



ERASMUS+ PROJECT: “Research and Conservation of Biodiversity and Climate” KA229 - School Exchange Partnerships



The main objectives of the project

- ✓ Upgrading the research and practical knowledge and skills of the students in the field of natural sciences in order to properly understand the impact of climate change on the formation of biodiversity before and now and to find ways to improve the situation in the future;
- ✓ Outdoor and project-based training will enhance participants' aspirations for self-improvement with environmental focus, for personal activity and social inclusion, for applying their own ideas and experiences in various conditions;
- ✓ Integrate project activities into the curriculum of biology, geography, fine arts and ICT;
- ✓ Analyze environmental issues, to engage in problem solving, and to take action to sustain and improve the environment;
- ✓ The project partners will build eco-corners to transform the school a more desirable area for young people;
- ✓ Identifying and assessing environmental problems;
- ✓ Communicating environmental problems to others;
- ✓ Resolving environmental problems;
- ✓ Adopting behaviours and practices that protect the environment;
- ✓ The use of environmental resources following the three R's; Reduction, Re-using and Recycling;
- ✓ Progress of technologies to better satisfy human needs without any detriment to the environment;
- ✓ Understanding the physical environment around us, including knowledge about its resources and the potential damage caused through use and misuse of resources;
- ✓ Carrying out activities aimed at building an Eco-school in the international aspect.



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Project activities in all three mobilities and on eTwinning platform will be held with the participation of students and teachers. The participants will conduct observations, research and analysis. They will discuss and develop digital booklets of examples of environmental studies, a digital vocabulary with environmental terms and concepts, eco-corners for conducting outdoor classes and a long-term international strategy for building an Eco-school. These training sessions will transform the activities started with the eTwinning project “Research and conservation of biodiversity and climate” from a virtual level into real face to face meetings. Our objective is to make students draw conclusions with respect to the relation past – present – future. That is why the project research activities will be developed into three stages: the first – investigation of the past, the second – reflection of the past into the present, what can be changed and improved, and the third – future tendencies. At least 54 students will be directly involved in the three project mobility. The planned activities are expected to influence all students, pedagogical and non-teaching staff in partner schools. The students will be trained to work in a teams in their organizations, moreover they will have to form transnational teams which would considerably increase their motivations.

During the implementation of the project they will explore the flora and fauna of three different marine areas - the coastline of the southern Black Sea coast and the Mediterranean Sea and the Lisbon coast of the Atlantic Ocean. Biodiversity maps will be developed and disseminated with augmented reality tools.

PRIORITIES

HORIZONTAL: Environmental and climate goals

SCHOOL EDUCATION: Increasing the levels of achievement and interest in science, technology, engineering, and mathematics

SCHOOL EDUCATION: Reinforcing the development of key competences

USE OF eTwinning PLATFORM

This Erasmus + project is related to the implementation of an eTwinning platform project launched, which is on the same topic: „*Research and Conservation of Biodiversity and Climate*“.



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This will help us to follow completely naturally and consistently the planned project activities. At the outset, we will share our joint plan of activities, ways in which communication will take place, and information and communication technology tools that will be used to reflect students' online progress on research on the main topic of the project. The platform provides us with the convenience of conducting surveys in order to retain the interest of participants and keep track of their active position. The power of the Forum groups in Twin Space of the project will also be used. Most importantly, using eTwinning, we provide participants with a secure digital environment for communication and collaboration, and build in them the skills to structure and organize information online.

SELECTION CRITERIAS

A school committee in each partner school, including teachers, parents and management staff, will develop the criteria for the selection of the students, willing to participate in the transnational project. The criteria will be discussed between the coordinators of the project partners. That committee will hold the selection procedure pursuant to transparent and clear criteria, detailed and spread amongst the students in advance.

TASKS AND RESPONSIBILITIES OF EACH PARTNER SCHOOL

BULGARIA will be responsible for:

- the complete organisation and project implementation until its completion;
- monitoring of the correct implementation of the project activities in order to achieve high quality outcomes corresponding to the project objectives;
- the monthly announcement of the monthly reports of the partners in the project shared Google Disc;
- the development and design the digital booklet of examples of environmental studies conducted during the implementation of the project activities.

SPAIN will be responsible for:

- the development and updating of the project blog;
- the preparation and sharing of online polls providing background information;
- development of analyses of the project activities and their announcement in the project website and project Twinspace.

PORTUGAL will be responsible for:

- the structure and updating of the information published in the eTwinning platform;
- the organisation of online events in the eTwinning platform;



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- the development and the design of the digital vocabulary with environmental terms and concepts;
- the creation and processing of videos from the held Learning Teaching Training activities.

EACH PROJECT PARTNER:

- will integrate project activities into science curricula to develop students' hands-on learning and their concern for nature within the set deadlines;
- will be responsible for the monthly reports providing information related to the project activities /presentations, videos, virtual manuals/.
- the updating of the information published in the eTwinning platform;
- will take part in organizing of meetings with interested parties, representatives of local institutions, museum curators, centers for environmental protection and biodiversity in order to receive detailed information on the problems and measures taken to use natural resources effectively;
- will conduct various activities and publications to distribute project information and outcomes;
- will contribute to the updating of the project blog as well as of the Twinspace of the project, the shared Google Disc and the digital booklets that will be created;
- will create a long-term strategy for building an Eco-school.