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Learn from the past to build a greener future.

ERASMUS+ KA2 PROJECT
2020-2022

Co-funded by the
Erasmus+ Programme
of the European Union



PROJECT CONSORTIUM

Coordinator:

Liceum Ogólnokształcące im prof. Zbigniewa Religi w Gilowicach, Miedzna / POLAND

Partners:

Istituto d'Istruzione Secondaria Superiore "Sebastiano Mottura", Caltanissetta / ITALY

Agrupamento de Escolas Alexandre Herculano, Porto / PORTUGAL

Colegiul National Pedagogic "Carmen Sylva", Timisoara / ROMANIA

Srednja ekonomsko-poslovna sola Koper, Koper / SLOVENIA

Namik Karamancı Fen Lisesi, Manavgat / TURKEY



Erasmus+

SUMMARY OF THE PROJECT

The project "Learn from the past to build a greener future" has been created as an answer to more and more urgent need of reacting to climate change. It is mainly based on the current situation in energy and its traditional sources in order to find and implement new, ecologically-friendly alternatives. Project partners have noticed that in their countries fossil fuels, especially coal, play an important role in energy system. And it is still difficult to be replaced, either because of economic factors or the social ones. The latter being hard to deal with without unemployment, social uncertainty and anxiety. Therefore, the main objective of the project is to provide its participants with deep knowledge of mining, its history, economic background, culture and traditions based on this industry. Thanks to the project activities the students will be able to collect data about mining, energy sources and climate change, present it in a professional way, analyse and compare with others. It will lead to an increase in knowledge, skills and competence. What is more, it will provide the students with the tools enabling them to act in a wider perspective than school or family. Consequently, project participants will be able to become engaged into pro-climate actions, educate their surroundings about the topic of energy and climate change, the possibilities of regeneration of former mines and the surrounding areas into profitable entrepreneurship, finally protest for the care of climate and environment. Additionally, the project participants will polish their presentation skills, fluency in English, as well as social skills such as: communication, negotiation, teamwork, work to deadlines.

Project partners come from 6 countries: Poland, Italy, Portugal, Romania, Slovenia and Turkey. All schools are general education secondary schools. Thus, students aged 15-19 will take part in the project activities together with teachers of English, Geography and Science subjects. The project will be abundant in activities, which are going to be as follows. Short-term students meetings will be organised by each partner country (6 altogether - 3 per year). Every meeting to be attended by 4-5 students from each partner school accompanied by 2 teachers. The meetings will focus on project work, exchanging information collected in advance, visiting places connected with project topic, such as mines and power plants (also the green ones), as well as discovering culture, traditions, history and geography of the hosting country. Undoubtedly, the perfect opportunity to explore the culture will be accommodation with hosting families. Another important type of project activity is local ecological actions, lectures and visits to places connected with mining and sources of energy. Local actions will cover education campaigns addressed to local communities promoting knowledge about harmful influence of burning coal on the environment, eco-friendly sources of energy and possibilities of replacing coal with less harmful energy. Moreover, there is a lot of concept work planned in the project such as: collecting data, preparing presentations, recording videos.

Local participants of the project will include: other students and teachers in partner schools, parents accommodating students during project meetings, finally local organisations supporting the project, such as universities, mines, power plants.

The project includes various results so that it can reach the biggest possible audience. Therefore, a You Tube channel is planned to be opened, which will work as a journal of the project meetings and other activities, it will promote it world-wide through the use of short recordings showing project meetings, local activities and all project work. Additionally, eTwinning will be an important platform of dissemination of the project. TwinSpace of the project will be one of its results as it will include the reports from project activities, all the presentations prepared, photos and meeting diaries. Another project results will be: project magazine, published 4-5 times a year in a form of PDF presenting project work in the described period of time. Finally, the local actions themselves will work as project results as they will be supported by a lot of materials such as leaflets, posters or social media posts, which will be traceable and easy to collect and present afterwards.

The project is expected to have a huge and long-lasting impact on partner schools and local communities. Local project actions will influence the way people think about energy, its sources, their drawbacks and benefits, and the methods of replacing them with "green" alternatives". Also, noticeable impact on students and partner schools is anticipated. Therefore, a raise in awareness of ecological problems, changes in behaviours and attitudes towards climate change.

Liceum Ogólnokształcące im prof. Zbigniewa Religi w Gilowicach**School description**

Liceum Ogólnokształcące im. prof. Zbigniewa Religi w Gilowicach is a small high school established in 1994. It is a public school which offers general education to students aged 14-18. The school provides its students with the knowledge necessary to maturity exams, which are in the same time entrance exams to universities and higher education. Liceum in Gilowice has got around 180 students and 16 teachers at the moment. The school specializes in teaching Maths, Biology, Chemistry and foreign languages. Most students continue their education at the universities in Poland, a few of them also abroad.

**Location**

The school is located in a small village Gilowice, which is a part of Miedzna Community. The community includes a few villages and a small town Wola. The number of inhabitants totals around 15000. Miedzna Community was settled around 700 years ago. It is renowned for its nature and local traditions, until recently tightly joined to a coal mine, which was closed down a few years ago. Still, many miners live in the community and work in neighboring mines. There are plenty of sports facilities, as well as walking and cycling areas.



Istituto d'Istruzione Secondaria Superiore "Sebastiano Mottura"

School description



The "**Sebastiano Mottura**" technical school is one of the oldest schools in Italy. It was founded in 1862 as Mineral Mining School. At the time Caltanissetta, was considered the sulphur world capital city. The school direction was granted to the engineer Sebastiano Mottura, a famous scientist. The school issued a technical director diploma and allowed people who had obtained it to cooperate and work in the mineral industry as a member of it. In 1970, after the closing of Sicilian mines, an electrotechnical course was introduced as an answer to the updating process of the Sicilian society and to the different employment requests as well. Our school wants to preserve its own tradition giving itself its leading characteristic as a **technological-scientific school**, thus renewing its strong identity. As a matter of fact, in the last year our school has experimented two new courses, a Scientific and Applied Science Liceum and a Mechanical course that can be added to the other three main courses already existing: the Electrotechnics course, the Geo-Environmental course, Mechatronic course and Electrotechnical and Automation course, this last one it's not only a day course but there is also the night class for working students (called Sirio Project) with a particular attention to the long-life learning. Our school is attended by almost 770 students aged from 14 to 18 and 130 teachers. It hosts the Mineralogical and Paleontological museum, founded together with the school and demanded by the school founder himself, Sebastiano Mottura. It contains precious and interesting collections of minerals and fossils, especially crystal minerals coming from sulphur Sicilian mines. Mineral collectors and scholars from all over the world really appreciate their rarity and beauty.



Location

Caltanissetta is in the centre of Sicily and this position allows tourists to visit the region easily. It develops on the side of the valley of the river Salso, on the slopes of Monte San Giuliano and boasts a precious past linked to the activity of sulphur that made it the mining centre of Sicily until the first decades of the last century. In the city you can admire countless natural beauties and numerous architectural works. The Natural Oriented Reserve of mount Capodarso and Imera Valley is an archaeological and naturalistic context of rare beauty where many animal species nest, some of which are endangered. Caltanissetta has a wonderful city centre that includes the four historic districts such as San Francesco, Santa Flavia, San Rocco and Gypsies, characterized by countless lanes, climbs, staircases alternating with large and elegant avenues where most of the prestigious monuments are located and traditions are preserved such as the historic fruit and vegetable market, called Strata 'a foglia.



Agrupamento de Escolas Alexandre Herculano



School description

AGRUPAMENTO DE ESCOLAS ALEXANDRE HERCULANO (hereby referred to as AEAH) is a cluster of nine different schools: six pre-schools and primary schools, two middle schools and one secondary school, which is more than 100 years old) and it is located right in the centre of Porto. Currently the main building (the secondary school) is being refurbished and the students who used to attend it have been moved to the two middle schools. Bearing in mind that in Portugal education is free and compulsory until the age of 18, our school classes range from the pre-school to the 12th year. The secondary education is a cycle of specific studies and it includes various courses whose main purpose is to prepare young people to continue studies in the university or to get a job. These courses are divided into science and humanities, and to specialized artistic, technological or vocational training courses. AEAH offers science and humanities secondary school courses and Tourism technician vocational courses, which are attended by three different groups.



Location

Oporto is the second large city in Portugal . It is small compared to its metropolitan area with a population of 237,559 inhabitants. Porto's metropolitan area has an estimated 1.7 million people), making it the second-largest urban area in Portugal.

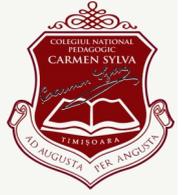
Located along the Douro river estuary in northern Portugal, Porto is one of the oldest European centres, and its core was proclaimed a World Heritage site by UNESCO, in 1996.

Its rich history which dates back to many centuries enriches its cultural wealth as the city is one of the oldest European centers. Varied historical monuments including the cathedral with its Romanesque choir, neoclassical Stock Exchange and the typical Portuguese Manueline-style Church of Santa Clara depict cultural richness. Right from its historical days Porto's shipbuilding industry has seen continuous growth. Its ports have been responsible for the production and export of the fortified wine to great extents. Port Wine, a gift to the world, is named after the city of Porto.

The city unfolds along the river bank and the sea shore, to reveal charming vistas, inviting esplanades and all the pleasures of the outdoors, framed by its green spaces.

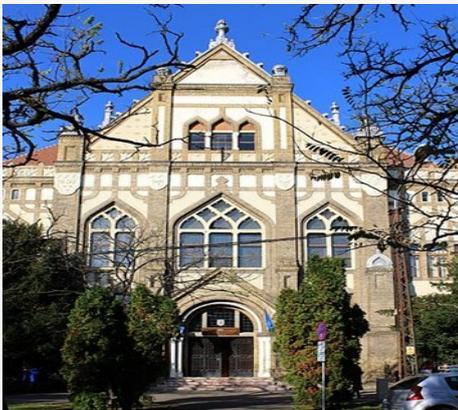


Colegiul National Pedagogic "Carmen Sylva"



School description

Colegiul National Pedagogic "Carmen Sylva" is one of the oldest and most important schools in Timisoara, built between 1902-1903 and established as a Romanian school in 1919. There are 105 teachers and c. 1300 students in primary school, middle school, lower and upper secondary school with two profiles: vocational (pedagogy) and theoretical. The pedagogical profile provides the basic training in kindergarten - primary school teaching specialization. For the theoretical profile, our school has the following specializations: mathematics, informatics, natural sciences, and philology - extensive English curriculum.



Location

Timișoara is the capital city of Timiș County, the third largest city in Romania and the main social, economic and cultural centre in western Romania. Nicknamed the *Little Vienna* or the *City of Flowers*, Timișoara is considered the informal capital city of the historical Banat. The country's third most populous city is the economic hub of the region, with more than 300,000 inhabitants. Timișoara is a multicultural city, influenced by various ethnic communities, especially German, Hungarian, and Serbian, but also Bulgarian, Italian and Greek. The cultural heritage and diversity of the cultural offerings are the city's strong points. With over 12 professional, cultural institutions, Timisoara is, the third cultural pole in Romania in terms of the size and diversity of the cultural offer.



*Srednja ekonomsko-poslovna sola Koper***School description**

Upper - Secondary School of Business and Economics is a public secondary school with a long tradition. It was founded in 1955 in the centre of Koper. The school is a combination of a general education school and a vocational technical school as it offers programmes for economic grammar school, economic technicians, administrators and shop assistants. It is attended by approximately 500 students, aged 15 to 19, who come not only from Koper but also from a wider area, i.e. other coastal towns and local villages. The students study general education subjects (Slovenian, mathematics, foreign languages, geography, history and others) as well as many subjects of economic nature, such as business management, marketing, economics, entrepreneurship, accountancy, statistics, project work, fictive practice firms and others. Most of our students tend to continue their studies at university level.

**Location**

Koper is a coastal town and municipality, which lies in the north of the Istrian peninsula and the Adriatic coast, not far from the Slovenian border with Italy and the one with Croatia. The town has a population of 25,753 and is officially bilingual, with both Slovenian and Italian as official languages. Koper or Capo d'Istria (the head of Istria) used to be an island and a salt panning town. Its origins go as far back as the Roman era; but the Venetian Republic has left the most prominent stamp, which was the time when this town economically and culturally blossomed. With the downfall of the Venetian Republic and the construction of the railway Trieste-Vienna, Koper lost its significance slightly. Nevertheless, after the 2nd World War it started to develop persistently and in time it has become the economic capital of the coastal region, a popular tourist destination and an important port town with one of the most modern and largest cargo ports in this part of the world, being located at the junction of maritime and land routes between the Mediterranean and Central Europe.



Namık Karamancı Fen Lisesi



School description

Namık Karamancı Fen Lisesi, opened in 2011, is a state science high school offering intensive maths, physics, chemistry and biology to students who are accepted to school after some national exams aged 14-18. There are 40 devoted and experienced teachers working at school and around 500 students most of whom are girls. Nearly one-third of the students stay at the school dormitory as they come from neighboring and remote vilages, towns and cities. Most of the graduates study medicine, engineering and law at prestigious universities of the country.



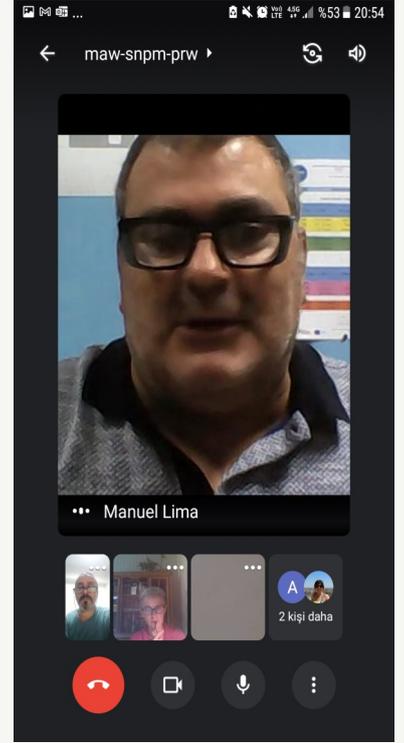
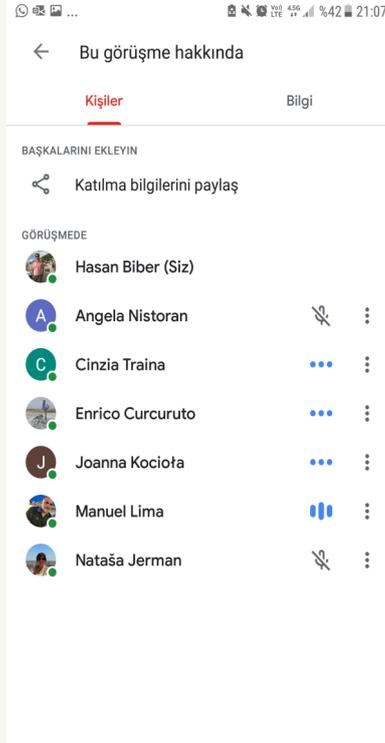
Location

Manavgat is a town located on the southern Mediterranean coast of Turkey with a population of around 250.000. It is a popular tourist attraction welcoming around 5 million tourists every year from Turkey and various countries in Europe and Asia. Manavgat is a district of Antalya province and very famous in the country for its waterfall, river, beaches and Side, an ancient historical port dating back to the 7th century B.C. The town is important not only for tourism but also for agricultural products basically such as bananas, oranges, water melons and sesame.

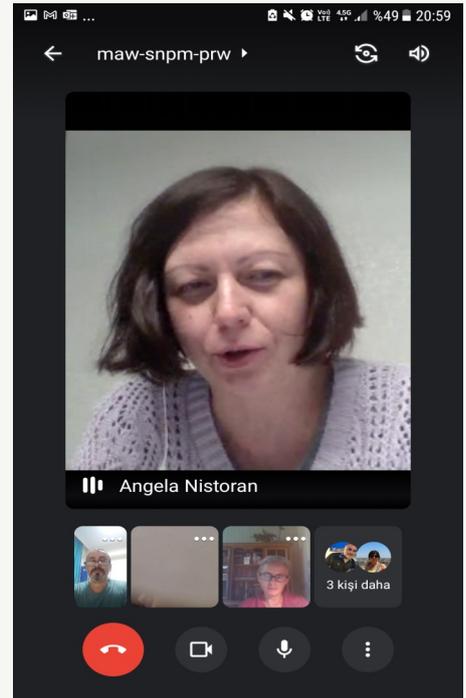
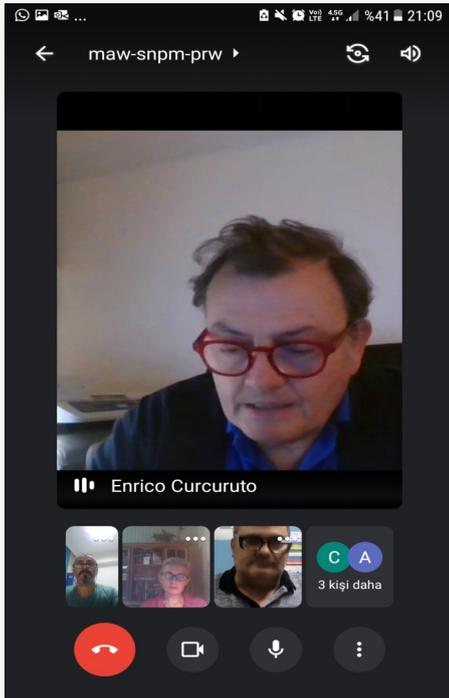


ONLINE MEETINGS

26.10.2020



Project contact persons from all partner school met online via googlemeets on 26th October 2020 and got acquainted with each other. It was a fruitful meeting in which the participants could discuss and plan the first phase of the project.



Learn from the past to build a greener future.

PROJECT TEAMS

Poland

Joanna Kociola teacher of English, project coordinator
Magdalena Szuster teacher of Biology (also bilingual), project team member

Italy

Cinzia Maria Traina teacher of English, project contact person
Enrico Curcuruto teacher of Earth Science, project team member
Renato Fornasera teacher of Maths, project team member
Irene Manzone teacher of English, project team member

Portugal

Manuel Lima headmaster
Maria de Fátima Gama projects coordinator
Lina Costa headmaster staff
Magda Guimarães teacher of Physics and Chemistry
José Mandim teacher of Biology
Gabriela Chaves teacher of Biology
Joana Torre teacher of English

Romania

Angela Nistoran teacher of English, project contact person
Nicoleta Trandafir teacher of Technological Education, project team member
Petronela Barbulescu teacher of English, project team member
Simona Bogdanescu teacher of Informatics and ICT, project team member

Slovenia

Nataša Jerman teacher of English, project school coordinator and contact person
Tanja Skok teacher of Economic subjects, project team member
Nataša Vrčon Tratar teacher of Economic subjects, project team member
Mojca Lazar teacher of Mathematics, project team member
Gregor Sotlar teacher of IT subjects, project team member
Tanja Benčič Rihtaršič teacher of History and Geography, project team member
Smiljana Škvarč teacher of Natural Science, project team member
Maja Kugonič teacher of PE, project team member

Turkey

Hasan Biber teacher of English, project contact person
İlknur Ertan Meriç teacher of English, project team member
Oktay Ozan Yılan teacher of English, project team member



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