

ERASMUS +: BlueS_Med project

2020-1-FR01-KA201-080531

Supporting the development of socially inclusive Blue Challenges in schools in the Mediterranean Sea basin

Training event C2 GREECE

Summary report

Date: 5th-8th May 2022 **Country:** Greece Venue: HCMR premises in Crete























The second training event (C2) was organized at the premises of the Hellenic Centre for Marine Research (HCMR) in Crete (Greece) between 5th and 8th of May 2022.

Objectives

The four days combined a diversity of educational activities such as workshops, labs and field work organized by the Educational Teams of HCMR (HCMR-Crete, HCMR-Athens, Cretaquarium) for the teachers and pupils of the project, but also partners-teachers exchanges and social events.

Activities

5th May: On the first day, a general introduction and welcome session helped break the ice between participants from the different countries, and the pupils from different age groups. A general overview of roles and responsibilities was made, particularly on the pupils' roles as "blue ambassadors" and "blue reporters". This session was followed by a guided tour at the Cretaquarium.



6th May: The second day two educational activities were planned: The first one was outdoors on different types of beach (e.g., sand and pebbles) and aimed at teaching pupils about marine life whereby the pupils, teachers and partners were divided into small groups and collected as many "traces of life" as possible, filling in each their list with their findings. They all gathered in the end to



















expose the different traces that each group found. This was a great opportunity for pupils to learn about *Posidonia oceanica* meadows and macroalgae, but also about the different tiny inhabitants of the sea such as crustaceans, sea urchins and molluscs.

The second educational activity took place indoors in the laboratory of the Cretaquarium: Explaining in a simple and fun way the movement of the Ocean's currents, starting by telling the story of the famous yellow ducks shipment lost in the ocean. To begin with, with a simple balloon experiment, explaining how hot masses of water travel upwards in the ocean and create upwellings. Then, to visualize better what happens in the oceans, a series of colourful/tasty experiments that highlighted how hot, cold and salty water masses move in the oceans of experiments were done with the assistance of the pupils.

- A water and cinnamon dish, some air and sketching tools help explain the surface currents
- A hot and cold bowl placed under a large water recipient to explain the impact of water temperature on current circulation
- A green salty water to explain the salinity of the sea/ocean
- Hot (red) cold (blue) and salty (green) water poured in a large water recipient explain the movement of these different water masses.

The last session was the first part of project presentations. A combination of videos, animations, presentations and games allowed the teachers/ pupils to present their different blue challenges.













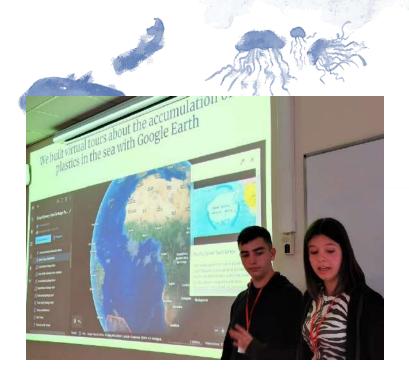












7th May: The third day, the activities started with a guided tour in the Archaeological Museum of Heraklion whereby all the marine related heritage and artwork was explained to highlight the strong links between the Greek (and Mediterranean) culture and the sea. From octopus art to nautilus symbols and ship depictions, the ancient Minoans were quite fond of the sea and its symbols. Presentation of the different blue challenges by the teachers/pupils by using videos, animations, presentations and games was then followed at HCMR premises.

In the afternoon, another set of educational activities took place in parallel: One more beach activity, and another laboratory session. On the beach, this time the pupils were requested to find traces of human activity, to search and categorize marine litter. The proper safety measures were taken, and pupils were astonished by how much easier it was to find marine litter as opposed to traces of marine life. In the end, the pupils gathered to create a small art work with the items they found, namely resembling a sea turtle. As for the laboratory activity, it was time to learn about plankton. The pupils got all excited about watching these tiny creatures through the microscopes.

In parallel the marine biologist from Cretaquarium was showing informational slides on the different types of phyto- and zoo- plankton and explained the importance of these microscopic animals for the food web, and thus for humans.























8th May: On the last day, the pupils were left to work together on their projects, exchange and learn, whereas teachers and project partners discussed for the first time in person to lingering issues related to management and communication. Important debates took place, but also crucial decisions were made. The collaborative work accomplished helped to define tools and the process for monitoring and evaluation of the blue challenges.

























Participants

Approximately **43 teachers and pupils** of the four partner countries participated in C2. **10 partners** participated in person, too. For safety concerns (linked to the conflict between Russia-Ukraine), French and Maltese pupils did not attend the event. However, a hybrid solution was provided for the ones who could not be present in person.





















During the event, pupils, teachers and partners had the opportunity to work together, exchange and learn and discuss for the first time in person.

Challenges

For safety concerns, French and Maltese pupils did not attend the event. However, a hybrid solution was provided for the ones who could not be present in person. Language was a barrier especially for the pupils. However, different activities that took place during the event helped pupils to overpass this barrier and find common ground to work together, exchange and learn.

Key messages

Sharing experiences and practices among partners, teachers and pupils of different countries as well as the feedback from the pupils gave new insights for the required actions and steps forward concerning the project.

The training event C2 of the BlueS-Med project was presented at the EMSEA Conference 2022: **Koulouri, P.,** Andriopoulou A, Fourgialakis M., Antoniadi D., Mogias A., Boubonari T., Alvisi F., Merlino S., Grossmith J., Copejans E., Mashkina O., Noon V., 2022. The ERASMUS+ BlueS_Med project: Experiences from the second Training Event (C2) in Crete, Greece. 9th *European Marine Science Educators Association*, 25-28 September 2022, Palma de Mallorca, Spain.

The video for "EU4Ocean Coalition – 2 years of European Ocean Literacy joint (ad)venture!" was produced during the training event C2 (https://imbbc.hcmr.gr/2022/07/07/eu4ocean-coalition-2-years-of-european-ocean-literacy-joint-adventure/).























Poster for the EMSEA Conference 2022 held in Mallorca between 25th and 28th September 2022



Agenda

Attendance sheets





















