce	Topçular Secondary School	Türkiye	Black Sea Area	Topic # 2 Hazardous Substances and Marine Litter
25	ILCC: Marmara: Improving Island Literacy and Fight Against Climate Crisis in Marmara Island	Recep Ahmet Mercan Secondary School	Türkiye	Mediterranean Sea Area	Topic # 4 Climate Change
26	BLUE SEAS OF THE FUTURE	Şehit Ömer Cankatar İlkokulu	Türkiye	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
27	HEAL: Protect Sea, Heal the World	Yenişakran Yunus Emre Ortaokulu	Türkiye	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
28	ZeroMarinePlasticsEdu: Towards a Zero Marine Plastics Education through Mission Based Learning co creation approach	Platon Schools	Greece	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter
29	DW-V-P: Donauwasser-Verschmutzungs-Projekt	Rg Rainergymnasium	Austria	Danube River Area	Topic # 2 Hazardous Substances and Marine Litter
30	MPAD: Minimising Pollution in Adriatic Dalmatia	Elementary school Šime Budinić	Croatia	Mediterranean Sea Area	Topic # 2 Hazardous Substances and Marine Litter

5.2 Selected Projects Analytics

Number of selected projects per type of school

When asked to indicate the type of the school applying for the **19 projects** selected during SHORE - Open Call #1 comes from secondary schools, compared to **10** coming from elementary schools (as seen in Figure 10), making the secondary school the most populous SHORE Open Call#1 type of applicant.

*NOTE: 1 project comes from the beneficiary which identifies themselves both as elementary and secondary school in their application form.

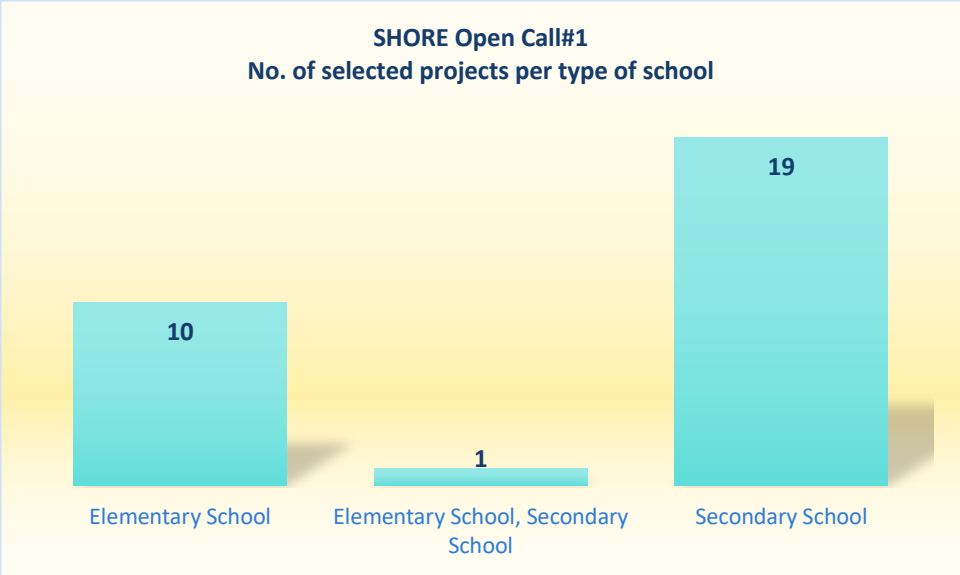

Figure 10: SHORE - Open Call #1 No. of selected projects per type of school

Number of selected projects based on applicants' accreditation in the Network of European Blue Schools

When asked to indicate the school's accreditation in the Network of European Blue Schools, , 4 school selected for funding during SHORE - Open Call #1 are accredited members, compared to 26 beneficiaries which aspire to become a member of the Network of European Blue Schools and would submit an application to the Network by the time of completion of the SHORE funded project if selected for is funding, as shown in Figure 11.

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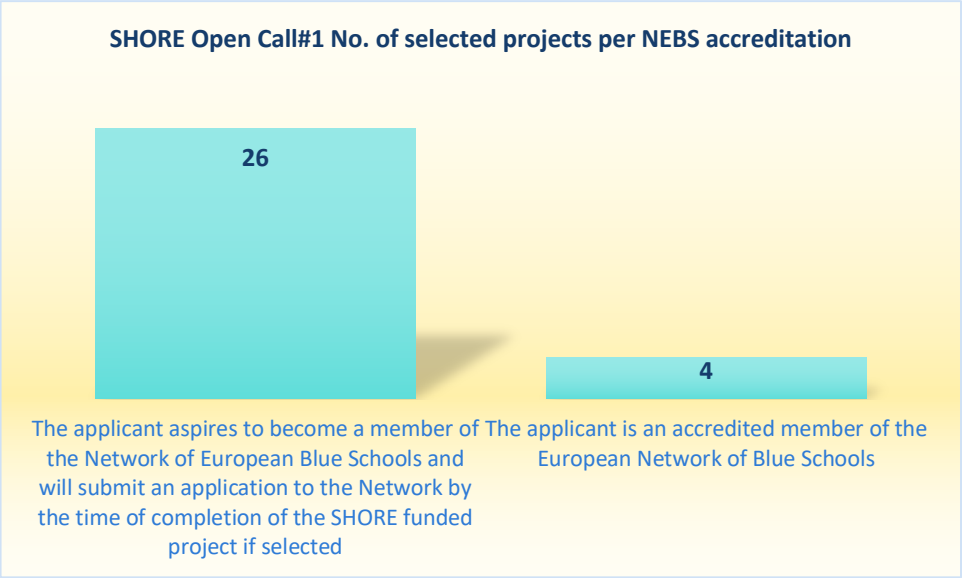

Figure 11: SHORE - Open Call #1 No. of selected projects per NEBS accreditation

Number of selected projects per target areas /country of origin

SHORE - Open Call #1 school projects will be implemented in the following geographical areas of the school according to 5 target areas of SHORE project in the following numbers, as shown in the Figure 12:

- Mediterranean Sea Area: **20 projects**
- Black Sea Area: **5 projects**
- Danube River Area: **4 projects**
- Baltic Sea Area: **1 project**

*NOTE: After the evaluation period, Rhine River Area has no selected projects for SHORE - Open Call #1.

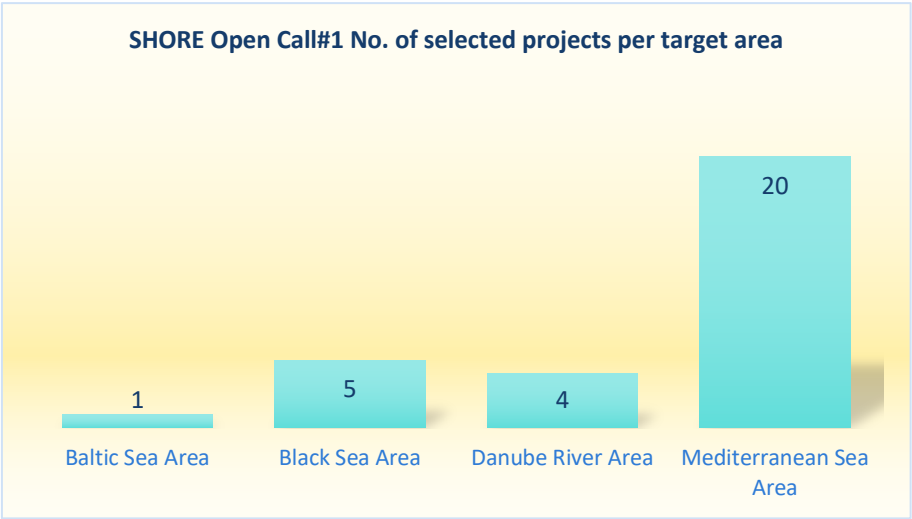

Figure 12: SHORE - Open Call #1 No. of selected projects per target area

13 beneficiaries indicated Turkey as the school's country of origin, making them the most populous group in the SHORE Open Call#1, as shown in Figure 13:

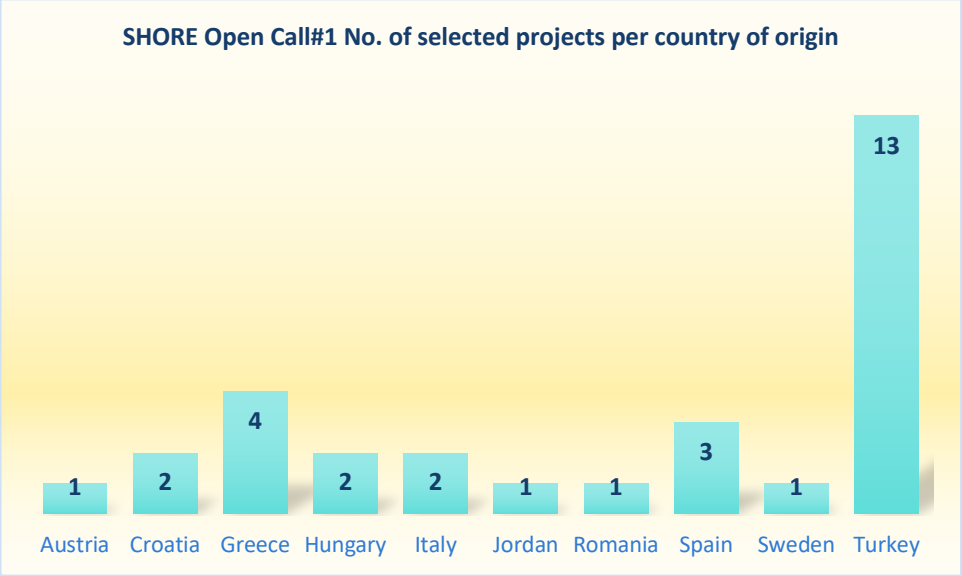

Figure 13: SHORE - Open Call #1 No. of selected projects per country of origin

Number of selected projects per target topic

15 beneficiaries has chosen Topic # 2 Hazardous Substances and Marine Litter, as shown in Figure 14:

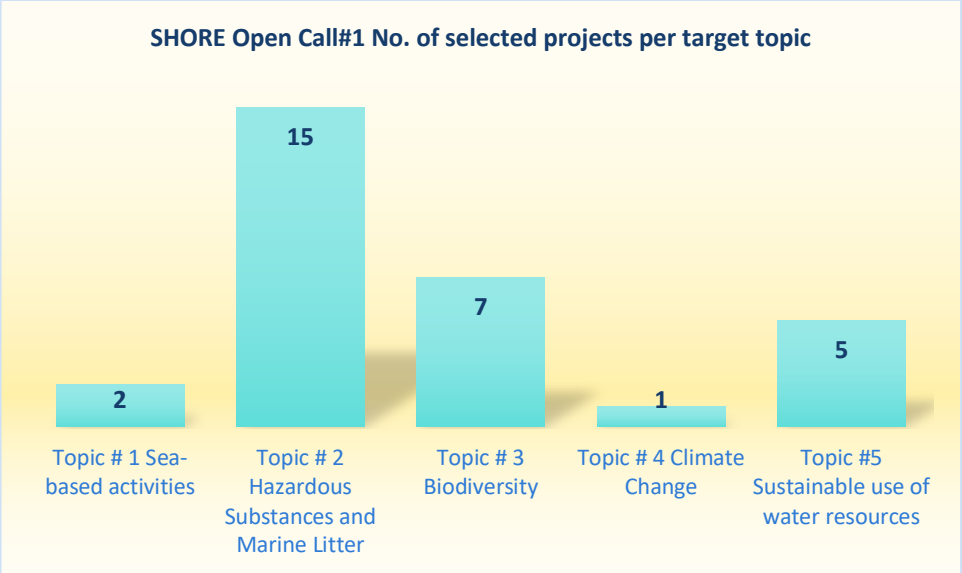

Figure 14: SHORE - Open Call #1 No. of selected projects per target topic

Topic #2 constitutes 50% of school projects selections, making it the most prevalent topic for SHORE Open Call#1, as shown in the Figure 15:

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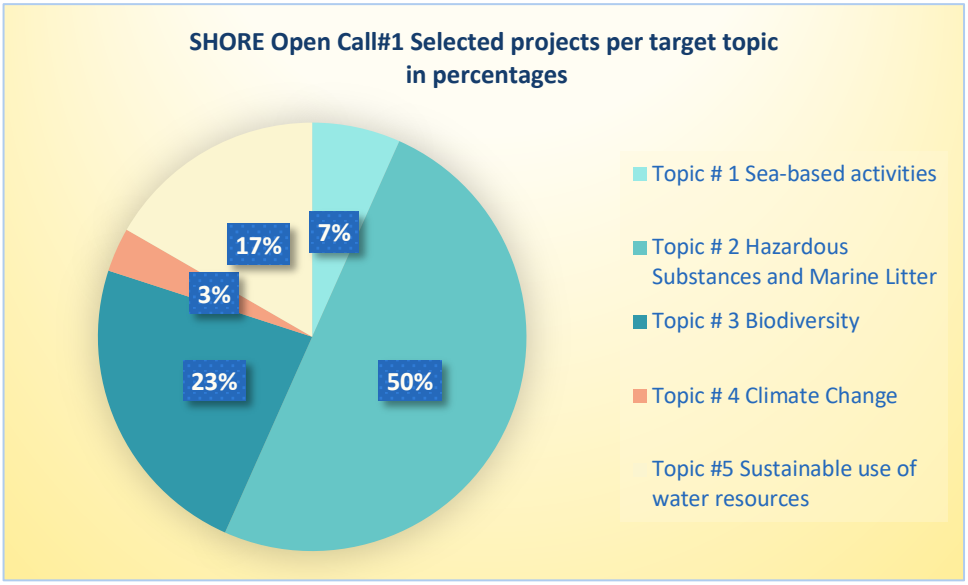

Figure 15: SHORE - Open Call #1 types of selected projects per target topic in percentages

6. Selected Projects' Profiles

DEtSSO 1. Digital Efforts to Save Seas&Oceans	
School Name	Güler Mustafa Kızılağaç İlkokulu
Country of Origin	Türkiye
Target SHORE Area	Mediterranean Sea Area
Target Topic / Sub-Topic	Topic # 1 Sea-based activities Sub-Topics: Fisheries and Aquaculture, Coastal Tourism
Project Duration	up to 6 months
Date of the Award	14 June 2024

Project Description:

Our goal is to prepare students for a liveable world. As we educate our students for the world of tomorrow, we attach great importance to developing their environmental and climate awareness. 638 students and 31 teachers work in our school. Our school has a lot of experience in EU projects and green environmental projects. Our school is located at the intersection of the Mediterranean and the Aegean Sea in the city of Muğla, which has the longest coastline in Turkey with one thousand four hundred and eighty kilometres, and our district Bodrum is Turkey's most important tourism center in the field of tourism. With its bays and magnificent nature, our district hosts guests from all over the world. In addition to these natural beauties, there are also the largest fish farms in the country in Bodrum sea waters. So, with the project activities, we will carry out with our project partners, we will introduce fishing and water culture to our students, we will comprehend the scope of touristic activities that are intensely experienced in our region, we will teach marina life, sea transportation and sailing, which is right in front of our school. In our project, we and our partner blue sea school will add the scenarios we have produced on the theme of water literacy to the school curriculum so that all our students can access them in different disciplines. In addition, the project aims to increase the cooperation skills between both schools, to get to know different cultures and EU values.

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2. BLU-ECHO Blue School Calendar for Hands-On Ocean Education	
School Name	**Escola Pérez Sala**
Country of Origin	**Spain**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic #5 Sustainable use of water resources** **Sub-Topics: Drinking water, Food from sea and water**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The proposal outlines a comprehensive Blue Calendar of activities integrated into the school curriculum, focusing on ocean and water literacy, and aligned with the EU Mission Ocean & Waters. The Perez Sala School, situated in Vilassar de Mar, aims to deepen students' understanding of the interconnectedness between land and sea. Through hands-on experiences, field trips, and interactive sessions, students engage with local stakeholders to address marine conservation challenges. The project emphasizes a transdisciplinary approach, community collaboration, and innovative teaching methods to foster environmental stewardship among students. By incorporating the BLU-ECHO (Ocean, Education, Conservation, Hands-On) concept, the project not only resonates locally but also offers an engaging message that can be shared and amplified across various platforms. Additionally, the proposal emphasizes that Ocean Literacy (OL) should not be treated as an additional aspect of the school curriculum, but rather integrated into every subject. This ensures that the ocean becomes a central theme through which various topics can be explored, enriching the overall learning experience and promoting a holistic understanding of the environment. Furthermore, the project highlights strategies for European collaboration, including partnerships with other Blue Schools, participation in EU initiatives, and promotion at local, national, and European levels to amplify impact and advocate for ocean conservation.

3. TFD Thousand-Faced Danube	
School Name	**Kecskeméti Lánchíd Utcai Sport Általános Iskola**
Country of Origin	**Hungary**
Target SHORE Area	**Danube River Area**
Target Topic / Sub-Topic	**Topic #5 Sustainable use of water resources Sub-Topics: Renewable Marine and Water Energy, Drinking water**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The Danube was an important route for migrations in prehistoric and historic times, providing a natural route. Our first European Palaeolithic ancestors passed here 40,000 years ago, and the first farmers also passed through it 10,000 years ago. The Vinča culture, this prehistoric, Neolithic–Chalcolithic culture 7000 years before, also found along the banks of the Danube River. The Vinča culture was the first important farming culture in Europe. Most of the historical migrations also preferred this route. The border of the Roman Empire was also the Danube in Pannonia. The name of the capital of the province, Aquincum, can also be derived from the word water. How did the current climatic situation influence the history of the region and the migrations of peoples? What can we learn about the consequences of climate change, how does climate change affect the future of the region? With the students, we review and study these interdisciplinary topics, which include history, geography, and environmental awareness, so that they better understand its importance. We live in a special region, in a dry area between two rivers with plenty of water. Therefore, it is vital for the future that students who later become adults have the ability to manage the new environment, being aware of the current changes.

4. KLG SEAfetyNet: Safeguarding Aquatic Biodiversity Through International and Intergenerational Network	
School Name	**Mosonmagyaróvári Kossuth Lajos Secondary Grammar School and Student Hostel**
Country of Origin	**Hungary**
Target SHORE Area	**Danube River Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity Sub-Topics: Migration of the Species, Damage to Coral Reefs and Riverbeds, Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Our project, named KLG SEAfetyNet, reflects our comprehensive and intricate approach to the protection of aquatic biodiversity focusing both on freshwater and marine ecosystems. "KLG" stands for the abbreviated Hungarian name of our school (Kossuth Lajos Gimnázium), while the project acronym shows our aim to provide a protective international and intergenerational network for endangered marine and riverine organisms and ecosystems, collaborating with other schools and institutions. To achieve this, it's crucial to gather and provide information, raise awareness and build knowledge, resulting in the development of environmentally conscious and conservation-minded attitudes and behaviours. We aim to reach a wide range of young people through diverse activities. These include field studies involving students to examine invasive species threatening the wildlife of the Danube River and its watershed, as well as organizing workshops and lectures. Rivers and seas form a connected aquatic system, thus many factors threatening biodiversity are interlinked. Therefore, as an inland country, we also believe it's crucial to address ocean conservation because even we can make significant contributions. To this, we plan to visit the Haus des Meeres in Vienna (AT) to learn about endangered species and their conservation, as well as the factors threatening biodiversity. Additionally, we will mobilize local communities through a drawing competition. Our institution and experts have ten years of outstanding experience in the ex-situ conservation of critically endangered highland fish and integrating this into education, as well as in zoopedagogy. In our project, our goal is to enhance our SchoolZoo program by incorporating a marine aquarium, which provides various regional benefits and opportunities for educating about marine biodiversity conservation, all backed by our professional expertise. Furthermore, we will organize the European conference of the international Goodeid Working Group on species conservation in our school in autumn 2024, providing an opportunity for our students to participate and laying the groundwork for an attention-grabbing social media campaign. Our goal is to shape the mind-set of as many young people as possible through collaborations, thereby positively influencing their attitudes towards environmental conservation.

5. BH-FODAT: Forging Ocean Defenders through Art and Technology	
School Name	**Institut Antoni Ballester**
Country of Origin	**Spain**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 1 Sea-based activities** **Sub-Topics: Coastal Tourism**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

This project is aimed at raising awareness about the significance of the oceans and fostering sustainable practices within the educational community, employing a variety of dynamic and collaborative activities. It features educational games in both physical and digital formats to provide an interactive understanding of the marine ecosystem, targeting not only students but also tourists, to deliver a fun and impactful learning experience. Furthermore, the project integrates artistic elements through contests and exhibitions, using art to promote environmental awareness, along with collaborative workshops with other educational institutions to enhance creativity and deeper reflection on the need to protect the oceans. A key aspect of the project is its focus on citizen science, where students will actively engage in collecting and analyzing environmental data, fostering a hands-on understanding of science and its role in addressing environmental issues. This is supplemented by biodiversity marathons and expert-led conferences, which expand the participants' knowledge and equip them with tools for marine conservation. The project also aims to build connections with schools within the Blue Schools project framework, promote sustainable practices through art, and implement green actions like beach clean-ups and tree planting, encouraging active participation in environmental conservation. To consolidate and disseminate the activities and knowledge gained, a dedicated website for the project will be developed, serving as a central hub for the educational community and the general public, thus promoting a culture of respect and care for the marine environment. In conclusion, this project combines education, art, science, and community action, providing a comprehensive educational experience that motivates students to become informed change agents committed to the sustainability of marine ecosystems and the planet's well-being.

Funded by the European Union

6. AquaAlert: Alerting Communities to Marine Pollution	
School Name	**Bahçelievler 15 Temmuz Şehitleri İmam Hatip Ortaokulu**
Country of Origin	**Türkiye**
Target SHORE Area	**Black Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Heavy Metals, Plastics & Microplastics, Various Wastes from Cruise Ships, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The concept of water literacy encompasses individuals' ability to sustainably manage, protect, and utilize water resources, raising awareness about the importance of water, ensuring effective water resource management, and making efforts to prevent pollution. In this context, we aim to conduct a series of activities such as workshops, conferences, promotions, short films, online campaigns, exhibitions, and both pre- and post-project assessments of awareness levels regarding sustainable water use and management, involving not only our students but also their families. Our objective is to enhance understanding of the causes and issues related to marine pollution among individuals and communities, foster their willingness to find solutions to this problem, and encourage them to critically evaluate ongoing initiatives.

7. Worst We wasted the world's water	
School Name	**Lale Kemal Kılıç Secondary School**
Country of Origin	**Türkiye**
Target SHORE Area	**Black Sea Area**
Target Topic / Sub-Topic	**Topic #5 Sustainable use of water resources Sub-Topics: F Renewable Marine and Water Energy, Drinking water, Food from sea and water**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Humanity faces a great threat due to the rapid increase in the world population and unconscious water consumption. Global warming is predicted to increase by 1.5 - 2 °C by 2040, and spring rains will decrease by 20%, resulting in serious decreases in water resources. This is an indication that annual water consumption per capita will remain well below the limits. From this perspective, it seems that we do not have much time to take action for our world, which is facing water scarcity and pollution. It is known that many cities around the world face water scarcity and marine pollution. In the region we live in, the mucilage problem of even the Marmara Sea is increasing every year. This problem can be overcome by taking timely measures, and this big problem can be overcome by producing alternative solutions. In the light of what we wrote above, we want to raise awareness about water scarcity with our project called "We Watered the World", raise people's awareness about water saving, emphasize the importance of cleaning the oceans and seas, and take steps to solve the problem before it grows by producing alternative solutions. In order to prevent water scarcity, we want to learn various daily life practices and provide our students with new skills in this sense. We want to make saving a habit by integrating the concept of sustainability into our lives in every sense. Our project aims are to make our students aware of environmental policies and to support these policies and to increase their participation in workshops and mobilities related to environmental problems. We aim to ensure that students understand the importance of marine and water resources, become aware of sustainable use, become interested in renewable energy sources, develop water saving and protection awareness, and have information about the risks and advantages of nuclear energy. In this way, our students will become conscious of future generations' conscious use of sea and water resources, contribute to environmental sustainability, ensure energy and food security, raise awareness about the risks of nuclear energy and cooperate with national and international institutions working on the environment, and they will become aware of themselves and the people around them about a more livable world. They will be able to help people in this regard.

8. Chasing the Blue: Let's make a difference for the Black Sea.	
School Name	**GÖKÇELİ ORTAOKULU**
Country of Origin	**Türkiye**
Target SHORE Area	**Black Sea Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity Sub-Topics: Microplastics Uptake by Aquatic Animals, Erosion and Flooding, Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The Black Sea is one of the world's important water bodies and a famous inland sea. It is a transit point connecting the coasts of six different countries. The Black Sea has extraordinary natural conditions, being one of the largest water bodies with a meromictic basin. This means that the interaction between oxygen-rich surface waters and deeper areas of the Black Sea is very limited compared to anywhere else in the world. This creates a layered structure that affects the diversity of organisms in the Black Sea (Ozturk,2017). Our school is located in Samsun province, where two large rivers flow into the Black Sea. Our local people generally earn their living from hazelnut farming and are unaware of the importance of rivers and seas. Therefore, we can show our students and stakeholders the overall picture and help them draw their attention to this specific area. Our main goal is for our students and stakeholders to acquire water literacy. At the end of our project, we aim for our students to understand water resources, marine and ocean ecosystems and to take active action to protect these important resources. In our project, activities have been planned under the title of "Biodiversity", including topics such as "microplastic intake by aquatic creatures", "erosion and floods", and "preserving biodiversity in waters". Pre and post tests will be carried out at the beginning and end of our project, which will last 6 months in total, and the contributions of the project to our target group will be evaluated. By measuring our carbon footprint at each event, we aim to evaluate the impact of our events on nature and raise environmental awareness. Additionally, agreements have been made for cooperation with Universities, Schools, Non-Governmental Organizations, Associations and Municipalities in order to increase the visibility and impact of our events. Activities are designed to provide students with authentic learning experiences that take place in the field. In order to disseminate the results of our project, public service announcements will be shot and broadcast, children's books will be prepared, printed and distributed, and posters will be prepared and displayed on municipal boards all over the city. We will work with public institutions and organizations to protect the endemic species specific to our city (sturgeon fish, pancratium maritimum, purple gallinule etc.) and try to explain their importance.

Funded by the European Union

9. eOY4Ps e-Oceans: Connecting Youth, Protecting Seas	
School Name	**32nd Primary school of Piraeus**
Country of Origin	**Greece**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

"e-Oceans: Connecting Youth, Protecting Seas" is a six-month project aimed at strengthening ocean and water literacy among primary school students through cross-border collaboration between a school in Piraeus, the largest port in Greece, and a seaside school in Spain. In line with the aims of Mission Ocean, the project seeks to deepen students' understanding of how humans affect the oceans, and beaches, to learn about marine heritage, while encouraging digital skills and cultural exchanges. The main priority of the project is whether the use of plastics creates a problem in the sustainability of the biodiversity of the sea, especially in the coastal areas of large cities and ports. On-site research on the coasts of our city of the existence or not of microplastics in the sea with the support of organizations that protect the sea. Key activities include facilitating virtual classroom exchanges to share knowledge about local marine environments and cultural knowledge, collaborating in digital storytelling workshops to project perspectives on ocean-related issues, and engaging in hands-on marine research science and coding activities to develop interactive games related to ocean conservation. Also, the project aims to organize community outreach events such as beach clean-ups and ecological awareness campaigns and host a leading virtual symposium to present project results and propose solutions to address ocean-related challenges. In addition, the project incorporates innovative technologies such as Microbit with environmental sensors and WeDo 2 kits for students to become familiar with the problem-solving process and to explore hands-on the concepts of engineering and algorithmic thinking related to the creation and programming of robotic structures. The purpose of these robotic structures will be to protect the Mediterranean. During the implementation of the project, we have also planned the visit of the students to a seawater purification site located in our city - in Psitallia, the meeting of our students with experts from the Marine Research Foundation on the issue of biodiversity in the Mediterranean Sea, the holding of debates between students of 12 years old schools in our city on the topic of reducing the use of plastics and its effects on marine biodiversity. Our collaboration with the school advisor of the teachers of our city will be completed by planning two workshops for the teachers of our city and conducting a final campaign at school SHORE – Open Call # 1 Annex 2.1. – SHORE Proposal Template 2/8 to raise awareness among the local community, parents of our students, and stakeholders of the municipality of Piraeus.

Funded by the European Union

10. DBA: "Deep Blue Awakening"	
School Name	**IES Serra d'Espadà**
Country of Origin	**Spain**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic #5 Sustainable use of water resources Sub-Topics: Drinking water**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

This project focuses on the pressing issue of ocean pollution by involving high school students, educators, and fostering collaboration with other educational institutions across Spain and Europe. Through a multifaceted approach, the project seeks to deepen students' understanding of oceanic ecosystems, the impact of pollution (especially those typical of the ceramic industry, the present in our area), and the importance of conservation efforts. The students will become researchers and will investigate how to measure and analyse the pollution present in the Mediterranean Sea offering students the opportunity to dig into topics such as microplastics, chemical contaminants, or the effects of agricultural runoff on coastal waters. In addition, students will be able to design experiments, collect data, analyse findings, draw conclusions and propose solutions. This hands-on approach not only enhances students' scientific inquiry skills but also fosters a sense of ownership and agency in addressing environmental challenges. Furthermore, the project fosters collaboration and knowledge exchange among students, educators, and institutions through various channels. Collaborative research projects with other schools in Spain and Europe allow students to share data, compare findings, and gain diverse perspectives on ocean pollution. To share all this information among collaborators and anyone interested, we will use a mobile application, 'geonity,' which allows us to input this information on a map. This way, with an easy-to-use and visual application, we can practically know in real-time the situation of our Mediterranean Sea. Finally, we propose a local contest for all the students in town: Sustainable Art Competition, in which all the students in our town will be able to create posters, propose changes in our daily lives, etc. SHORE – Open Call # 1 Annex 2.1. – SHORE Proposal Template Funded by the 2/8 European Union In summary, the project offers an integrated approach to addressing ocean pollution, empowering students to become informed, engaged, and proactive agents of change in safeguarding our marine ecosystems for future generations. Through a combination of education, research, collaboration, and action, the project aims to inspire collective efforts towards a healthier and more sustainable future for our oceans.

11. RME: HotPS Renewable Marine Energy: Harnessing the Power of the Sea	
School Name	**Konak Mersinli Mesleki Teknik ve Anadolu Lisesi**
Country of Origin	**Türkiye**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic #5 Sustainable use of water resources Sub-Topics: Fisheries and Aquaculture, Coastal Tourism**
Project Duration	**up to 6 months**
Date of the Award	**14th June 2024**

Project Description:

The "Renewable Marine Energy: Harnessing the Power of the Sea" project is an interdisciplinary initiative aimed at exploring and implementing renewable energy solutions derived from marine resources. By leveraging the dynamic forces of the sea, we seek to innovate and develop sustainable energy technologies while fostering environmental stewardship and awareness within our school community. Through collaborative efforts involving students from various disciplines, including electrical and chemical engineering, this project will delve into key aspects of marine energy utilization: 1. Tidal Energy: Students will design and construct devices to harness energy from tidal currents. Electrical engineering students will focus on optimizing device efficiency, while chemical engineering students will explore materials and coatings suitable for marine environments. 2. Wave Energy: Research and experimentation will be conducted to understand wave energy conversion technologies. Students will investigate wave energy capture mechanisms and develop prototypes for real-world testing. 3. Seawater Electrolysis: Chemical engineering students will investigate electrolysis as a means to produce hydrogen from seawater. This process will be studied for its potential in renewable hydrogen production, contributing to the broader goal of sustainable energy storage. 4. Community Outreach: The project will extend beyond the classroom, with organized outreach activities to raise awareness about renewable marine energy within the school and local community. Through educational workshops and public demonstrations, we aim to inspire others to embrace sustainable energy solutions. With a focus on innovation, collaboration, and environmental responsibility, "Renewable Marine Energy: Harnessing the Power of the Sea" seeks to empower students to become leaders in the transition towards a more sustainable future. By harnessing the power of the sea, we aspire to not only generate clean energy but also install a sense of stewardship for our precious marine ecosystems.

12. TriO: Through the RIver to the Ocean. EU Schools' contribution in preserving biodiversity in waters	
School Name	**ISTITUTO COMPRENSIVO VICENZA 5 - School Primary Giuseppe Giusti**
Country of Origin	**Italy**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity** **Sub-Topics: Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14th June 2024**

Project Description:

The project aims at activating on Blue Education issues a network of Schools based in non-coastal areas in Italy, Hungary, Bulgaria and Jordan. Through educational, training and awareness raising paths, the involved Schools and the related educational communities will be jointly mobilised in safeguarding the water ecosystem from local to global level and protecting aquatic biodiversity. The crucial importance of the Water Ecosystems for the future of the planet, will be addressed starting from the interdependence between land and marine environments and the key role of Rivers in connecting the two ecosystems. The effect of human action on the quality of aquatic life will be analysed, focusing on climate change and the pollution of river and sea waters. Parallel educational paths will be started up in all the involved contexts, which are different in terms of geographical, historical and social features, but they all deal with a River flowing into a Sea (the Mediterranean Sea, the Black Sea and the Dead Sea respectively). Despite being located at different latitudes, TRiO partners Schools share a range of similar problems relating to water pollution, that can facilitate them in building a common understanding of the project issues from local to global level and to jointly mobilise for providing solutions. Each local community will enhance its own specificities in terms of experience of the project issues, cultural background and communication skills, in view of a mutual learning pathway and a collective mobilisation to be started up. Each school contributes by (i) sharing its own experience (ii) mobilising the local community (families and local civil society) and (iii) providing creative contents for a shared campaign to be spread on social media. Based on previous successful experiences carried out at an international level by Sazani Associates (https://www.sazani.org/), the project path alternates the administration of water literacy contents, with the activation of outdoor experiences and the development of creative, artistic and performing pathways, aimed at consolidating knowledge, mobilising at both a local and digital community level and stimulating commitment through emotional attachment.

Funded by the European Union

13. ATOL: Art as a Tool for Ocean Literacy	
School Name	**Gullmarsgymnasiet**
Country of Origin	**Sweden**
Target SHORE Area	**Baltic Sea Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity** **Sub-Topics: Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14th June 2024**

Project Description:

Gullmarsgymnasiet in Lysekil runs a Marine Biology Specialization education since 1997. The program is college preparatory and characterized by a scientific approach. However, our students have often an interest in aesthetics, which they rarely get an outlet for. A short collaboration between teachers in Marie Biology Specialization and the visual artist Annika Rockström was launched in autumn 2023, where students learned the basics of watercolor painting in combination with a lecture on the use of art in natural science from a historical perspective. This pilot experience resulted in a small-scale exhibition in Lysekil displaying the students' artwork and knowledge to the public. The project was widely appreciated by the pupils and the public. Virtue discs have long been used in education to study the settlement of marine organisms on empty surfaces. These discs provide a unique opportunity to study the settlement in real time, as they can easily be picked up from the water and the newly settled microscopic organisms can be studied under a stereo magnifier or a microscope and then put back again into the water. Studying the surface at regular intervals gives an idea of the growth and succession of the organisms over the year. Now we want to deepen and develop the co-operation started with Annika Rockström by moving forward with more classes and giving them more time to work with aesthetical contents. First and foremost, we want to give more marine biology pupils the opportunity to participate in the project in the spring of 2024, drawing from the virtue discs both before and after the summer, to get a clearer picture of the growth during this period. We also want to develop a collaboration with another Blue School in Sweden, Strömstad gymnasium, inviting them to join the project and participate in two workshops for a couple of days in the autumn of 2024. The project would finish with an exhibition in the city art hall (Lysekils konsthall) during the annual Sustainability Week (Hållbarhetsvecka) in October, where the pupils would present their work and hold workshops for the wider public.

14. TRiO: Through a River to the Ocean (the contribution of partner Schools in preserving biodiversity in water)	
School Name	**AlRajaa School for Deaf Children (zeina alkaraki)**
Country of Origin	**Jordan**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity Sub-Topics: Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The project aims to mobilise on Blue Education issues a network of Schools based in non coastal areas in Italy, Hungary, Bulgaria and Jordan. Through educational, training and awareness-raising paths, the involved Schools and the related educational communities will be jointly mobilised in safeguarding the water ecosystem from local to global level and protecting aquatic biodiversity. The crucial importance of the Water Ecosystems for the future of the planet, will be addressed starting from the interdependence between land and marine environments and the key role of Rivers in connecting the two ecosystems. The effect of human action on the quality of aquatic life will be analysed, focusing on climate change and the pollution of river and sea waters. Parallel educational paths will be started up in all the involved contexts, which are different in terms of geographical, historical and social features, but they all deal with a River flowing into a Sea (the Mediterranean Sea and the Black Sea respectively), so they share the same problems relating to water pollution and the same objectives for its protection. Each local community will enhance its own specificities in terms of experience of the project issues, cultural background and communication skills, in view of a mutual learning pathway and a collective mobilisation to be started up. In a collaborative network, each school contributes by (i) sharing its own experience (ii) mobilising the local community (families and local civil society) and (iii) providing creative contents for a shared campaign to be spread on social media. Based on previous successful experiences carried out by Sazani Associates, the project path alternates the administration of water literacy contents, with the activation of outdoor research paths and the development of creative activities aimed at consolidating knowledge, mobilising at both a local and digital community level and stimulating commitment through emotional attachment.

Funded by the European Union

15. SQ4POL SeaQuest: A fight against water pollution	
School Name	**Gymnasium of Kanithos**
Country of Origin	**Greece**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: F Plastics & Microplastics, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Our students' motivation was an ominous observation made on the grounds of sea pollution, concerning the Euripus Strait, where our town is situated. During an educational visit to a nearby small marina students observed that the seabed was full of heterogeneous objects that DO NOT belong to it, e.g. plastic chairs, household appliances, bicycles, electric scooters, nets, plastic bottles, vehicle wheels, etc. and after discussing the problem they concluded that this is due to various reasons such as human indifference or even carelessness deriving from the wrong perception that the sea is the "melting pot" of all kinds of waste objects, land-based flooding phenomena and overflows of rivers and streams, which due to climate change carry away a large volume of objects. After brainstorming and constructive dialogue, students proposed the construction of an underwater robot that would identify the heterogeneous objects on the seabed and report their exact location to a recovery team using Machine Learning and/or Artificial Intelligence. The underwater robot would be programmed to collect seawater samples from different layers of the sea as well as to receive various measurements related to the physical and chemical composition of seawater. Another idea which was put forward was to construct a low-cost "swarm" of underwater robots rather than a single one in order to achieve larger scale scanning of underwater areas in less time. The underwater robot's mission will be to start from a given point, with a predefined course parallel to the coast, to detect objects that do not belong to the seabed and to mark them in some way (e.g. float and/or with a message from GPS) in order to facilitate their detection and immediate retrieval by specialised teams (e.g. divers). It will consist of two parts: the underwater section and the accompanying surface vessel. The submarine will be constructed with plastic water pipe and will carry three motors - two for propulsion and one for depth change - an LED light, ballast, floats and a camera in a watertight transparent box. The submarine will be connected to the accompanying vessel by cable. The escort vessel will contain the battery, the electronic parts in a watertight box, the photovoltaics, a small weather station and two motors for propulsion. According to the planned route, it will start from a point and move parallel to the coast, constantly moving away from it. If it identifies a predefined object on the seabed (image recognition) it shall leave a rope with a plumb line at one end and a brightly coloured float at the other and/or with a message from GPS, distinguishable from the recovery team.

Funded by the European Union

16. WAVE Waste Awareness – Volunteer Effects	
School Name	**Hatay Fen Lisesi**
Country of Origin	**Türkiye**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cruise Ships, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Our school is located in Antakya, Hatay, a city severely affected by the major earthquake that occurred on February 6th 2023. The earthquake caused marine waste and litter, which poses damage to ecosystems and a negative impact on local people's health. For this reason, we aim to address to the topic "Hazardous Substances and Marine Litter" with this project, studying various waste from cruise ships and waste from cities such as plastics and heavy metals. The distance litter can travel - from one country to another, across oceans and seas - and the scale of the problem makes marine debris a global concern that requires countries to work together. We have, thus, established a partnership with a suitable school from Pella, an inland town in Greece, also embracing Albenian migrants (General High School of Axos, with the ID number E10108547) and we plan to collaborate with them throughout the project. We aim to increase ocean and water literacy, and our students' knowledge about water pollution as well as the implementation of sustainable practices in our school. We will carry out engaging activities centered around students to foster their environmental skills. We will integrate the learning outcomes from the project into our school's curriculum and daily practices. We have 342 students in our school, including migrants from Syria. We will provide them with problem based learning activities in a collaborative atmosphere such as workshops, seminars, field trips and exhibitions. To enhance the impact of our project, we will collaborate with TEMA, The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habitats, local NGOs and resort to local government authorities.

Funded by the European Union

17. FEEL&HEAL: Feel the Nature, Heal the Ocean	
School Name	**Montessano Elementary School**
Country of Origin	**Romania**
Target SHORE Area	**Danube River Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity** **Sub-Topics: Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

In a world facing environmental challenges, especially those related to the restoration of oceans and water, the importance of education has never been more critical. Recognizing this, Montessano Elementary School is embarking on a ground-breaking project aimed at integrating information on the protection and restoration of marine and freshwater ecosystems and biodiversity, the prevention and elimination of pollution in our oceans, seas, and waters, and the promotion of a sustainable blue economy that is carbon-neutral and circular, into its curriculum. This initiative aims to empower children to become agents of change. To increase ocean and water literacy, teachers will be trained to become Ocean Blue Mentors, all students will develop self-directed as well as jointly developed projects focused on waters in Romania, participate in outdoor study visit to the Danube Delta alongside water researchers including a Beach Clean-Up campaign together with the National Scouts Organization of Romania and write an Erasmus+ project with a peer Blue School from the Network. Innovative educational tools such as "Heal the Ocean" interdisciplinary Curriculum, the selfassessment students' Journal around a teaching method that combines formal, alternative (Montessori) and nonformal (Scouting) elements are part of the project's objectives. The Climate Pact Pledge is at the heart of the School's commitment to nature, by use of trains as more sustainable means of transport for the outdoor activities, of recycled paper for educational materials to be locally printed and a prioritisation and smart use of digital instruments such as eduRADIO, podcasts and social media for awareness raising. Joint governance of the project from developing to implementing is a high priority, with mixed team including all teachers, financial manager as project manager, marketing manager and school founder for awareness raising of the Romanian educational market on the Blue Ocean need to be healed.

Funded by the European Union

18. MASCOT: Microplastics Assimilating by Chemical Oxidation Treatment	
School Name	**Antalya Private Konyaaltı Bahçeşehir College Science and Technology High School**
Country of Origin	**Türkiye**
Target SHORE Area	**Black Sea Area, Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Microplastics are a dangerous factor in the world's oceans. A way that demineralizes the water smoothly is seen as a possible solution. It is found that chemical oxidation is the best way to reach minimal level ionized microplastics. It causes a chemical cascade that forms redox reactions. The team made an algorithm to determine which road should be walked (Figure 1). Also, a device that includes these steps within had to be designed. A design that was suitable and authentic to the situation had to be created (Figure 2) and it should be called "The Bell". Blender design was containing familiar materials: a metal cone, electricity-transparent wall circle, thin ceramic layer beneath 21 iron pyramids and electricity wire. Noble gas will have added to a squeezed transparent wall, so that the gas will have a low volume and high pressure to "explode". Then, the diffusion in reaction is simulated by using The Powder Toy and what happens next is questioned (Figure 3). Diffused noble gases apply pressure to iron pyramids and the iron makes an electrolysis reaction with water. In that example the electrolysis causes salt to precipitate despite no evaporation and high solvability (Figure 4). It could be seen that there is salt at the bottom, so it can be supposed that oxidation had occurred. It could be assumed that it will also happen in bigger water masses, for instance in the sea to microplastics. Like the solid salt, bigger "macro" plastics could be easily noticed and grabbed. "Bell" is ringing to save the seas this time.

Funded by the European Union

19. Seafarer's Dream: Discovering and protecting our marine natural wealth using ICT	
School Name	**Theodoropoulos School**
Country of Origin	**Greece**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Oil rigs, Plastics & Microplastics, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The aim of the project is to make the students environmentally responsible citizens. Through their active participation and the pedagogical use of ICT applications, they will try to understand the significance of a local problem, discover the value of the coastal and marine ecosystem and the coasts of their local place, reflect on the impact of coastal and marine pollution on the life of the organisms living there and on their own health. Moreover, they will explore other areas to see how other communities deal with the same problems. Finally, they will propose solutions to address the problem they have studied. Students will engage in experiential field research that will enable them to develop skills of participatory research and place-oriented action, using ICT applications in collaboration with the scientific community. The pedagogical use of ICT transforms traditional teaching practices and enhances students' active engagement. The project will be implemented in three phases applying the CARE-KNOW-DO educational model. In the first phase (CARE phase), students, through relevant activities, will reflect on the value of the sea in the life of many organisms as well as in their own lives. They will also reflect on the impact of pollution on the marine ecosystem and thus on their health. In the second phase (KNOW), they will study coastal and marine pollution. They will work with other schools both in their region and outside Greece to find common risks and threats to the ecosystem. They will visit Marine Research Centres in Greece and Italy, where they will have the opportunity to meet the scientific community and learn about the research being done in the field. They will also visit a sea turtle protection centre (online) in order to understand the risks and threats that marine species living in Greece are facing, and especially those in their local area. In the third and final phase (DO), students will have come up with proposals and actions to implement. As a part of the actions in this phase, they will build an electronic device (scale model) to collect solid floating waste from the sea and measure the water pollution in the area using the Arduino microcontroller. They will also participate in the sea turtle adoption program of the Archelon Society by symbolically adopting an injured turtle. The students' work will be presented as a solution proposal for utilization to the local Municipality and will also be presented on the Regional Schools Science Day. Moreover, it will be promoted through schools' Channel in the European School Radio as well as the local media.

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20. Children of the Black Sea Hand in Hand	
School Name	Düzce Borsa İstanbul Mesleki ve Teknik Anadolu Lisesi
Country of Origin	Türkiye
Target SHORE Area	Black Sea Area
Target Topic / Sub-Topic	Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cities
Project Duration	up to 6 months
Date of the Award	14 June 2024

Project Description:

As part of the Mission Ocean objectives, one of the crucial steps towards a sustainable world is the prevention of pollution in the oceans. It's essential to sensitize society about marine pollution, environmental awareness, and sustainability. As educators, we strive to raise awareness among young people about sustainability through education, awareness, and engagement programs conducted in schools. We believe that this will contribute to the formation of a more conscious and active society in the future regarding environmental protection and sustainability. Within the framework of the SHORE project, we will have the opportunity to conduct studies with our students on the causes and solutions of pollution in the Black Sea. Through these studies, we aim to raise awareness among our students about sustainable environmental issues, equip them with green skills, encourage them to protect natural heritage, and leave a more liveable world for future generations. Our students will have the opportunity to examine the efforts to reduce and control pollution in the seas firsthand, gaining knowledge on topics such as plastic waste, chemical pollution, pollution caused by various sources, and waste management. They will also grasp the importance of innovation and technology in combating marine pollution, and develop skills in research, observation, and analysis to contribute to the prevention of pollution in the Black Sea. Throughout the project, we will collaborate with our partner school holding the Blue School Label in Constanta, Romania. Through mobility to Romania, our students will have the chance to conduct on-site inspections regarding the causes and solutions of pollution on the European shores of the Black Sea. They will observe good practices for pollution reduction in the region and receive training from experts on the subject. Thus, they will compare the activities related to the topic conducted in their own shores and European shores, engage in idea exchange with their European peers, and seize the opportunity to develop joint solutions. Through our dissemination activities within the project, we will raise awareness about pollution in the Black Sea at the local, national, and international levels. We believe that by creating awareness about the issue in our community, participation in preventing marine pollution will increase.

21. S.E.A: Sustainable Earth Alliance	
School Name	**Hüseyin Boyacı İlkokulu (primary school)**
Country of Origin	**Türkiye**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cruise Ships, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

This project aims to enhance ocean literacy at the elementary school level, focusing on hazardous substances and marine debris in the oceans. It will cover subtopics such as plastics and microplastics, urban waste, and waste from cruise ships. Our project seeks to provide students with knowledge about these issues and raise their awareness of protecting our seas. Through educational materials and interactive activities, students will learn about the sources, impacts, and necessary steps to prevent marine pollution. By the end of the project, we expect the students to exhibit more responsible behaviour towards marine debris and to create awareness within their communities.

22. AMB: Admire Marine Biodiversity.Eco-sustainable explorations in the Miramare Marine Protected Reserve, Trieste – Adriatic sea	
School Name	**ISIS M. Buonarroti**
Country of Origin	**Italy**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 3 Biodiversity** **Sub-Topics: Preserve biodiversity in waters**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The project aims to raise awareness of the importance of marine biodiversity conservation among the students (about 160 aged 14-15) of the 8 first classes of the a.s. 2024/25, as part of the Institute's reception project, in collaboration with marine biologists from the Miramare Marine Protected Area, a WWF oasis located in the Gulf of Trieste in the Adriatic Sea. The students, divided into groups, will carry out a series of activities aimed at learning about the marine ecosystems of the Reserve, combining science (monitoring and data collection, microscope observations), sports (sea watching /snorkelling, Stand Up Paddling to make the observations) and eco-sustainability with regard to transportation (train and walking will be used), surveys at sea and materials used without polluting, in collaboration with the marine biologists of the Reserve. Through theoretical lectures, hands-on activities and final processing of results, the girls and boys will gain an in-depth understanding of the importance of marine biodiversity, under the banner of citizen science, promoting responsible citizenship actions. At the end, they will engage in the processing and dissemination of the collected observations and data with digital tools.

23. S.E.A. SEA ECO ART ACTIVITY	
School Name	**Primary School Bartula Kašića Zadar**
Country of Origin	**Croatia**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter** **Sub-Topics: Plastics & Microplastics**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The SEAA project aims to improve marine education for students and teachers of Bartula Kašića Primary School, empowering students to become agents of change and environmentally conscious citizens. Through the SEAA project, students, teachers, and other stakeholders from the school and the local community of Zadar will be encouraged to collaboratively address the issue of hazardous substances and marine waste, specifically plastics and microplastics, in an innovative and experiential manner. Students, along with teachers and the local community, will participate in beach clean-up activities, water sampling, workshops, discussions, competitions, field and laboratory trips, exhibitions based on circular economy principles, and a twinning project with a school from another country. These activities will enable students to engage with real-world issues, apply their knowledge in a practical setting, and help Bartula Kašića Primary School in achieve the goals of the Mission Ocean and become an accredited member of the Blue Schools network.

24. OED: Ocean Explorers in Düzce	
School Name	**Topçular Secondary School**
Country of Origin	**Türkiye**
Target SHORE Area	**Black Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cruise Ships, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

This project will increase students' ocean literacy and make a significant contribution towards sustainable marine resource conservation in the local community. The project will help raise the awareness of students, teachers and the district on environmental responsibility and sustainable living. In addition, the project is expected to meet the criteria to become a European Blue School, gaining an international dimension and taking a leading role in the dissemination of ocean literacy. This project offers a comprehensive and multidimensional approach that aims to develop an in-depth understanding of ocean ecosystems and human interactions. Students will have the opportunity to find solutions to problems in marine life by conducting scientific research, raising environmental awareness through artistic expression and taking active roles in the community. The Ocean Explorers project will contribute to raising students as individuals who are equipped and sensitive to the environmental challenges they will face in the future.

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25. ILCC: Marmara: Improving Island Literacy and Fight Against Climate Crisis in Marmara Island	
School Name	**Recep Ahmet Mercan Secondary School**
Country of Origin	**Türkiye**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 4 Climate Change** **Sub-Topics: Rising Temperature, Droughts, Rise in Sea Levels**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The project aims to enhance literacy levels at Recep Ahmet Mercan Secondary School, located on Marmara Island, and improve the school's facilities to combat the climate crisis. The project aims to educate 70 students from Recep Ahmet Mercan Secondary School on the sustainable use of the marine environment, raise awareness about protecting the seas from land-based pollutants, provide action-based learning about the climate crisis, inform about marine creatures, provide island literacy training, and contribute to the future of sustainable blue economy. Its goal is to help students gain blue skills. Twelve events are planned for completion within a six-month period. 1. Trip to Marmara Islands Museum; 2. Education on Sustainable Blue Economy; 3. Island Literacy Education; 4. Visit and Interview with Small-Scale Fishermen; 5. Climate Awareness Training; 6. Island Painting Competition; 7. Island Photography Workshop; 8. Visit to Çanakkale Onsekiz Mart University Sea Turtle Research and Application Center; 9. Bay Walk and Material Collection Event; 10. Creation of an Island-Sea Corner at School; 11. Sea-Themed Books in Children's Literature; 12. Creating a Bookshelf on Children and the Sea in the School Library. The aim of these activities is to enhance the capacity of students at Recep Ahmet Mercan Secondary School to cope with future challenges. The unique structure of Marmara Island, situated at the junction of the Mediterranean and the Black Sea, makes it both an influencer and an affected area of the climate crisis.

26. BLUE SEAS OF THE FUTURE	
School Name	Şehit Ömer Cankatar İlkokulu
Country of Origin	Türkiye
Target SHORE Area	Mediterranean Sea Area
Target Topic / Sub-Topic	Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cruise Ships, Various Wastes from Cities
Project Duration	up to 6 months
Date of the Award	14 June 2024

Project Description:

The project, aims to cultivate water-literate individuals by enhancing their knowledge and awareness of the critical importance of water for life. This includes understanding the water cycle&quality, pollution, health implications, promotion of local and global resources, and the sustainable management and protection of water resources. Throughout this initiative, our students will engage in various activities such as observation, experimentation and gamification led by expert instructors and academics with specialized studies in their fields. We intend for them to develop water literacy awareness through diverse and experiential methods. As achieving a sustainable future involves creating behavioural changes in individuals, we aim to concentrate on selected thematic issues regarding our local area. Specifically, we plan to investigate the presence of hazardous substances and marine debris in the seas around Istanbul, the city where we reside. Our project will explore the impacts of plastics and microplastics discarded into the sea, examine waste generated by cruise ships, and study the relationship between the sustainable use of water resources and human life, and the effects of climate change. We intend to disseminate its importance through activities to our students, teachers, and parents, encouraging active participation from all stakeholders. We will acquaint our teachers and students with the blue curriculum and organize activities that align with the thematic contents of their lessons. Furthermore, we aim to elevate water literacy awareness by collaborating with international and national organizations. We plan to initially raise awareness of our project within our district, eventually extending throughout the province.

27. HEAL: Protect Sea, Heal the World	
School Name	**Yenişakran Yunus Emre Ortaokulu**
Country of Origin	**Türkiye**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Oil rigs, Plastics & Microplastics, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Pollution in Turkey's seas is increasing. In parallel with the increase in industrialization and coastal tourism, there has been an increase in the population in the region. When the existing infrastructure systems and treatment systems are inadequate, the extent of pollution also increases. According to the information received from TUDAV, wastewater is discharged into the Aegean Sea from a total of 15 points on the Turkish coast, including 7 river mouths, 6 large and small domestic and touristic residential areas, and 1 industrial residential area.

These cause pollution equivalent to 10 million people. It is estimated that a total pollution of 7.5 million equivalent population is released to the Aegean Sea by Greece, including approximately 3.6 million resident population and the rest from industrial use. Our school is located on the coast of Çandarlı Gulf, which is a part of this industrial residential area. This project focus on marine pollution and hazardous waste. It will develop awareness of environmental problems, respect for the sea and marine ecosystems, and a sense of responsibility towards our planet. While working on pollution, they will gain knowledge about coast ecosystem, biodiversity and the effects of sea pollution on climate. In exhibitions and MeetNtalk students, teachers, academicians, parents, students nearby school students, a local people and some local authorities will come together and share information in this field. This will create a mass impact in the region.

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28. ZeroMarinePlasticsEdu: Towards a Zero Marine Plastics Education through Mission Based Learning co creation approach	
School Name	**Platon Schools**
Country of Origin	**Greece**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

The project will address four interconnected phases of preventing, mitigating, eliminating and remediating plastic pollution, and monitoring and controlling environmental pollutants. Applying a Mission based co creation approach students will be actively engaged in both subject matter and their learning process. Mission i. Prevention through Innovation by providing evidence about the importance of sustainable materials and product designs that reduce waste such as bio-based and marine bio-degradable alternatives to traditional plastics or new product designs that minimize waste. Mission ii. Mitigation Strategies organizing local clean-up efforts, developing campaigns to promote recycling and responsible waste management within the school and community and exploring the science behind circular tools and technologies. Mission iii. Elimination and Remediation by designing prototypes for collecting marine litter or developing concepts for recycling or upcycling plastic waste into new products. Engaging with local environmental initiatives could provide practical experiences in clean-up operations. Mission iv. Monitoring and Awareness by engaging in citizen science projects to collect data on Pieria district pollution levels in sea and rivers, analyze trends and share findings through presentations, social media campaigns, or school newsletters.

29. DW-V-P: Donauwasser-Verschmutzungs-Projekt	
School Name	**BRg Rainergymnasium**
Country of Origin	**Austria**
Target SHORE Area	**Danube River Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Sustainability and the considerate treatment of nature and water resources is an increasingly important topic these days. Vienna benefits directly from the Danube as a water reservoir, cooling artery and local recreation area all year round. The Danube is an important recreational area for the city of Vienna. In addition to being used for shipping goods, it is also used for tourist traffic. In addition, it is a place in the city in summer to cool off, enjoy leisure activities and escape the heat of the city. In addition to the benefits for humans, the Danube also represents a habitat for a wide variety of flora and fauna, which could be endangered by increasing temperatures and increasing tourism in the city. Furthermore, several scientific articles have already stated that the Danube water is heavily polluted by plastic and sewage. The project is intended to address the effects of inadequate disposal of waste on the Danube ecosystem and to teach students the importance of sustainable consumption through practical work.

30. MPAD: Minimising Pollution in Adriatic Dalmatia	
School Name	**Primary school Šime Budinić Zadar**
Country of Origin	**Croatia**
Target SHORE Area	**Mediterranean Sea Area**
Target Topic / Sub-Topic	**Topic # 2 Hazardous Substances and Marine Litter Sub-Topics: Plastics & Microplastics, Various Wastes from Cruise Ships, Various Wastes from Cities**
Project Duration	**up to 6 months**
Date of the Award	**14 June 2024**

Project Description:

Primary school Šime Budinić Zadar, Croatia will submit a project as part of the SHORE – Open Call #1. Primary school Šime Budinić Zadar is already a member of the European Network of Blue Schools. Name of the Project is "Minimising Pollution in Adriatic Dalmatia". Planned start date is in September 2024 and project completion is planned for February 2025. The project manager is Biljana Agić, biology professor. The main stakeholders of the project are the school staff (principal, teachers and students) and the project partners ("Čistoća Zadar d.o.o.", the diving club Sveti Roko Bibinje, the Institute of Public Health of Zadar County, the Community of Technical Culture of Zadar County, as well as partners outside of Croatia: E-twinning schools from Italy and Türkiye. Objectives of the project are to empower students in becoming agents of change and conservation of biodiversity through educational lectures on marine litter, acidification of the sea and microplastics, workshops, visiting conferences, sea water analysis and visits to the recycling center on the island of Krk and the Telašćica Nature Park.

SHORE

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