

## Context

Main objective of the project	Exchange of Good Practices
Project Title	Green Energy Saves the Earth
Project Acronym	GESE
Project Start Date (yyyy-mm-dd)	2020-09-01
Project Total Duration	24 months
Project End Date (yyyy-mm-dd)	2022-08-31
National Agency of the Applicant Organisation	RO01 Agentia Nationala pentru Programe Comunitare in Domeniul Educatiei si Formarii Profesionale
Language used to fill in the form	English

For further details about the available Erasmus+ National Agencies, please consult the following page:

<https://ec.europa.eu/programmes/erasmus-plus/contact>

## Project Summary

Please provide a short summary of your project. Please recall that this section (or part of it) may be used by the European Commission, Executive Agency or National Agencies in their publications. It will also feed the Erasmus+ Project Results Platform.

Be concise and clear and mention at least the following elements: context/background of project; objectives of your project; number and profile of participants; description of activities; methodology to be used in carrying out the project; a short description of the results and impact envisaged and finally the potential longer term benefits. The summary will be publicly available in case your project is awarded.

In view of further publication on the Erasmus+ Project Results Platform, please also be aware that a comprehensive public summary of project results will be requested at report stage(s). Final payment provisions in the contract will be linked to the availability of such summary.

Green Energy Saves the Earth is a 6 countries partnership: in the context of climate change, pollution and other environment issues, the project brings scientific solutions - the use of Green energy that nature provides, with zero pollution and no waste, using the available natural and clean energy resources such as the sunlight, wind, water, waves, geothermal energy, steam and bio-energy to generate power.

Our preliminary survey in partner schools shows pupils have 80% low knowledge of green energy and need to study it.

Objectives of the project: 1. improving students' knowledge, scientific and practical skills related to natural energy and environment 2. making science learning more attractive 3. promoting inclusion by offering equal opportunities of learning to students from different social backgrounds.

The project aims to teach young generations about green energy, starting with a target group of 600 pupils from 6 countries, 11-15 years old. Target group can be later expanded to other age groups, increasing the number of direct beneficiaries from partner schools.

Target group of indirect beneficiaries starts from 1000 people as random international audience, expanding it to other countries outside the partnership.

Activities:

- Studying production of fuel, hardboard, natural glue from agricultural waste.
- Making presentations about natural /green energy: sunlight, water, waves, wind, hydroelectric, geothermal and bio-energy as renewable energy sources
- Studying the use of each energy source in their city. Analysis of natural energy use in the region. Students investigate local situation regarding energy use.
- Studying pollution in the regions, cities and sources of local pollution.
- Studying dangers to the environment and eco-system (extinct or endangered species, poisonous fertilizers, chemical pollution in food, plastic waste in nature), how to clean the water of the seas and oceans.
- Making a blueprint of the ecological home for the green city of the future with green transport and natural energy. What does the future planet look like?
- Statistics: how much natural energy is used in their community (homes with solar panels, wind generators etc)

Comparison between regions/countries.

- Creative writings: compositions about the future world using natural energy without pollution.
- Making posters, drawings about a better future of the world without pollution.
- Visits of documentation to power plants or hydroelectric companies that use natural energy in the regions
- Workshops about carbon footprint, ecological footprint and water footprint. Calculating each footprint.
- Outdoor activities sanitizing the environment, promoting eco-friendly attitude and responsibility to the environment.
- Workshop about soil pollution, consequences of chemicals in agriculture. Make a simple natural compost in bottle from wastes of fruit, vegetable, tea.
- Workshop about causes of water pollution and recycling. Making a simple water filter.
- Workshop about acid rains and ozone depletion. Causes, consequences, prevention.
- Workshop about international agreements about the environment and climate change effects.
- Importance of recycling. Waste battery campaign.

Methodology: workshops, studies, group activities, practical activities, scientific research, analyses.

Results / Outputs:

- Innovative result: Guide for Green Energy, manual for natural, ecological and renewable energy for the future. By this book the project aims to make information available to the world, expanding the target group to as many as possible other beneficiaries and generations.

The Guide for Natural Energy contains theoretical information and guidelines for practical lessons and activities about natural resources of energy and how to use them.

- Project magazine, with scientific articles and studies written by teachers and students, related to the environment issues and solutions.
- Posters, drawings, essays.
- Practical engineering results - machines that use natural green energy, power generators built by pupils with the guidance of teachers:
  - a wind generator
  - a sunlight generator
  - a steam turbine(geothermal)
  - a hydropower generator
  - a wave generator

Outcomes: improved STEM interest and skills, improved knowledge and awareness of environment problems / solutions involving the use of green energy, increased enthusiasm for learning sciences, improved foreign language and ICT skills, better integration of disadvantaged pupils.

Impact on pupils: improved knowledge and use of green energy, increased interest for science and engineering, improved solidarity in solving environment issues, improved foreign language and ICT skills. Teachers: improved teaching skills. Schools: added European dimension, better quality and management.

Longterm benefits: better science knowledge for new generations, better mentality, improved responsibility to nature, a cleaner environment, better quality of life, better future for the planet, a better world.

Please provide a translation in English. This summary will be publicly available in case your project is awarded.

## Participating Organisations

### Applicant Organisation

Organisation ID	Legal Name	Country
E10175454	Scoala Profesionala Holboca	Romania

### Partner Organisations

Organisation ID	Legal Name	Country
E10100348	Osnovno uchiliste "Yordan Yovkov"	Bulgaria
E10078852	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU	Turkey
E10131553	1st HIGH SCHOOL OF KALAMPAKA	Greece
E10145833	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec	Croatia
E10207214	ISTITUTO COMPRENSIVO A. DE FILIS	Italy

## Budget Summary

This section summarises the budget you have requested and provides a breakdown per participating school. In case your project is approved, each of the participating schools will be offered a separate contract with their own budget.

Note on budget capping: According to the Programme Guide, the project budget for School Exchange Partnerships is limited to 16 500 EUR per school and per year of project duration (Special Needs Support and Exceptional Costs for Expensive Travel do not count for this cap). For your project, the current budget cap is 198,000 EUR. Please note that this cap applies to the partnership as a whole, while there is no limitation on how these funds can be divided between the schools participating in the project.

## Project Budget Summary

Budget items	Grant
Project Management and Implementation	42.000,00 EUR
Learning, Teaching Training Activities	113.984,00 EUR
<b>Total Grant</b>	<b>155.984,00 EUR</b>

## Learning, Teaching, Training Activities

Id	Activity Type	Travel Grant	Grant for Exceptional Costs for Expensive Travel	Individual Support Grant	Linguistic Support Grant	Grant
C1	Short-term joint staff training events	2.750,00 EUR	0,00 EUR	5.300,00 EUR	0,00 EUR	8.050,00 EUR
C2	Short-term exchanges of groups of pupils	8.525,00 EUR	0,00 EUR	15.946,00 EUR	0,00 EUR	24.471,00 EUR
C3	Short-term exchanges of groups of pupils	8.525,00 EUR	0,00 EUR	15.946,00 EUR	0,00 EUR	24.471,00 EUR
C4	Short-term exchanges of groups of pupils	8.525,00 EUR	0,00 EUR	15.946,00 EUR	0,00 EUR	24.471,00 EUR
C5	Short-term exchanges of groups of pupils	8.525,00 EUR	0,00 EUR	15.946,00 EUR	0,00 EUR	24.471,00 EUR
C6	Short-term joint staff training events	2.750,00 EUR	0,00 EUR	5.300,00 EUR	0,00 EUR	8.050,00 EUR
<b>Total Grant</b>		<b>39.600,00 EUR</b>	<b>0,00 EUR</b>	<b>74.384,00 EUR</b>	<b>0,00 EUR</b>	<b>113.984,00 EUR</b>

## Budget per Organisation

Organisation	Country of Organisation	Grant
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU	Turkey	29.366,00 EUR
Osnovno uchiliste "Yordan Yovkov"	Bulgaria	23.494,00 EUR
1st HIGH SCHOOL OF KALAMPAKA	Greece	23.494,00 EUR
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec	Croatia	26.642,00 EUR
Scoala Profesionala Holboca	Romania	29.494,00 EUR
ISTITUTO COMPRENSIVO A. DE FILIS	Italy	23.494,00 EUR

#### Budget details KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU - E10078852

Budget items	Grant
Project Management and Implementation	6.000,00 EUR
Learning, Teaching Training Activities	23.366,00 EUR
<b>Total Grant</b>	<b>29.366,00 EUR</b>

#### Budget details Osnovno uchiliste "Yordan Yovkov" - E10100348



Budget items	Grant
Project Management and Implementation	6.000,00 EUR
Learning, Teaching Training Activities	17.494,00 EUR
<b>Total Grant</b>	<b>23.494,00 EUR</b>

## Budget details 1st HIGH SCHOOL OF KALAMPAKA - E10131553

Budget items	Grant
Project Management and Implementation	6.000,00 EUR
Learning, Teaching Training Activities	17.494,00 EUR
<b>Total Grant</b>	<b>23.494,00 EUR</b>

## Budget details Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec - E10145833

Budget items	Grant
Project Management and Implementation	6.000,00 EUR
Learning, Teaching Training Activities	20.642,00 EUR
<b>Total Grant</b>	<b>26.642,00 EUR</b>

## Budget details Scoala Profesionala Holboca - E10175454

Budget items	Grant
Project Management and Implementation	12.000,00 EUR
Learning, Teaching Training Activities	17.494,00 EUR
<b>Total Grant</b>	<b>29.494,00 EUR</b>

## Budget details ISTITUTO COMPRENSIVO A. DE FILIS - E10207214

Budget items	Grant
Project Management and Implementation	6.000,00 EUR
Learning, Teaching Training Activities	17.494,00 EUR
<b>Total Grant</b>	<b>23.494,00 EUR</b>

## Timetable

Please list and describe all project activities and indicate an approximate timing when they will start. In particular, you should include project activities other than the Learning, Teaching, Training activities, for example: project management meetings, dissemination activities and other local activities and events in each school.

Note that Learning, Teaching and Training activities will be listed in this table automatically once you have created them in the dedicated section of the form: Learning Teaching Training

ID	Activity Type	Starting Period	Description
P1	Other Project Events	09-2020	<p>Project meeting in each partner school, with the management team, to decide and distribute internally the tasks and responsibilities of each member of the project team.</p> <p>The project meeting will happen locally in each partner school and will decide:</p> <ul style="list-style-type: none"> <li>- dissemination responsibilities</li> <li>- actions for project visibility in school, community and online for national and international audience,</li> <li>- distribution of tasks for the activities scheduled ahead,</li> <li>- steps for selection process for the students participant to mobilities</li> <li>- budget planning and necessary resources for project activities</li> <li>- necessary resources and distribution of tasks for working on project results</li> <li>- monitoring methods</li> <li>- schedule and methods for evaluation of impact</li> <li>- expected outcomes</li> </ul>
C1	Short-term joint staff training events	10-2020	Preliminary training for teachers
P4	Other Project Events	10-2020	<p>Other activities with students: local workshops in each partner school, spread across the entire period of 2 years of the project, starting October 2020 until June 2022.</p> <p>Activities will include: workshops, studies, presentations, exhibitions, scientific analyses, compositions.</p> <p>Studies about dangers to the environment and ecosystem (extinct or endangered species, poisonous fertilizers, chemical pollution in food, plastic waste in nature), how to clean the water of the seas and oceans.</p> <p>A blueprint of the ecological home, for the green city of the future (the ideal ecological home and city with green transport and natural energy).</p> <p>Analysis of natural energy use in the region.</p> <p>Statistics about how much natural energy is used in their community (homes with solar panels, wind generators etc)</p> <p>Creative writings: compositions about how the future world should be, using natural energy and erasing pollution.</p> <p>Posters, drawings about a better future of the world without pollution.</p>
C2	Short-term exchanges of groups of pupils	02-2021	Introduction about green energy, pollution of environment (air, water, land) and its causes

C3	Short-term exchanges of groups of pupils	06-2021	Renewable energy sources, Wind Energy, Wave Energy
P2	Other Project Events	06-2021	<p>Project meeting in each partner school, for local management and monitoring.</p> <p>The project meeting will happen in each partner school, locally, with the local project team and will decide:</p> <ul style="list-style-type: none"> <li>- degree of achievement of project objectives and results after the first year of implementation</li> <li>- evaluation of activities and outcomes</li> <li>- evaluation of partial impact on target group /direct beneficiaries after the first year of implementation</li> <li>- impact on the indirect target group</li> <li>- management of budget for the second year of implementation</li> <li>- proposals for improvements</li> </ul>
C4	Short-term exchanges of groups of pupils	11-2021	Solar energy, use of photovoltaic panels and reducing light pollution
C5	Short-term exchanges of groups of pupils	03-2022	Water energy, hydropower and how to reduce water pollution
C6	Short-term joint staff training events	07-2022	New methods of teaching science by the STEM modules of Guide for Green Energy
P3	Other Project Events	07-2022	<p>Project meeting in each partner school, for local monitoring and evaluation.</p> <p>The project meeting will happen in each partner school, locally, with the local project team and will decide:</p> <ul style="list-style-type: none"> <li>- degree of achievement of project objectives and results at the end of the project</li> <li>- evaluation of activities and outcomes</li> <li>- evaluation of impact on target group /direct beneficiaries after the second year of implementation</li> <li>- impact on the indirect target group</li> <li>- plans of dissemination of results</li> <li>- actions for future sustainability</li> </ul>

## Participating Organisations

### Applicant Organisation Details

Organisation ID	E10175454
Legal name	Scoala Profesionala Holboca
Legal name (National language)	Scoala Profesionala Holboca
National ID (if applicable)	17250885
Address	Strada Principala nr.36
Country	Romania
Postal Code	707250
City	Iasi
Website	<a href="http://www.scoalaholboca.scoli.edu.ro">www.scoalaholboca.scoli.edu.ro</a>
Email	<a href="mailto:project.together@yahoo.com">project.together@yahoo.com</a>
Telephone	+40232298274, +40232299882
Fax	+40232299882

## Profile

Type of Organisation	School/Institute/Educational centre – Vocational Training (secondary level)
Is the organisation a public body?	Yes
Is the organisation a non-profit?	Yes



## Legal Representative

Title	Mr
Gender	Male
First Name	Adrian
Family Name	Bratoi
Department	Management
Position	Principal
Email	a_bratoi@yahoo.com
Telephone	+40232299882
Preferred Contact	No
Same address as organisation	Yes
Address	Strada Principala nr.36
Country	Romania
Postal Code	707250
City	Iasi

## Contact Person

Title	Mr
Gender	Male
First Name	Chrys
Family Name	Vrajitoru
Department	Staff
Position	English teacher
Email	project.together@yahoo.com
Telephone	+40758878654
Preferred Contact	Yes
Same address as organisation	Yes
Address	Strada Principala nr.36
Country	Romania
Postal Code	707250
City	Iasi

## Background And Experience

Please briefly present the school and include the following information:

- General information (e.g. the covered programmes/levels of education, number of staff and learners in the school)
- What is the school's motivation to join this project?
- Who will be the key people in charge of running the project in your school? In case these persons leave their post in the future, who will take over their role?
- Is there any specific experience or expertise that this school and its staff can contribute to the project?

Scoala Profesionala Holboca is a rural professional school, training car mechanics. We have all levels of teaching: kindergarten, primary, secondary / gymnasium and professional / vocational level. There are 600 pupils in our school and 50 staff members: teachers, engineers and administrative staff. We have 5 buildings in 5 different villages in the region.

Holboca School is in a village near Iasi, a city considered the most polluted city in Romania in 2019, according to a national study that analyzed 3000 towns. Our school proved a persistent and constant preoccupation with the environment, along many years. We have experience in activities and studies related to the environment. We implemented several projects that included pro-ecological activities and studies concerning the environment and pollution.

Needs analysis for students was done: we applied a questionnaire to our pupils, target group age 11-14. Results show 80% low knowledge about green energy and 85% high interest for learning science through practical activities. There is a need to learn science by practical activities.

This project answers their needs: it will provide opportunity to upgrade science and STEM skills, improve knowledge and mentality about green energy and the environment, will also improve English skills and European sense of belonging to a multicultural world.

Our motivation to do this project is based on student needs for non formal learning and personal development by the opportunity of international cooperation and mobilities. The school and staff can benefit from this European partnership by upgrading to higher quality education.

The key people involved in the project are experienced teachers:

- the English teacher, project coordinator and contact person for Romanian school, Chrys Vrajitoru, has experience in coordinating projects since 2008: 2 Comenius projects (2008-2010, 2013-2015), 2 Erasmus+ Ka2 projects (2015-2017, 2017-2019), 1 Global Classroom project with U.S.A. (2019-2020), 10 e-Twinning projects with many countries and many local, regional activities with pupils exploring the environment and studying nature. The English teacher is a key person for communication and guidance in the project plan, managing the team work. In case of absence, he may be replaced by the other English teacher in school.

- the teacher of Physics and Chemistry has many years of experience and first degree as teacher. She encourages pupils to build layout models of functional devices that simulate real life: in 2019 pupils built a small greenhouse model. We rely on her expertise to build the practical scientific devices we planned. In case of leaving, she can be replaced by the other Science teacher in school.

- the school management, school principal and vice-headmistress have experience in managing international projects: Comenius 2013 and 2 Erasmus+ Ka2 projects, and many regional and national projects that involve cooperation with other institutions and local authorities.

Does this school have a valid eTwinning school label?

No

Various labels exist for successful eTwinning projects and schools. Before answering this question, please make sure that you are familiar with the concept of the eTwinning school label. You can find more information about the eTwinning school label here: <https://www.etwinning.net/en/pub/recognition/etwinning-school-labels.htm>

Has the organisation participated in a European Union granted project in the 3 years preceding this application?

Yes

Please indicate.

EU Programme	Year	Project Identification or Contract Number	Applicant/Beneficiary Name
Erasmus+ Ka219, 2017-2019	2017	2017-1-RO01-KA219-037102_1	Scoala Profesionala Holboca

## Partner Organisation details

Organisation ID	E10100348
Legal name	Osnovno uchiliste "Yordan Yovkov"
Legal name (National language)	Основно училище "Йордан Йовков"
National ID (if applicable)	000082129
Address	ul."Ekaterina Simitchieva"8
Country	Bulgaria
Postal Code	-
City	Varna
Website	jovkov.com
Telephone	+35952640090, +35952640109
Fax	+35952640090

## Profile

Type of Organisation

School/Institute/Educational centre – General education  
(secondary level)

Is the organisation a public body?

Yes

Is the organisation a non-profit?

Yes

## Legal Representative

Title	Mrs
Gender	Female
First Name	Petranka
Family Name	Zahos
Department	Management
Position	Headmistress
Email	yovkov_school_varna@abv.bg
Telephone	+35952640086
Preferred Contact	No
Same address as organisation	Yes
Address	ul."Ekaterina Simitchieva"8
Country	Bulgaria
Postal Code	-
City	Varna

## Contact Person

Title	Mrs
Gender	Female
First Name	Zhulieta
Family Name	Mihaylova
Department	Staff
Position	English teacher
Email	jjulieta@abv.bg
Telephone	+359885078992
Preferred Contact	Yes
Same address as organisation	Yes
Address	ul."Ekaterina Simitchieva"8
Country	Bulgaria
Postal Code	-
City	Varna



## Background And Experience

Please briefly present the school and include the following information:

- General information (e.g. the covered programmes/levels of education, number of staff and learners in the school)
- What is the school's motivation to join this project?
- Who will be the key people in charge of running the project in your school? In case these persons leave their post in the future, who will take over their role?
- Is there any specific experience or expertise that this school and its staff can contribute to the project?

Yordan Yovkov Primary School is a public school of secondary level of education in Varna, Bulgaria. The school occupies its own building with many facilities such as ICT, science, art and language labs. 560 students aged between 6-14 study at school. 16 of them are with special educational needs. There are students of different nationalities, religions and national minorities. The number of teaching staff is 42. According to the curriculum of Bulgarian Educational system teaching at school focuses on eight main subjects: Bulgarian language and literature, foreign languages, mathematics, information technologies, social sciences and civics, natural sciences and ecology, music and art, physical education and sports.

We want to join this project to help our students to become aware of helping environment by using natural energy, to motivate them to find solutions and to take proper action in saving the planet. Our students face difficulties in studying natural studies and ecology. According to school surveys more than 65% of 5th-7th graders describe science as boring and complicated. Because of the limitation of experimental lessons, most of our students lack basic practical knowledge. Achievement test results show 36% of our students have real problems in understanding a scientific text. They cannot realize their environmental footprint and interdependence between nature, healthy lifestyle, ecological problems in Europe and the world.

SWOT analysis: S -experienced staff, innovative ideas. W- lack of funding, equipment, time. O - learning, exchanging ideas, developing skills, international cooperation, environment friendly. T- traditional views towards energy generators, old standards, facing obstacles.

Taking part in this project will have many benefits both for students and teachers. Students will be able to understand the importance of solving environmental problems. It will increase their critical thinking and creativity in saving energy and nature. Teachers will be able to broaden their teaching methods by out-of-school observations, STEM activities and practical exercises. Project activities will provide opportunity to engage students with special needs in constructing generators according to their abilities and in arranging exhibition of project drawings and posters. Working on project activities will raise students` foreign language and ICT skills and know the variety of European culture.

The project team includes: headmistress, English teachers, science teachers, the chairman of the parents` community and many teachers willing to work on the topic. All the members of the project team are experienced in the area of the project and foreign languages. The project team will be responsible for planning the activities, communicating, organizing events, sharing the tasks and following duties.

In case of any unplanned leaving of teachers, it won`t be a problem to carry out the project because other teachers will take over their roles.

Does this school have a valid eTwinning school label?

No

Various labels exist for successful eTwinning projects and schools. Before answering this question, please make sure that you are familiar with the concept of the eTwinning school label. You can find more information about the eTwinning school label here: <https://www.etwinning.net/en/pub/recognition/etwinning-school-labels.htm>

Has the organisation participated in a European Union granted project in the 3 years preceding this application?

Yes

Please indicate:

EU Programme	Year	Project Identification or Contract Number	Applicant/Beneficiary Name
Erasmus+	2019	2019-1-BG01-KA229-062403_4	Yordan Yovkov Primary School
Erasmus+	2017	2017-1-EE01-KA219-034916_2	Yordan Yovkov Primary School
Erasmus+	2017	2019-1-BG01-KA229-062403_4	Yordan Yovkov Primary School

## Partner Organisation details

Organisation ID	E10078852
Legal name	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU
Legal name (National language)	
National ID (if applicable)	709251
Address	MIHLI MAHALLESİ, TURGUT ÖZAL CADDESİ,NO:13
Country	Turkey
Postal Code	17980
City	KÜÇÜKKUYU/AYVACIK
Website	<a href="http://www.mebk12.meb.gov.tr/meb_iys_dosyalar/17/02/709251/?CHK=0155bc3d83f0af4917d76c088277b808.tr">www.mebk12.meb.gov.tr/meb_iys_dosyalar/17/02/709251/?CHK=0155bc3d83f0af4917d76c088277b808.tr</a>
Telephone	+905448813432, +902867521400
Fax	+902867521400

## Profile

Type of Organisation	School/Institute/Educational centre – General education (secondary level)
Is the organisation a public body?	Yes
Is the organisation a non-profit?	Yes

## Legal Representative

Title	Mr
Gender	Male
First Name	Emin
Family Name	Çiğilli
Department	Management
Position	Principal
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Telephone	+905057069908
Preferred Contact	No
Same address as organisation	Yes
Address	MIHLI MAHALLESİ, TURGUT ÖZAL CADDESİ,NO:13
Country	Turkey
Postal Code	17980
City	KÜÇÜKKUYU/AYVACIK

## Contact Person

Title	Mrs
Gender	Female
First Name	Candan
Family Name	Kafalı
Department	Staff
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Telephone	+905448813432
Preferred Contact	Yes
Same address as organisation	Yes
Address	MIHLI MAHALLESİ, TURGUT ÖZAL CADDESİ,NO:13
Country	Turkey
Postal Code	17980
City	KÜÇÜKKUYU/AYVACIK

## Background And Experience

Please briefly present the school and include the following information:

- General information (e.g. the covered programmes/levels of education, number of staff and learners in the school)
- What is the school's motivation to join this project?
- Who will be the key people in charge of running the project in your school? In case these persons leave their post in the future, who will take over their role?
- Is there any specific experience or expertise that this school and its staff can contribute to the project?

Küçükkuyu Fernur Sözen Ortaokulu has an average number of 400 students and 30 teachers.

The subjects taught in school relate to the topic of the project, including sciences and outdoor activities of studying the environment.

As a result of the survey we applied on the our students, 23% of students do not know what renewable energy sources are. 29% of the students know one renewable energy source. 25% of the students know that there are two, and 23% of the students know that there are three sources of renewable energy. 55% of our students do not know if there are any machines in their region that use natural energy. As it is understood from these results, our students do not know exactly what renewable and non-polluting energy sources are. They are also unaware of renewable energy sources in their region.

Through this project, we aim for our students to recognize renewable energy sources, to realize the resources in their regions and other countries and to make creative designs for the use of renewable energy sources.

With this new project we aim:

- To make our students aware of the importance of a clean environment and renewable energy sources for sustainable future
- To enable students to realize and compare natural energy sources in their region and other countries.
- To provide students with skills such as making scientific researches, analyzing the results and critical thinking about the use of renewable and non-renewable energy sources in electricity generation.
- To enable students to make innovative designs for the use of renewable energy sources and
- To developing students' creativity through interdisciplinary STEM activities in their design.
- To ensure that our school administrators, teachers and other personnel gain skills in cooperation and develop curricula with other colleagues in Europe.
- To cooperate and exchange methods with schools in Europe
- To improve the language skills of our students
- To learn about different cultures

Our teachers have attended many national and international conferences and courses related to green energy, climate change, recycling and clean environment. Our school's science teachers have many certifications and expertise on carbon footprint, water in Earth, make compost, particle physics, STEM and 21st century skills. The science teacher Candan Kafali, involved in the planning of this new project, is also the contact person for Turkish school and has important professional experience relevant for the project:

- she prepared an online scientific course on the MOOC in collaboration with European Schoolnet,
- participated in Polaris Science Cup competition with Turkish students in Prague,
- participated to teacher workshop in CERN laboratory,
- participated to Space Camp in U.S.A
- participated to European Geoscience Union General Assembly with a poster presentation in Vienna,
- participated national STEM & Maker Fast.

In case of leaving, teachers will be replaced by other teachers in school.

Does this school have a valid eTwinning school label?

No

Various labels exist for successful eTwinning projects and schools. Before answering this question, please make sure that you are familiar with the concept of the eTwinning school label. You can find more information about the eTwinning school label here: <https://www.etwinning.net/en/pub/recognition/etwinning-school-labels.htm>



has the organisation participated in a European Union granted project in the 3 years preceding this application?

Yes

Please indicate:

EU Programme	Year	Project Identification or Contract Number	Applicant/Beneficiary Name
Erasmus+	2017	2017-1-RO01-KA219-037102_7	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU



## Partner Organisation details

Organisation ID	E10131553
Legal name	1st HIGH SCHOOL OF KALAMPAKA
Legal name (National language)	1ο ΓΥΜΝΑΣΙΟ ΚΑΛΑΜΠΑΚΑΣ
National ID (if applicable)	not applicable
Address	DIMOULA 8
Country	Greece
Postal Code	42200
City	KALAMPAKA
Website	1gymkalamp.wordpress.com
Telephone	+302432023220, +302432079066
Fax	+302432023220

## Profile

Type of Organisation

School/Institute/Educational centre – General education  
(secondary level)

Is the organisation a public body?

Yes

Is the organisation a non-profit?

Yes

## Legal Representative

Title	Mr
Gender	Male
First Name	Vasileios
Family Name	Pappas
Department	Management
Position	Principal
Email	mail@1gym-kalamp.tri.sch.gr
Telephone	+302432023220
Preferred Contact	No
Same address as organisation	Yes
Address	DIMOULA 8
Country	Greece
Postal Code	42200
City	KALAMPAKA

## Contact Person

Title	Ms
Gender	Female
First Name	Georgia
Family Name	Kourakou
Department	Staff
Position	English teacher
Email	georgia.kourakou@gmail.com
Telephone	+306942212675
Preferred Contact	Yes
Same address as organisation	Yes
Address	DIMOULA 8
Country	Greece
Postal Code	42200
City	KALAMPAKA

## Background And Experience

Please briefly present the school and include the following information:

- General information (e.g. the covered programmes/levels of education, number of staff and learners in the school)
- What is the school's motivation to join this project?
- Who will be the key people in charge of running the project in your school? In case these persons leave their post in the future, who will take over their role?
- Is there any specific experience or expertise that this school and its staff can contribute to the project?

The 1st High School of Kalampaka is one of the two secondary schools in the area. 220 students aged 13-15 attend it and are taught various subjects as part of the compulsory curriculum. Emphasis is placed on ICT, Science, Foreign Languages, Maths, Greek and the development of social skills, active citizenship, initiative and cultural knowledge. Ss with learning difficulties are integrated and are taught by specialized Ts working with the regular teacher in the class. There are 35 Ts many of whom hold a Master's degree, speak at least 1 foreign language fluently and are computer literate as ICT is a vital part of the teaching process. Knowing the importance of learner involvement in school projects, they organise environmental, cultural, health education and professional guidance programs and support innovative actions.

Living in the rural area of Kalampaka plain and the mountainous area in the north-west of the town, most Ss come from a deprived background and are given few opportunities for a broad education. Yet, they exhibit an interest in Science considering how many participate in national Science competitions and environmental campaigns. This project will raise their awareness on green energy and enhance their social and mental competences and academic skills.

The school has various partners such as the National Sciences Institute, the Municipality, the local Library, the Greek Education Museum, the Center for Students with learning difficulties, the Prefecture of Trikala and other organisations whose help is necessary to implement projects.

The key people of the project are Georgia Kourakou (coordinator-English teacher), Vasileios Pappas (Headmaster-Science teacher), Leonidas Leventis (ICT teacher) and Kostas Papagiannopoulos (German teacher). Other teachers will take part and, as this is not the first European project of the school (Leonardo da Vinci, 2008; COMENIUS Multilateral School Partnerships, 2013-2015; COMENIUS Regio, 2013-2015; Erasmus+ KA1, 2015-2016; 2016-2017; Erasmus+ KA229, 2018-2020), they can take over if need be. Those involved have experience in designing, organising, implementing and disseminating European projects giving the school a European dimension while paving the way for more future projects and supporting international networking. They always share their European experiences with other members of the educational community motivating them to participate as well. They have conducted STEM projects and are experienced in environmental activities of ecological orientation aiming to promote STEM education and improve science lessons to increase their Ss' interest.

They will cooperate to solve any problems arising, help with the schedule, the collection of the material and the selection of strategies, facilitate the program implementation, the exchange and presentation of the material, the distribution of tasks, the evaluation and the dissemination of the results and create strong bonds among the partner schools.

Does this school have a valid eTwinning school label?

No

Various labels exist for successful eTwinning projects and schools. Before answering this question, please make sure that you are familiar with the concept of the eTwinning school label. You can find more information about the eTwinning school label here: <https://www.etwinning.net/en/pub/recognition/etwinning-school-labels.htm>

Has the organisation participated in a European Union granted project in the 3 years preceding this application?

Yes

Please indicate:

EU Programme	Year	Project Identification or Contract Number	Applicant/Beneficiary Name
Erasmus+ Ka229	2018	2018-1-ES01-KA229-050002_5	1st HIGH SCHOOL OF KALAMPAKA
Erasmus+Ka229	2018	2018-1-PL01-KA229-050641_4	1st HIGH SCHOOL OF KALAMPAKA

## Partner Organisation details

Organisation ID	E10145833
Legal name	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec
Legal name (National language)	Osnovna škola Ivana Kukuljevića Sakcinskog
National ID (if applicable)	0013797
Address	Ak. Ladislava Šabana 17
Country	Croatia
Postal Code	42240
City	Ivanec
Website	<a href="http://os-iksakcinskog-ivanec.skole.hr">http://os-iksakcinskog-ivanec.skole.hr</a>
Email	os-ivanec@os-iksakcinskog-ivanec.skole.hr
Telephone	+38542781330
Fax	+38542781440

## Profile

Type of Organisation	School/Institute/Educational centre – General education (secondary level)
Is the organisation a public body?	Yes
Is the organisation a non-profit?	Yes



## Legal Representative

Title	Mr
Gender	Male
First Name	Jagić
Family Name	Damir
Department	Management
Position	Principal
Email	damir.jagic1@skole.hr
Telephone	+38542781330
Preferred Contact	No
Same address as organisation	Yes
Address	Ak. Ladislava Šabana 17
Country	Croatia
Postal Code	42240
City	Ivanec

## Contact Person

Gender	Female
First Name	Suzana
Family Name	Jagić
Department	Staff
Position	History and Geography teacher
Email	jagicsuzana@gmail.com
Telephone	+38542781330
Preferred Contact	Yes
Same address as organisation	Yes
Address	Ak. Ladislava Šabana 17
Country	Croatia
Postal Code	42240
City	Ivanec

## Background And Experience

Please briefly present the school and include the following information:

- General information (e.g. the covered programmes/levels of education, number of staff and learners in the school)
- What is the school's motivation to join this project?
- Who will be the key people in charge of running the project in your school? In case these persons leave their post in the future, who will take over their role?
- Is there any specific experience or expertise that this school and its staff can contribute to the project?

We are Primary school from Ivanec, The Republic of Croatia. There are 804 pupils and 62 teachers in our school. Ivanec is our central school, and we also have three district schools: Salinovec, Prigorec and Kuljevića. As the subjects are considered, we are trying to give the same importance to all school subjects, especially languages. Pupils begin to learn English language from the first grade, every second generation altering with German, while the others are offered English as an elective course. We encourage our pupils to embrace both English and German language from the early age in order to develop their foreign language skills and become confident and experienced speakers with the help and guidance of our experienced teachers. Our school focuses great deal on the specific areas such as Geography, Biology, History and cultural heritage. We are trying to provide to our children as many extra activities (workshops, field trips, scientific markets etc.) with the goal of approaching the subjects, their true meaning and practice in real life.

We want to join this project to offer the pupils opportunity to develop their STEM skills, their interest in sciences, their knowledge of environment and green energy, their awareness of multicultural community. We wish our school to gain experience in European Erasmus+ projects.

We analyzed the needs of our students in a survey related to green energy. Our students have 87% interest in science and green energy, according to the survey. They also have 95% low knowledge of renewable green energy, therefore this project is suitable for their needs.

Our school is extremely environmentally conscious, so every year we are involved in the so-called Word Cleanup Day, part of the global "Let's do it" movement which gathers more than 150 countries around with the same goal: to clean up as much as illegal waste they can in one day. Ecology is not only important in our school, but also in our city. The city of Ivanec carried out the European Union's project of waste sorting. The project was designed and realised by a local cultural association. The play about the proper classification of waste and the importance of preserving nature and the environment were also presented in our school, and the students showed great interest and knowledge of it. Furthermore, one of the most important and long-standing projects in our school is the project "Plastic plugs to expensive drugs" in which we collect plastic plugs that are then recycled, while the money from it is spent on the purchase of expensive drugs intended for those who have leukemia. As for some other domains of our work, we put a vast emphasis on tolerance, solidarity and acceptance of diversity, as we are school with zero tolerance to violence. The school has the eTwinning school mark and has been awarded the e-Security label.

Our teachers have digital competences, foreign language skills, creativity, team spirit.

Does this school have a valid eTwinning school label?

Yes

Various labels exist for successful eTwinning projects and schools. Before answering this question, please make sure that you are familiar with the concept of the eTwinning school label. You can find more information about the eTwinning school label here: <https://www.etwinning.net/en/pub/recognition/etwinning-school-labels.htm>

Please specify the school's eTwinning ID number. The eTwinning ID can be found in the school's eTwinning profile under the 'About' tab. Please note that only teachers linked to the school will be able to see this information.

66784

Has the organisation participated in a European Union granted project in the 3 years preceding this application?

No



## Partner Organisation details

Organisation ID	E10207214
Legal name	ISTITUTO COMPRENSIVO A. DE FILIS
Legal name (National language)	ISTITUTO COMPRENSIVO A. DE FILIS
National ID (if applicable)	not applicable
Address	VIA ROBERTO ANTIOCHIA 4
Country	Italy
Postal Code	05100
City	TERNI
Website	<a href="http://www.defilisterni.it">www.defilisterni.it</a>
Email	Tric811001@istruzione.it
Telephone	+390744406180, +390744425590
Fax	+39074458285

## Profile

Type of Organisation	School/Institute/Educational centre – General education (secondary level)
Is the organisation a public body?	Yes
Is the organisation a non-profit?	Yes

## Legal Representative

Gender	Female
First Name	Marina
Family Name	Marini
Position	Principal
Email	Tric811001@istruzione.it
Telephone	+390744406180
Preferred Contact	No
Same address as organisation	Yes
Address	VIA ROBERTO ANTIOCHIA 4
Country	Italy
Postal Code	05100
City	TERNI

## Contact Person

Gender	Female
First Name	Stefania
Family Name	De Nardo
Department	Italian Language
Position	Vice Principal
Email	europject.defilis@gmail.com
Telephone	+390074440618
Preferred Contact	Yes
Same address as organisation	Yes
Address	VIA ROBERTO ANTIOCHIA 4
Country	Italy
Postal Code	05100
City	TERNI



## Background And Experience

Please briefly present the school and include the following information:

- General information (e.g. the covered programmes/levels of education, number of staff and learners in the school)
- What is the school's motivation to join this project?
- Who will be the key people in charge of running the project in your school? In case these persons leave their post in the future, who will take over their role?
- Is there any specific experience or expertise that this school and its staff can contribute to the project?

The school A. De Filis is a comprehensive school – it has an infant school, a primary school and a lower secondary school. The students are about 800. There are two main buildings: one is near the central station the other one is not that far from the other and it is situated in a central part of the town. As these areas of the town are very popular, there is a big concentration of foreign students. Our school curriculum is based on European skills, competences, the citizenship skills and music. In addition, our school has many different projects relating to Information, Technology and Communication, foreign languages certification (the school is a Cambridge Center), the web radio project. In the main building there are two computer labs and a creative atelier. In the second building there is a computer lab. The school became “Scuola 2.0” in the year 2013 and this characteristic is a relevant part of our training offer since that year. In addition, the school hosts different thematic training courses for teachers at national level.

The Institute welcomes students with a very different background, social and cultural, coming from both central and suburban areas.

The presence of pupils with Special Educational Needs represent a strength and a great resource for the school, which makes use of diversity as an enrichment of the educational offer.

We would like to be involved in an Erasmus + project because we never participated to a European Project yet. The teaching community is ready to face this kind of challenge. All the people involved developed cooperative and social skills so that they look forward to working in a European team.

We have specific addresses included in our learning offer, of value for the project:

- The Archimede.Lab Address provides for the strengthening of the logical-mathematical, technological and linguistic area of the students, investing in expanding the training offer in two laboratory hours with specific links to mathematics related to its use in everyday life and with in-depth linguistic connection with computer science
- The Prism@2.0, invests in the experience of the CI@ssi2.0 with information technology laboratories dedicated to familiarizing the student with digital processes and with current devices and programs, and the production of multimedia material, maintaining the laboratories dedicated to strengthening the linguistic-expressive and logical computer area.

The key staff is a project team:

Stefania De Nardo, coordinator for the internationalization of the Institute.

- She demonstrated excellent organizational and didactic capability.
- She is in charge of the multicultural activities of our school.

Our Head of administrative staff will manage the budget and administration of the project, while the Deputy Headmistress will replace the Headmistress in her absence.

- Our science teachers will guide the scientific activities, replacing each other if necessary.

Our school can add value to the project.

Does this school have a valid eTwinning school label?

No

Various labels exist for successful eTwinning projects and schools. Before answering this question, please make sure that you are familiar with the concept of the eTwinning school label. You can find more information about the eTwinning school label here: <https://www.etwinning.net/en/pub/recognition/etwinning-school-labels.htm>

Has the organisation participated in a European Union granted project in the 3 years preceding this application?

No



## Project Description

### Priorities and Topics

Please select the most relevant horizontal or sectoral priority according to the objectives of your project.

HORIZONTAL: Environmental and climate goals

If relevant, please select up to two additional priorities according to the objectives of your project.

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

HORIZONTAL: Social inclusion

Please select up to three topics addressed by your project

Environment and climate change

Natural sciences

ICT - new technologies - digital competences

### Description

Please describe the motivation for your project and explain why it should be funded.

- Green Energy Saves the Earth is a project much needed for new generations, that offers a sustainable result for the future of the planet and development of education and mentality: a Guide for Green Energy, a science manual with theoretical and practical information accessibly designed for teachers and students worldwide.

-In the context of climate change and pollution we identified the need for using green renewable energy that doesn't produce toxic emanations that damage the atmosphere and climate. Pupils are unaware of the consequences of pollution and the solutions regarding green energy that are available to humanity. They need to learn how to save the environment and also develop scientific interests and skills.

- Analysis of pupils' needs was done in a survey in our 6 schools. Results of survey per partnership: over 80% low knowledge of green energy and over 90% high interest to learn about green energy by practical activities.

-We propose an innovative project that aims to improve STEM education in our schools, promoting the mentality to save the environment by focusing on green energy. We want to print a Guide for Green Energy that will be used as manual of teaching scientific content relating to ecological natural energy, through attractive practical activities.

-The target group is pupils age 11 - 15, because at this age the pupils learn the most and are influenced in their growing/ brain development by the information and practice they are offered. Teenagers and pre-teens are the children who are old enough to understand, and young enough to be influenced in their mentality, at the time when their mind and personality develops.

- SWOT analysis of the students' needs was done within the partnership, based on the survey results:

Strengths: experienced staff in the field of environmental issues, innovative ideas for green energy production, students wish to be involved in environmental activities

Weaknesses: lack of funding, lack of equipment, shortage of time during lessons

Opportunities: learning, exchanging ideas, developing skills, joining an Erasmus+ project focusing on environment and science, joining an international team for developing environment and STEM skills

Threats: traditional views towards energy generators, changing standards, facing obstacles

Our cooperation is significant in expertise: we have science teachers that are experts in building power generators and innovative devices that use renewable energy. We have experience in ecological extracurricular activities.

Our request for funding stems from the need for effective and innovative methods to favor changes in education, enhance teacher competence, help the environment and add active involvement of families and local/international networks in school life.

We want to do this innovative project that offers solutions for the future, teaching pupils about green renewable energy, ecological houses, clear air and green towns.

What are the objectives you would like to achieve and concrete results you would like to produce? How are these objectives linked to the priorities you have selected?

Objectives: 1. improving students' awareness, scientific knowledge and practical skills related to natural energy and environment

2. making science learning more attractive through practical activities, promoting STEM education

3. promoting inclusion by offering equal opportunities of learning to students from different social backgrounds

Objectives are directly linked to the priorities: improving students' scientific knowledge of green energy and environment issues relates to environment and climate priority; making science learning more attractive increases the level of achievement in STEM; social inclusion is achieved by including in project activities students from disadvantaged areas.

Results of the project are SMART, scientific, innovative and practical:

- A Guide to Green Energy (theoretical information and guidelines for practical lessons and activities about natural resources of energy and how to use them)

- Machines designed by students, that can generate electricity from renewable sources models built by pupils guided by teachers:

a wind generator

a sunlight generator

a steam turbine(geothermal)

a hydropower generator

a wave generator

- Project website

- Scientific Magazine, a collection of articles and studies related to the environment, climate change and ecological future using renewable energies

- Scientific studies on pollution: Studies on production of fuel, hardboard, natural glue from agricultural waste.

Presentations about natural /green energy: sunlight, water, waves, wind, hydroelectric, geothermal and bio-energy as renewable energy sources

Studies about: use of each energy source in the city; pollution in the regions, cities and sources of local pollution; dangers to the environment and eco-system (extinct or endangered species, poisonous fertilizers, chemical pollution in food, plastic waste in nature), how to clean the water of the seas and oceans.

- A blueprint of the ecological home, for the green city of the future (the ideal ecological home and city with green transport and natural energy). What does the future planet look like?

- Analysis of natural energy use in the region. Students investigate how much of the city's electricity needs are from renewable sources and from non-renewable sources.

- Statistics: how much natural energy is used in their community. Comparison between regions/ countries.

- Creative writings: compositions, diaries about how the future world should be, with green energy and no pollution.

Posters, drawings about a better future of the world without pollution.

-Workshop about what are the causes of soil pollution? What are the consequences of the use of chemicals in agriculture? make a simple natural compost in bottle from wastes of fruit, vegetable, tea

- Workshop about causes of water pollution, Importance of water recycling and make a water filterThe Guide, together with project activities, will promote STEM education in partner schools and to target audience of indirect beneficiaries

How are the planned activities going to lead to achievement of the project's objectives ?

Activities will achieve project objectives as follows:

- Workshops, science studies, analyses of pollution, presentations of environment issues and solutions will improve students' knowledge and awareness of the environment and the best solutions for the future.
- Practical activities will make science learning more attractive and will upgrade students' results at school, for science lessons.
- Building power generators that use natural green energy will improve students' knowledge and STEM skills, increasing their confidence in understanding science and engineering
- Outdoor activities related to the environment and the visits to hydroelectric stations, mills and wind power generator sites will increase students' interest, curiosity, responsibility and connection to the environment, as well as interest for science and green energy.
- The international mobilities and communication with peers from other countries will improve foreign language skills and will ensure social inclusion of disadvantaged students, adding the certainty of belonging to the European community.
- Project activities that will include disadvantaged students will provide social inclusion for unfavored categories with reduced opportunities.
- The preliminary meeting for teachers will improve their professional experience and use of methodology.
- The practical activities will improve teachers' knowledge and methods in teaching STEM
- ICT activities will improve students' digital and technology skills
- Essays, drawings, posters, exhibitions about the future world will encourage students creativity and critical thinking, helping them consolidate an ecological mentality.

Activities will be distributed equally along 2 years. Every 2 months the partner schools will do a planned activity:

- September/October 2020 making presentations about natural green energy: sunlight, water, waves, wind, hydroelectric, geothermal and bio-energy as renewable energy sources
- November/December 2020 making presentations about pollution in the air, water, soil, increasing knowledge
- January/February 2021 exhibitions and poster drawings of green energy devices and solutions to reduce pollution, developing designing skills
- March/April 2021 scientific analysis and statistics of how much green energy is used in each partner region, increasing awareness
- May/ June 2021 outdoor activities increasing responsibility towards the environment
- September/October 2021 workshops about dangers of climate change and pollution, increasing scientific knowledge
- November / December 2021 creative writings about the future of the planet's environment, improving responsibility and critical thinking skills
- January/February 2022 building a power generator that uses green energy, practical activity increasing interest for science
- March/April 2022 designing a blueprint of the ideal ecological home and green city of the future
- May/June 2022 outdoor activities promoting eco-friendly attitude and responsibility

## eTwinning and Erasmus+ platforms

Have you used or do you plan to use eTwinning, School Education Gateway or the Erasmus+ Project Results Platform for preparation, implementation or follow-up of your project? If yes, please describe how.

We used eTwinning for initiating the project. We established contact with some of the schools on eTwinning platform.

We intend to use eTwinning as dissemination tool and online contact.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported.

Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its sustainability is achieved: the new beneficiaries may include the project's results into their own teaching activities. The activities that will help in the dissemination of the project must be planned at the very beginning of the project, and supplement during and after the project. For more effective dissemination and results' usage, a publication will be made. The project is going to be presented via presentation and workshops in schools, in local and national events etc. Different media are also going to be informed about the project. For the information about the course of the project, and the make of the results, activities, expectations, impressions, and experiences to be given, we need to make the PUBLICATIONS.

Specifically for the publications, we will use the school web site, the project blog, and the eTwinning portal. We have already initiated a project on the eTwinning portal (that is connected to our particular project). The project is called Green Energy Saves the Earth and it has been approved by the National Supporting Services. This project will encourage mutual exchange of the experiences and material through TwinSpace within Erasmus K229 project. The aim of the project is an exchange of a good praxis, encouraging our colleagues to a greater engagement on the eTwinning, and the inclusion in the Erasmus+ projects.

The results of the project are going to be visible on the TwinSpace through common pages and materials made by the usage of digital web 2.0 tools. By sharing the documents, using Chat and Forums, and eTwinning mail, a good communication between the project It is important to emphasize that in this way, the work is transparent, visible and we can include ourselves and our pupils into it immediately.

Furthermore, the eTwinning page is going to be used for the creation of the EVENTS on the eTwinning Live with the aim of spreading the results.

If your project proposal is building on previous or ongoing eTwinning project(s), please explain how you plan to achieve this. Please clearly identify the relevant eTwinning project(s) by including the project title and project ID. In addition to the information provided here, do not forget to provide further information about the eTwinning aspect of your proposal in all other relevant parts of the application form.

We started a preliminary eTwinning project: "Energies of the Universe" ID 215990, discussing the notion of energy in general and its manifestations in the universe, to familiarize the students with the concept of energy and a few notions of science and physics. We also wanted to create a perspective of a wider context, preparing the students' minds to understand better the energy on our planet, after learning a few things about the cosmic energies, from a scientific point of view.

We started this actual project "Green Energy Saves the Earth" ID 216081, that we intend to continue on eTwinning after the project receives Erasmus+ funding. We intend to use eTwinning for posting/sharing materials, creating events, disseminating results and updating information and making results available on TwinSpace.

Please keep in mind that experts will evaluate your application exclusively on the basis of the information provided in the application form. Therefore, when answering this question make sure to describe the eTwinning project(s) you plan to build on. Likewise, please be aware that independently of the experts' evaluation of the quality of your application, the National Agency may verify the provided information about your eTwinning project(s). In case the information is not correct, your application may be disqualified.

Please explain if and how you plan to create opportunities for the school(s) having the eTwinning school label to share best practices in eTwinning and to provide mentorship to other participating schools that are less experienced in using eTwinning

The Croatian school has eTwinning label and will provide information to the other partner schools how to make the most of the project using eTwinning as sharing materials, creating events, posting results and using it as dissemination platform. They will have administrative role on eTwinning and will help the other teams participate on the platform during project implementation and after the project, for dissemination.

## Participants

Please briefly describe who will take part in the project, including:

- Who are the different groups that will take part in the project activities (e.g. pupils, teachers, other school staff, parents, etc.)? Please also include information on local participants (those who will participate in project activities, but will not travel as part of the project).
- How are these groups going to participate?
- If pupils are involved in the project, please specify their age groups.



Note that specific details on selection of participants in Learning, teaching and training activities do not need to be repeated here if they are described in the dedicated section of the form: Learning Teaching Training

Participants to the project: 84 students will participate to mobilities and 600 pupils from gymnasium level including disadvantaged ones from 6 countries will be directly involved in project activities and workshops.

Target group of direct beneficiaries: pupils age 11 - 15, because at this age pupils learn the most and are most influenced in their growing and brain development by the information and practice they are offered. Teenagers and pre-teens are the children who are old enough to understand, and young enough to be influenced in their mentality, at the time when their mind and personality develops.

Approximately 60 teachers - science teachers, foreign language, geography and technology teachers will be involved in the planned activities, workshops or as supervisors in the preparation of tangible outputs before mobilities. After the exchanges, those participating in the mobilities will be responsible for the dissemination of tangible outputs and intelligible results to the rest of the teaching staff.

Participants will be selected according to criteria:

1. expressed desire to learn about the environment issues and solutions
2. interest for sciences
3. interest for multicultural dialogue through international cooperation
4. sufficient skills in foreign language
5. commitment and active involvement in previous extracurricular activities
6. parents consent for pupils

Pupils will be encouraged to participate and prepared for activities by the teachers from the project team.

Pupils will be provided information about the activities, will be helped to understand the basic requirements necessary for participation. Materials and tools will be acquired and provided to pupils. Science teachers will explain the activities step by step and guide the pupils.

Other people involved: administrative staff of schools, accountants, management of schools will work on the accounting and supervision of the project budget.

Parents will be invited to participate to parent-teacher meetings, lectures, practical workshops showing them parental involvement is valued and encouraging them to be more involved. Some families will play an important role hosting foreign students.

Local organizations, local/regional TV and newspapers will regularly be up to date with information about meetings and the project progress. Local authorities will be invited to welcome the international groups, participating to the multicultural dialogue.

Local education institutions will be informed about the project progress on our website so that other schools in the area can benefit from the experience.

Where possible, local tourist offices and museums will be involved helping host schools to describe the beauties and explain the value of the cultural, artistic and historical heritage of the region. Schools will call local specialist to share their expertise with students, teachers and families. These professional workshops will help to disseminate the project outside the school.

Participants with fewer opportunities: does your project involve participants facing situations that make their participation more difficult?

Yes

How many participants would fall into this category?

100

Which types of situations are these participants facing?

Economic obstacles

Educational difficulties

Disability

How will you support these participants so that they will fully engage in the planned activities?

Participants will be encouraged to be involved by being offered material and psychological support. They will be offered everything necessary to do the project activities (tools, materials) and will be counseled by the school psychologist, if their emotional state proves it necessary.

They will be included in group teams with other pupils, to integrate them equally and fairly in the team, to provide a sense of belonging, motivation and personal development.

Disadvantaged pupils will receive support (material, psychological) to be able to successfully do the activities equally as other pupils.

They will be treated fairly and with equity, promoting equality in school, solidarity, inclusion and team spirit.

The disadvantaged pupils will be involved in local project activities in school, but will also be encouraged to participate to mobilities, if parents agree.

In case the disadvantaged pupils meet the selection criteria for mobilities (especially the parents consent and wish to participate), they will also be given the opportunity to participate.

Some students face economic obstacles as the financial crisis has forced their families to get by on a low income or depend on the social welfare system. Others have limited social skills or come from broken families. A few have learning disabilities (eg. dyslexia), learning difficulties or poor school performance. A small number come from immigrant families of a differing cultural background thus facing cultural differences. The above groups are at risk of socio-economic marginalization. Therefore, we will facilitate their social inclusion step by step, we will:

- ensure transparent and fair selection procedures guaranteeing equal opportunities for all students while giving special priority to those with a disadvantage or social exclusion risk
- collaborate with our schools' internal pedagogical and psychological services, the students' tutors and integration assistants
- engage them in project contests to strengthen their strong points or talents
- involve them in various organizational activities
- equip them with the necessary materials for task implementation through seminars and workshops on the thematic areas so that they can take initiative and do the tasks
- promote their networking and communication helping them build transnational friendships, develop cultural tolerance
- provide training on ICT when needed
- organize extra language classes for groups of students with financial obstacles and language difficulties before the project so as to strengthen their linguistic competences
- be close to students and always available to make them feel comfortable and have a sense of support
- talk to the students' parents to give them an understanding of the project and its value for their children
- collaboratively work with our partners and discuss the individual medical support in the receiving countries before traveling in order to provide the best possible support for the students in need

## Management

### Funds for Project Management and Implementation

Funds for "Project Management and Implementation" are provided to all Strategic Partnerships based on the number of participating organisations and duration of the project. The purpose of these funds is to cover diverse expenses that any project may incur, such as planning, communication and project management meetings between partners, small scale project materials, virtual cooperation, local project activities, promotion, dissemination and other similar activities not covered by other types of funding.

Organisation role	Grant per organisation and per month	Number of organisations	Grant
Coordinator	500,00 EUR	1	12.000,00 EUR
Partner	250,00 EUR	5	30.000,00 EUR
<b>Total</b>		<b>6</b>	<b>42.000,00 EUR</b>

### Project Management and Implementation

Please describe the tasks and responsibilities of each partner school. Explain how you will ensure sound management of the project and good cooperation and communication between partners during project implementation.

- Romanian coordinator will provide leadership, will monitor progress and set deadlines for results. Tasks will be distributed equally: each partner school will have equal rights, duties, a role and a contribution to project results.
  - Turkish science teacher and engineering expert Candan Kafali will instruct the other science teachers from partner schools during the preliminary training meeting in Croatia, about the methodology of practical STEM activities of the project.
  - Romania and Turkey will also provide guidance for the second teacher training about science teaching methods. Each partner school will:
    - equally do scientific studies and presentations, workshops and outcomes
    - bring their scientific expertise and will contribute to the outcomes
    - offer scientific analyses and studies that will contribute to the final results of the project
    - do the planned local activities with a larger group in their school, according to schedule.
  - Learning activities will be distributed according to prior agreement.
  - Romania, Greece, Bulgaria and Turkey with experience in previous Erasmus+ will help the schools from Italy and Croatia, providing guidance to organize activities.
  - The budget will be managed by a team of management: the school principal, school accountant and responsible staff. In each partner school the budget will be managed by an initial plan calculating necessary expenses, a portfolio including financial documents, bank reports, payments and receipts.
  - Time will be managed by precise planning and constant communication and cooperation between project teams in partner schools.
- The project coordinator will keep track of the activities and planned results, communicating to the partners the terms of accomplishment, the dates and necessary tasks.
- Each contact person will have the responsibility of following the schedule with planned activities and results, communicating possible delays and situations. In case of delays, the activities will be re-scheduled in the shortest time possible, at a convenient date for the participants.
  - The Turkish partner will provide the scientific database for the power generators and practical approaches to building the devices.
  - Romanian school will coordinate the writing and publishing of the Guide for Green Energy and Project Magazine.
- 
- Communication will be polite, reasonable and honest at all times. Communication will be frequent, after each activity and before, during, after each mobility and anytime a school considers necessary. Means of communication: face to face dialogue, email, telephone, website, facebook page, eTwinning.
  - Conflicts will be avoided by direct and open communication, transparency, objective criteria and information available to everyone in each partner school. Conflicts within the partnership will be avoided by agreement prior to starting the project, assuming responsibilities and tasks, so that everyone will know the precise details of the project schedule and situations expected.

Please make sure to include all project management meetings, events and local activities of each school in the section: Timetable

How did you choose the project partners? Does your project involve schools that have never participated in a Strategic Partnership? If yes, please explain how more experienced schools can support less experienced partners during the project.

The partnership started from the shared idea between previous partners: Romania, Turkey and Bulgaria. We identified the need for a solution to the environment problems and we came up with ideas to make it happen. The schools from Greece, Italy and Croatia joined the partnership on e-Twinning, as they were looking for a project that would answer their environmental needs and search for pro-ecological activities. The Italian and Croatian school were never involved in a Strategic Partnership before and are very willing to offer this opportunity to their students.

The Romanian, Bulgarian, Turkish and Greek schools have significant previous experience with environmental and Erasmus+ projects and want to help the Italian and Croatian school gain experience and practice. That is why we decided to have the preliminary meeting in Croatia, to share with their school our experience and provide example of good practice.

The experienced schools from the partnership will share knowledge and database of documents, procedures, experience of situations and regulations with the inexperienced schools from Italy and Croatia. During the preliminary meeting the science teachers will share their knowledge and explain practical details for the implementation of activities. The 3 days conferences and training discussions will be evaluated by the science teacher from Turkey and will be certified by documents issued by the host school.

## Learning, Teaching, Training Activities

### List of Activities

Do you plan to include transnational learning, teaching or training activities in your project?  Yes

Please describe the practical arrangements for the planned Learning, Teaching and Training activities. How will you select, prepare and support the participants, and ensure their safety?

- The scheduled mobilities will be announced in each school, for students and teachers selection, from the beginning of the project implementation. Students and teachers who want to take part will express their interest and subscribe to the selection process. In case of competition, selection will be decided by tests and results at school and by the committee of selection. The committee of selection will be decided by the project management team so there will be no conflict of interests.
- Selection of participants will offering equal chance also to disadvantaged students and those at risk of exclusion.
- Participants will be selected according to the following criteria: 1.ability and willingness to travel 2.dedication, interest and commitment to project topic and objectives 3. basic skills in English language 4. decent civilized behavior, cooperation attitude and good communication with the project team 5.parents consent for students.
- The host school will provide to the other partner schools the detailed agenda and information about the planned learning activities, at least 2 weeks before the event. Letters of invitation will be provided 1 month before the event.
- Participants will be informed prior to the mobility (at least 2 weeks in advance) about the destination geographical/cultural details and conditions of traveling, health insurance, accommodation and learning activities including objectives, places, methodology and expected results. Students will be informed about their tasks and responsibilities during the mobility. The accompanying teachers will discuss with the parents and share information about the upcoming event.
- Families will be informed about the project mobilities in September 2020 and will be asked if they wish to host a foreign student and also express consent for the possibility of their children being selected for mobilities.
- Communication will be established between parents and accompanying teachers.
- Health insurance and safe traveling companies will be chosen for the best option to travel, considering security and safety of participants.
- Disadvantaged students who may need material support (travel documents, other expenses) will receive financial support from Management and implementation budget.
- Students who are not totally fluent and confident in English will receive guidance and linguistic help from the English teachers, before the mobility.
- To ensure the safety of the minors /underage pupils, there will be 2 accompanying teachers, in case of health risks or other problems with accompanying persons during traveling.
- Prior to meetings/mobilities, families will take part in lectures enabling parental involvement in the project and opening up the school into society.
- After each meeting/mobility, partners will report its strong/weak points for consideration.
- After the mobility, all students will be informed by their peers about their experiences abroad.

Please specify each of the planned learning, teaching and training activities in the table below.

ID	Activity Title	Leading Organisation	Activity Type	Starting Period	No. of Participants	No. of Accompanying Persons	Grant
C1	Preliminary training for teachers	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)	Short-term joint staff training events	10-2020	10	0	8.050,00 EUR
C2	Introduction about green energy, pollution of environment (air, water, land) and its causes	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)	Short-term exchanges of groups of pupils	02-2021	21	10	24.471,00 EUR
C3	Renewable energy sources, Wind Energy, Wave Energy	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)	Short-term exchanges of groups of pupils	06-2021	21	10	24.471,00 EUR
C4	Solar energy, use of photovoltaic panels and reducing light pollution	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)	Short-term exchanges of groups of pupils	11-2021	21	10	24.471,00 EUR
C5	Water energy, hydropower and how to reduce water pollution	Scoala Profesionala Holboca(E10175454, Romania)	Short-term exchanges of groups of pupils	03-2022	21	10	24.471,00 EUR
C6	New methods of teaching science by the STEM modules of Guide for Green Energy	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)	Short-term joint staff training events	07-2022	10	0	8.050,00 EUR
<b>Total</b>					<b>104</b>	<b>40</b>	<b>113.984,00 EUR</b>



## Activity Details (C1)

In this section, you are asked to provide details about this specific activity. The section consists of two parts: Activity Details and Groups of Participants.

In the first part (Activity Details) you are asked to provide information about the planned activity as a whole (e.g. its venue, duration, etc.), to define the activity's lead organisation, and to list the other participating organisations. The lead organisation is typically the one hosting the activity in its premises. In case you decide to organise the activity outside of the lead organisation's premises, you must respect the detailed rules provided in the Programme Guide and you need to provide an explanation for this choice as part of the activity description. The other participating organisations are all project partners who will send their participants to take part in the activity. Adding a partner organisation to the list of participating organisations will allow you to ask funding for their participants in the second part of this section.

In the second part (Groups of Participants) you are asked to provide some details about the participants who will take part in this activity. The main purpose of this section is to calculate the budget that the project will receive for the participants' travel, individual support and other expenses. The participants are organised in groups for easier calculation. Each group and its budget are linked to their sending organisation.

<b>Field</b>	SCHOOLS	<b>Activity Type</b>	Short-term joint staff training events
<b>Activity Title</b>	Preliminary training for teachers		
<b>Leading Organisation</b>	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)		
<b>Participating Organisations</b>			
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10145833, Turkey)			
Osnovno uchiliste "Yordan Yovkov"(E10145833, Bulgaria)			
Scoala Profesionala Holboca(E10145833, Romania)			
1st HIGH SCHOOL OF KALAMPAKA(E10145833, Greece)			
ISTITUTO COMPRENSIVO A. DE FILIS(E10145833, Italy)			
<b>Starting Period</b>	10-2020	<b>Duration(days)</b>	3
		<b>Country of Venue</b>	Croatia

**Description of the activity:**

- Describe the content, methodology and expected results of the activity.
- How is it going to be related to or integrated with the normal activities of the involved schools?

The preliminary meeting has the objective of training the teachers from all partner schools involved in the project for the scientific part of the methodology and content of the STEM education . The training activity will be hosted by the school in Croatia.

The science teacher and engineering expert from Turkey, Candan Kafali, will train a group of 17 teachers from all 6 partner countries (Romania, Bulgaria, Italy, Greece, Croatia, Turkey), informing them about the procedures, methodology and practical solutions to implement the project activities related to science workshops, scientific analyses, studies and building power generators. Other science teachers from partner countries can contribute with ideas and examples of good practice, by brainstorming discussions during feedback.

The training activities will consist of 3 days lectures, videos, presentations, theoretical and practical information.

Day 1: how to teach students about green energy and pollution, basic knowledge, methodology and necessary information about the scientific reality of natural and renewable energy resources; STEM education in modern society; suggestions of online sources of information

Day 2: practical methodology for science lessons: how to build power generators, examples of good practice, videos and presentations, lesson plans, discussions about practical activities; practical workshop exemplifying how to build a power generator;

Day 3: methods of evaluation in teaching STEM extracurricular activities; feedback discussions, questionnaires.

Participants will receive certificates from the training activity, to confirm their acquired knowledge.

The expected results of the activity:

- a list of step-by-step practical activities for STEM education for students
- improved knowledge of teaching green energy, awareness of methods and resources
- improved teaching skills for the participants
- improved ability to organize practical workshops and to guide students in practical science lessons
- better knowledge and ability to implement the project activities
- better motivation, confidence and engagement for project implementation

Training activities will be integrated in the usual schedule of the Croatian host school, without disturbing the classes.

The experience will be used for further improvement of education in partner schools, by better teaching skills of the participants.

Space and digital resources will be provided by the host school for the training activities.

**Does this activity combine physical mobility with virtual exchanges through eTwinning?**

Yes

**Please explain how this will be achieved and what the expected benefits are.**

The eTwinning virtual activities will imply dissemination of activities and results that took place during the first 5 days of the mobility. This dissemination will take place on the 6th or 7th day after the mobility.

The eTwinning platform will be used for the benefit of participants, as consolidation of acquired skills, feedback from activities, disseminating results / uploading materials and photos, communicating impressions, sharing experience.

The eTwinning platform will also be used for communication before, during and after the mobilities.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported. Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its very sustainability is achieved (the new beneficiaries may include the project's results into their own teaching activities).

Benefits:

- better quality teaching skills for teachers participants
- better cooperation and communication within the project
- better knowledge of methods of teaching science lessons
- better experience and consolidated ability to implement the project activities
- better chances at achieving the project objectives

### How is participation in this activity going to benefit the involved participants?

Participant teachers to the 3 days training activity will benefit from it by acquiring:

- improved science knowledge of theoretical and practical approaches to STEM teaching
- improved teaching skills by learning new methods
- better practical ability to manage and guide the students while organizing practical science lessons
- more experience about international education and cooperation
- better motivation and commitment to obtaining performance and quality in teaching science and green energy
- better cooperation within the partnership
- improved team spirit within the partnership

Staff mobilities and training activities will prevent pedagogical immobility and support innovation and creativity in teaching.

Schools will promote their European dimension in science teaching through European partnership and cooperation.- They will have better awareness of water pollution and possible solutions to have a cleaner environment and planet.

- Participants will gain a cross-curricular perspective on teaching.
- Participants will benefit from the experience of learning how to teach in a multicultural environment
- Participants will improve their team work cooperation and ability to apply theoretical and practical approaches
- Participants will gain quality in their profession and improve their teaching skills with new methods

### Summary of Groups of Participants

In the following table, please define the groups of participants who will require funding to participate in this activity. Participants who do not require funding (for example local participants) do not need to be specified in this part.

ID	Sending Organisation	Distance Band	Duration (days)	No. of Participants	No. of Accompanying Persons	Grant
1	Scoala Profesionala Holboca(E10175454, Romania)	500-1999 km	5	2	0	1.610,00 EUR
2	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)	500-1999 km	5	2	0	1.610,00 EUR
3	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)	500-1999 km	5	2	0	1.610,00 EUR
4	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)	500-1999 km	5	2	0	1.610,00 EUR
5	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)	500-1999 km	5	2	0	1.610,00 EUR

Group of Participants (1, C1 (Preliminary training for teachers))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
Scoala Profesionala Holboca / Romania	Croatia

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR



No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

## Group of Participants (2, C1 (Preliminary training for teachers))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Osnovno uchiliste "Yordan Yovkov" / Bulgaria		Croatia
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (3, C1 (Preliminary training for teachers))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU / Turkey	Croatia

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR



## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Group of Participants (4, C1 (Preliminary training for teachers))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
1st HIGH SCHOOL OF KALAMPAKA / Greece		Croatia
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (5, C1 (Preliminary training for teachers))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
ISTITUTO COMPRENSIVO A. DE FILIS / Italy	Croatia

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Activity Budget

Budget Items	Grant
Travel	2.750,00 EUR
Individual Support	5.300,00 EUR
<b>Total Grant</b>	<b>8.050,00 EUR</b>



## Activity Details (C2)

In this section, you are asked to provide details about this specific activity. The section consists of two parts: Activity Details and Groups of Participants.

In the first part (Activity Details) you are asked to provide information about the planned activity as a whole (e.g. its venue, duration, etc.), to define the activity's lead organisation, and to list the other participating organisations. The lead organisation is typically the one hosting the activity in its premises. In case you decide to organise the activity outside of the lead organisation's premises, you must respect the detailed rules provided in the Programme Guide and you need to provide an explanation for this choice as part of the activity description. The other participating organisations are all project partners who will send their participants to take part in the activity. Adding a partner organisation to the list of participating organisations will allow you to ask funding for their participants in the second part of this section.

In the second part (Groups of Participants) you are asked to provide some details about the participants who will take part in this activity. The main purpose of this section is to calculate the budget that the project will receive for the participants' travel, individual support and other expenses. The participants are organised in groups for easier calculation. Each group and its budget are linked to their sending organisation.

<b>Field</b>	SCHOOLS	<b>Activity Type</b>	Short-term exchanges of groups of pupils
<b>Activity Title</b>	Introduction about green energy, pollution of environment (air, water, land) and its causes		
<b>Leading Organisation</b>	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)		
<b>Participating Organisations</b>			
1st HIGH SCHOOL OF KALAMPAKA(E10207214, Greece)			
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10207214, Turkey)			
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10207214, Croatia)			
Osnovno uchiliste "Yordan Yovkov"(E10207214, Bulgaria)			
Scoala Profesionala Holboca(E10207214, Romania)			
<b>Starting Period</b>	02-2021	<b>Duration(days)</b>	5
<b>Country of Venue</b>			Italy

**Description of the activity:**

- Describe the content, methodology and expected results of the activity.
- How is it going to be related to or integrated with the normal activities of the involved schools?

Subject / theme: Green energy and environment pollution

**Day 1**

Seminar about green energy the benefits and the economical value on start ups.

Each delegation will present through ICT, how green enterprises act in their own territory on the green energy topic (e.i. innovative solution to energy saving, lower impact into environment, etc.) Methods: workshop - group activity. Results: PPT presentations.

**Day 2**

Experiment: how a solar panel works, differences within solar power which produce electricity and hot water

Learning about green energy by visiting Terni Energia company – enterprise working worldwide on green energy and smart solutions <https://www.ternienergia.com/>. Methods: experimentation, observation, individual and group study. Results: better knowledge of science and STEM skills.

**Day 3**

Seminar: Analysis of what environmental pollution means in our daily life, smart solution for a suitable environmental protection

Experiments: one teacher from each country will demonstrate an experiment on pollution, students will have to replicate the experiments seen divided in international groups, teachers will supervise. Methods: group work, experiments. Results: improved knowledge.

**Day 4**

Video production: Pollution for peers, in this activity, students will have to create a video demonstrating how to make an experiment on pollution. This video will have to be in English and students will have to share it with their peers once back in their own country

Trivia games on green energy and pollution. Methods: team work. Results: video.

Day 5

Evaluation of acquired knowledge. Methods: discussions, questionnaires. Results: charts of evaluation.

Activities will be integrated in the daily schedule of the host school from Italy, without disrupting its usual schedule. Space and necessary materials will be provided.

**Does this activity combine physical mobility with virtual exchanges through eTwinning?**

Yes

**Please explain how this will be achieved and what the expected benefits are.**

The eTwinning virtual activities will imply dissemination of activities and results that took place during the first 5 days of the mobility. This dissemination will take place on the 6th or 7th day after the mobility.

The eTwinning platform will be used for the benefit of participants, as consolidation of acquired skills, feedback from activities, disseminating results / uploading materials and photos, communicating impressions, sharing experience.

The eTwinning platform will also be used for communication before, during and after the mobilities.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported. Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its very sustainability is achieved (the new beneficiaries may include the project's results into their own teaching activities).

Expected benefits:

- improved knowledge of green energy and awareness of importance of using green energy to prevent climate change and reduce pollution
- better STEM skills, engineering and practical abilities
- more interest for science and environment learning
- more environment responsibility
- better connection between teenagers from different European regions
- improvement of personality through the experiences of participating to the mobility
- better knowledge and skills of foreign language
- increased self confidence

### How is participation in this activity going to benefit the involved participants?

The participants will benefit by improving their STEM skills, foreign language, ICT and ability to cooperate in a group:

- the workshops and PPT presentations will improve their science knowledge and their interest for learning about green energy and solutions for reducing pollution
- the practical group work, the demonstrations of building power generators and science experiments will improve their practical and engineering skills
- the visit to the Terni Energy company will broaden their horizon and understanding of the use of green energy
- group activities will improve their foreign language skills, their ability to cooperate and integrate in a team
- doing a video will improve their digital technology skills and self confidence to achieve results on their own

Participants will also benefit from this activity in many ways, they will:

- improve their knowledge of green energy as solution for climate change and reducing pollution
- improve their science knowledge and STEM skills
- increase their interest for learning sciences
- improve their ICT skills
- improve their foreign language skills
- improve their mentality as pro-ecological thinking and responsibility
- gain better awareness of water pollution and possible solutions to have a cleaner environment and planet.
- Participants will gain a cross-curricular perspective.
- Participants will benefit from the experience of learning in a multicultural environment
- Participants will improve their team work cooperation and ability to integrate in a group
- Participants will gain basic practical life skills by the experience of traveling to other countries, learning to behave in different environments
- Participants will have a wider perspective on the diversity of the world
- Participants will gain self confidence, self esteem and a more responsible attitude by doing their tasks
- Participants will gain a sense of belonging to the European community

## Summary of Groups of Participants

In the following table, please define the groups of participants who will require funding to participate in this activity. Participants who do not require funding (for example local participants) do not need to be specified in this part.

ID	Sending Organisation	Distance Band	Duration (days)	No. of Participants	No. of Accompanying Persons	Grant
1	Scoala Profesionala Holboca(E10175454, Romania)	500-1999 km	7	4	2	4.758,00 EUR
2	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)	500-1999 km	7	4	2	4.758,00 EUR
3	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)	500-1999 km	7	5	2	5.439,00 EUR
4	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)	500-1999 km	7	4	2	4.758,00 EUR
5	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)	500-1999 km	7	4	2	4.758,00 EUR

Group of Participants (1, C2 (Introduction about green energy, pollution of environment (air, water, land) and its causes))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.



Sending Organisation		Country of Venue	
Scoala Profesionala Holboca / Romania		Italy	
No. of Participants	No. of Accompanying Persons		Total No. of Participants and accompanying persons
4	2		6

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

### Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (2, C2 (Introduction about green energy, pollution of environment (air, water, land) and its causes))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
Osnovno uchiliste "Yordan Yovkov" / Bulgaria	Italy

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

Group of Participants (3, C2 (Introduction about green energy, pollution of environment (air, water, land) and its causes))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU / Turkey		Italy
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
5	2	7

Group of Participants - Budget



### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
5	7	406,00 EUR	2.030,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.514,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
7	500 - 1999 km	275	1.925,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (4, C2 (Introduction about green energy, pollution of environment (air, water, land) and its causes))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
1st HIGH SCHOOL OF KALAMPAKA / Greece	Italy

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

Group of Participants (5, C2 (Introduction about green energy, pollution of environment (air, water, land) and its causes))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

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Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec / Croatia		Italy
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR



## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Activity Budget

Budget Items	Grant
Travel	8.525,00 EUR
Individual Support	15.946,00 EUR
<b>Total Grant</b>	<b>24.471,00 EUR</b>

## Activity Details (C3)

In this section, you are asked to provide details about this specific activity. The section consists of two parts: Activity Details and Groups of Participants.

In the first part (Activity Details) you are asked to provide information about the planned activity as a whole (e.g. its venue, duration, etc.), to define the activity's lead organisation, and to list the other participating organisations. The lead organisation is typically the

one hosting the activity in its premises. In case you decide to organise the activity outside of the lead organisation's premises, you must respect the detailed rules provided in the Programme Guide and you need to provide an explanation for this choice as part of the activity description. The other participating organisations are all project partners who will send their participants to take part in the activity. Adding a partner organisation to the list of participating organisations will allow you to ask funding for their participants in the second part of this section.

In the second part (Groups of Participants) you are asked to provide some details about the participants who will take part in this activity. The main purpose of this section is to calculate the budget that the project will receive for the participants' travel, individual support and other expenses. The participants are organised in groups for easier calculation. Each group and its budget are linked to their sending organisation.

<b>Field</b>	SCHOOLS	<b>Activity Type</b>	Short-term exchanges of groups of pupils
<b>Activity Title</b>	Renewable energy sources, Wind Energy, Wave Energy		
<b>Leading Organisation</b>	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)		

**Participating Organisations**

1st HIGH SCHOOL OF KALAMPAKA(E10100348, Greece)

ISTITUTO COMPRENSIVO A. DE FILIS(E10100348, Italy)

KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10100348, Turkey)

Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10100348, Croatia)

Scoala Profesionala Holboca(E10100348, Romania)

**Starting Period**06-  
2021**Duration(days)**

5

**Country of Venue**

Bulgaria

**Description of the activity:**

- Describe the content, methodology and expected results of the activity.
- How is it going to be related to or integrated with the normal activities of the involved schools?

Subject/Theme: Renewable energy sources, Wind Energy, Wave Energy

1st Day

-Brainstorming activity " Energy which we use"

Students discuss energy sources they know and their use.

Methodology: Group work. Results: Summary of energy sources people use.

- Workshop and discussion about non-renewable and renewable energy sources

Students increase their knowledge about energy sources, polluting environment, solving ecological problems

Methodology: Individual search (ICT) and group work about Wind Energy- sailing boats, battery charging, wind generators, etc. and Wave Energy- water desalination, wave farm, etc.

Results: Conclusions about advantages of using renewable energy sources, importance of green energy and saving environment

2nd Day

- STEM lesson about wind energy in two sessions

Developing students` 21st century skills, digital literacy, initiative and productivity as well as critical and inventive thinking, global awareness, social and cross-cultural interaction.

Methodology: - Engagement, Exploration, Explanation, Engineering, Evaluation, Estimation. Engineering includes a practical activity with building a wild generator, using Engineering Design Circle – ask, imagine, plan, create, test, improve.

Results: Integrating Science, Technology, Engineering and Maths in one lesson; models of wind generators, arranging an exhibition of models which students built.

3rd Day

-Developing students` knowledge about the principle of operation of wind turbines by visiting Kaliakra Wind Power Company located on Cape Kaliakra.

Methodology: Workshop, PPTs, observing how wind generators work, games, sketches  
Results: Developed knowledge of wind generators and their role in green energy accumulating

#### 4th Day

- Increasing students` knowledge of wave energy by visiting the Institute of Oceanology in Varna.

Methodology: Workshop, discussion about Wave energy. Students fill in worksheets.

- Developing ICT skills in the field of green energy by making PPTs, drawing pictures of wind and wave energy

Methodology: Individual study, group work to make PPTs and pictures of wind and wave energy

Results: PPTs, pictures of green energy

#### 5th Day

- Workshop on energy consumption at home and at school.

Students learn about using effectively green energy in order not to pollute the environment.

Methodology: Group work. Each group checks the energy consumed at home/school for a period of time and gives ideas how energy can be saved. After that each group prepares a home or school energy plan.

Results: Home and school energy plans

-Competition "How green are you?"

Increasing students` awareness of the consequences of their actions

Methodology: The students are divided into groups and answer questions on effective use and saving energy, protecting environment.

Results: Developed engagement, responsibility and civic position in saving the planet

Activities will be integrated in school schedule without disturbing it.

**Does this activity combine physical mobility with virtual exchanges through eTwinning?**

Yes

**Please explain how this will be achieved and what the expected benefits are.**

The eTwinning virtual activities will imply dissemination of activities and results that took place during the first 5 days of the mobility. This dissemination will take place on the 6th or 7th day after the mobility.

The eTwinning platform will be used for the benefit of participants, as consolidation of acquired skills, feedback from activities, disseminating results / uploading materials and photos, communicating impressions, sharing experience.

The eTwinning platform will also be used for communication before, during and after the mobilities.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported. Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its very sustainability is achieved (the new beneficiaries may include the project's results into their own teaching activities).

Expected benefits:

- improved knowledge of green energy and awareness of importance of using green energy to prevent climate change and reduce pollution
- better STEM skills, engineering and practical abilities
- more interest for science and environment learning
- more environment responsibility
- better connection between teenagers from different European regions
- improvement of personality through the experiences of participating to the mobility
- better knowledge and skills of foreign language
- increased self confidence

### How is participation in this activity going to benefit the involved participants?

Participants will benefit from the activities by:

- learning about wind and wave energy by on-site observation, practical activities and workshops
  - improving their knowledge of green energy by practical activities,
  - improving their ICT, foreign language and STEM skills at the same time
  - increasing their interest for learning science by practical activities
  - having better social skills, self confidence and ability to integrate in a team
- Participants will benefit from this activity in many ways, they will:
- improving their knowledge of green energy as solution for climate change and reducing pollution
  - increasing their interest for learning sciences
  - improving their mentality as pro-ecological thinking and responsibility
  - having better awareness of water pollution and possible solutions to have a cleaner environment and planet.
  - Participants will gain a cross-curricular perspective.
  - Participants will benefit from the experience of learning in a multicultural environment
  - Participants will improve their team work cooperation and ability to integrate in a group
  - Participants will gain basic practical life skills by the experience of traveling to other countries, learning to behave in different environments
  - Participants will have a wider perspective on the diversity of the world
  - Participants will gain self confidence, self esteem and a more responsible attitude by doing their tasks
  - Participants will gain a sense of belonging to the European community



## Summary of Groups of Participants

In the following table, please define the groups of participants who will require funding to participate in this activity. Participants who do not require funding (for example local participants) do not need to be specified in this part.

ID	Sending Organisation	Distance Band	Duration (days)	No. of Participants	No. of Accompanying Persons	Grant
1	Scoala Profesionala Holboca(E10175454, Romania)	500-1999 km	7	4	2	4.758,00 EUR
2	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)	500-1999 km	7	5	2	5.439,00 EUR
3	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)	500-1999 km	7	4	2	4.758,00 EUR
4	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)	500-1999 km	7	4	2	4.758,00 EUR
5	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)	500-1999 km	7	4	2	4.758,00 EUR

### Group of Participants (1, C3 (Renewable energy sources, Wind Energy, Wave Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue	
Scoala Profesionala Holboca / Romania		Bulgaria	
No. of Participants	No. of Accompanying Persons		Total No. of Participants and accompanying persons
4	2		6

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

### Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (2, C3 (Renewable energy sources, Wind Energy, Wave Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU / Turkey	Bulgaria

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
5	2	7

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
5	7	406,00 EUR	2.030,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.514,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
7	500 - 1999 km	275	1.925,00 EUR



## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

## Group of Participants (3, C3 (Renewable energy sources, Wind Energy, Wave Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
1st HIGH SCHOOL OF KALAMPAKA / Greece		Bulgaria
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (4, C3 (Renewable energy sources, Wind Energy, Wave Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec / Croatia	Bulgaria

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

## Group of Participants (5, C3 (Renewable energy sources, Wind Energy, Wave Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the



same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
ISTITUTO COMPRENSIVO A. DE FILIS / Italy		Bulgaria
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Activity Budget

Budget Items	Grant
Travel	8.525,00 EUR
Individual Support	15.946,00 EUR
<b>Total Grant</b>	<b>24.471,00 EUR</b>

## Activity Details (C4)

In this section, you are asked to provide details about this specific activity. The section consists of two parts: Activity Details and Groups of Participants.

In the first part (Activity Details) you are asked to provide information about the planned activity as a whole (e.g. its venue, duration, etc.), to define the activity's lead organisation, and to list the other participating organisations. The lead organisation is typically the

one hosting the activity in its premises. In case you decide to organise the activity outside of the lead organisation's premises, you must respect the detailed rules provided in the Programme Guide and you need to provide an explanation for this choice as part of the activity description. The other participating organisations are all project partners who will send their participants to take part in the activity. Adding a partner organisation to the list of participating organisations will allow you to ask funding for their participants in the second part of this section.

In the second part (Groups of Participants) you are asked to provide some details about the participants who will take part in this activity. The main purpose of this section is to calculate the budget that the project will receive for the participants' travel, individual support and other expenses. The participants are organised in groups for easier calculation. Each group and its budget are linked to their sending organisation.

<b>Field</b>	SCHOOLS	<b>Activity Type</b>	Short-term exchanges of groups of pupils
<b>Activity Title</b>	Solar energy, use of photovoltaic panels and reducing light pollution		
<b>Leading Organisation</b>	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)		

**Participating Organisations**

ISTITUTO COMPRENSIVO A. DE FILIS(E10131553, Italy)

KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10131553, Turkey)

Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10131553, Croatia)

Osnovno uchiliste "Yordan Yovkov"(E10131553, Bulgaria)

Scoala Profesionala Holboca(E10131553, Romania)

**Starting Period**11-  
2021**Duration(days)**

5

**Country of Venue**

Greece

**Description of the activity:**

- Describe the content, methodology and expected results of the activity.
- How is it going to be related to or integrated with the normal activities of the involved schools?

Subject/theme: sunlight energy and its use by photovoltaic panels

Day 1:

- Designing a logo for the project

Methodology: Individual work. Each school will present proposals for the logo. The logo will be chosen by votes from teachers and student representatives.

Results: project logo and exhibition

- Kahoot contest about geographical/environment details related to each country region of partner schools. Methods: individual participation using ICT. Results: improved knowledge about the environment and better ICT skills.

- Fireflies –STEM Activity

Goals: Building a firefly (used as an index of a habitat as it can only survive in unpolluted environments)

Methodology: With STEM kits, students will create fireflies

Results: Fireflies (Technology/engineering)

Day 2: Calculating the school energy footprint

Goals:

- Introduction to the concept of energy footprint, its significance and impact on the environment
- Calculation of the school energy footprint
- Familiarizing students with the gallery walk strategy

Methodology: Before the meeting, students will calculate their school energy footprint answering a questionnaire provided by the host country. During the meeting, the results in the form of online/printed posters will be presented using the gallery walk strategy. Similarities and differences will be discussed.

Results:

- Posters (ICT)

-School Energy footprint (Science)

Day 3:

-Learning about solar energy and photovoltaics

Goals: Familiarizing students with solar energy forms and photovoltaics

Methodology: The host country will design various activities for students focusing on the forms of solar energy and photovoltaics and a worksheet to check students' understanding.

Results: Media presentations ( video, PPT) (ICT) and worksheets (Science/Technology/Engineering)

-Workshop: Linking the school energy footprint to the use of photovoltaics

Goals: Learning about the benefits of photovoltaics

Methodology: The host country will create worksheets for teams to understand the impact of photovoltaics on their school energy footprint. Students will present the results.

- Learning about light pollution ; Using AR (Augmented Reality) software

Methodology: discussion about light pollution, PPT presentation; defining light pollution and its types, causes and impact on environment. Results: PPT presentation, improved knowledge.

Day 4: Building a photovoltaic panel

Goals: Understanding the components of and building a photovoltaic panel

Methodology: The host country will provide transnational teams of students with materials to build a panel

Results: Photovoltaic panels (Technology)

Day 5: Visiting a photovoltaic park

Goals: Gaining hands-on experience

Methodology: Field trip

Results: students learning about how energy can be transformed from solar energy to electrical energy (Science)

- Questionnaires of evaluation

Activities will be integrated in school schedule without disturbing it.



**Does this activity combine physical mobility with virtual exchanges through eTwinning?**

Yes

**Please explain how this will be achieved and what the expected benefits are.**

The eTwinning virtual activities will imply dissemination of activities and results that took place during the first 5 days of the mobility. This dissemination will take place on the 6th or 7th day after the mobility.

The eTwinning platform will be used for the benefit of participants, as consolidation of acquired skills, feedback from activities, disseminating results / uploading materials and photos, communicating impressions, sharing experience.

The eTwinning platform will also be used for communication before, during and after the mobilities.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported. Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its very sustainability is achieved (the new beneficiaries may include the project's results into their own teaching activities).

Expected benefits:

- improved knowledge of green energy and awareness of importance of using green energy to prevent climate change and reduce pollution
- better STEM skills, engineering and practical abilities
- more interest for science and environment learning
- more environment responsibility
- better connection between teenagers from different European regions
- improvement of personality through the experiences of participating to the mobility
- better knowledge and skills of foreign language
- increased self confidence

### How is participation in this activity going to benefit the involved participants?

Participants will benefit from the activities by acquiring:

- improved knowledge of solar energy and photovoltaic panels and how they generate electrical power
- improved knowledge of light pollution, calculating the footprint and learning about the environment in other countries
- by the practical activities the participants will improve their ICT and STEM skills, increasing their interest for learning science by doing
- by the group and team work participants will improve their cooperation skills and foreign language skills
- by the field trip the participants will get a better understanding of the use of solar energy

Participants will also benefit from this activity as they will:

- improve their knowledge of green energy as solution for climate change and reducing pollution
- improve their mentality as pro-ecological thinking and responsibility
- Participants will gain a cross-curricular perspective.
- Participants will benefit from the experience of learning in a multicultural environment
- Participants will improve their team work cooperation and ability to integrate in a group
- Participants will gain basic practical life skills by the experience of traveling to other countries, learning to behave in different environments
- Participants will have a wider perspective on the diversity of the world
- Participants will gain self confidence, self esteem and a more responsible attitude by doing their tasks
- Participants will gain a sense of belonging to the European community

## Summary of Groups of Participants

In the following table, please define the groups of participants who will require funding to participate in this activity. Participants who do not require funding (for example local participants) do not need to be specified in this part.

ID	Sending Organisation	Distance Band	Duration (days)	No. of Participants	No. of Accompanying Persons	Grant
1	Scoala Profesionala Holboca(E10175454, Romania)	500-1999 km	7	4	2	4.758,00 EUR
2	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)	500-1999 km	7	5	2	5.439,00 EUR
3	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)	500-1999 km	7	4	2	4.758,00 EUR
4	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)	500-1999 km	7	4	2	4.758,00 EUR
5	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)	500-1999 km	7	4	2	4.758,00 EUR

### Group of Participants (1, C4 (Solar energy, use of photovoltaic panels and reducing light pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue	
Scoala Profesionala Holboca / Romania		Greece	
No. of Participants	No. of Accompanying Persons		Total No. of Participants and accompanying persons
4	2		6

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

### Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (2, C4 (Solar energy, use of photovoltaic panels and reducing light pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU / Turkey	Greece



No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
5	2	7

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
5	7	406,00 EUR	2.030,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.514,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
7	500 - 1999 km	275	1.925,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

#### Group of Participants (3, C4 (Solar energy, use of photovoltaic panels and reducing light pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec / Croatia		Greece
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (4, C4 (Solar energy, use of photovoltaic panels and reducing light pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
ISTITUTO COMPRENSIVO A. DE FILIS / Italy	Greece

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR



No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

#### Group of Participants (5, C4 (Solar energy, use of photovoltaic panels and reducing light pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Osnovno uchiliste "Yordan Yovkov" / Bulgaria		Greece
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Activity Budget

Budget Items	Grant
Travel	8.525,00 EUR
Individual Support	15.946,00 EUR
<b>Total Grant</b>	<b>24.471,00 EUR</b>

## Activity Details (C5)

In this section, you are asked to provide details about this specific activity. The section consists of two parts: Activity Details and Groups of Participants.

In the first part (Activity Details) you are asked to provide information about the planned activity as a whole (e.g. its venue, duration, etc.), to define the activity's lead organisation, and to list the other participating organisations. The lead organisation is typically the

one hosting the activity in its premises. In case you decide to organise the activity outside of the lead organisation's premises, you must respect the detailed rules provided in the Programme Guide and you need to provide an explanation for this choice as part of the activity description. The other participating organisations are all project partners who will send their participants to take part in the activity. Adding a partner organisation to the list of participating organisations will allow you to ask funding for their participants in the second part of this section.

In the second part (Groups of Participants) you are asked to provide some details about the participants who will take part in this activity. The main purpose of this section is to calculate the budget that the project will receive for the participants' travel, individual support and other expenses. The participants are organised in groups for easier calculation. Each group and its budget are linked to their sending organisation.

<b>Field</b>	SCHOOLS	<b>Activity Type</b>	Short-term exchanges of groups of pupils
<b>Activity Title</b>	Water energy, hydropower and how to reduce water pollution		
<b>Leading Organisation</b>	Scoala Profesionala Holboca(E10175454, Romania)		

**Participating Organisations**

1st HIGH SCHOOL OF KALAMPAKA(E10175454, Greece)

ISTITUTO COMPRENSIVO A. DE FILIS(E10175454, Italy)

KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10175454, Turkey)

Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10175454, Croatia)

Osnovno uchiliste "Yordan Yovkov"(E10175454, Bulgaria)

**Starting Period**03-  
2022**Duration(days)**

5

**Country of Venue**

Romania



**Description of the activity:**

- Describe the content, methodology and expected results of the activity.
- How is it going to be related to or integrated with the normal activities of the involved schools?

Subject / theme: water energy, pollution of water, hydropower and water resources

**Day 1**

-Workshop about pollution in the water, sources of pollution, solutions to clean the waters of the planet

Practical activity: building a water filter. Methodology: group work. Results: water filter device; list of causes and solutions for water pollution

**Day 2**

- Water experiments: properties of water as a natural element

- Future green engineers: imagine the ideal home and town of the future, team game / competition

Methodology: group work and individual work. Results: knowledge about properties of water; posters about the ecological town of the future.

**Day 3**

- Hydropower: how can water be used to generate electricity

- Learning about hydropower and water use at Bicz lake and dam

Methodology: PPT presentations, lecture, group discussion, learning by direct observation. Results: PPT presentations and knowledge about hydropower.

**Day 4**

- Workshop: the importance of clean water for health

-ICT: online quiz about waters of the world

Methodology: group work and individual work. Results: quiz percentage chart / analysis.

**Day 5**

- Evaluation of acquired knowledge
- Feedback from participants

Methodology: questionnaire and discussions. Results: written impressions from students.

Activities will be integrated in school schedule without disturbing the regular classes. Participants will be selected from different groups, and will be provided space and resources without interfering with the other daily scheduled classes.

**Does this activity combine physical mobility with virtual exchanges through eTwinning?**

Yes

**Please explain how this will be achieved and what the expected benefits are.**

The eTwinning virtual activities will imply dissemination of activities and results that took place during the first 5 days of the mobility. This dissemination will take place on the 6th or 7th day after the mobility.

The eTwinning platform will be used for the benefit of participants, as consolidation of acquired skills, feedback from activities, disseminating results / uploading materials and photos, communicating impressions, sharing experience.

The eTwinning platform will also be used for communication before, during and after the mobilities.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported. Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its very sustainability is achieved (the new beneficiaries may include the project's results into their own teaching activities).

Expected benefits:

- improved knowledge of green energy and awareness of importance of using green energy to prevent climate change and reduce pollution
- better STEM skills, engineering and practical abilities
- more interest for science and environment learning
- more environment responsibility
- better connection between teenagers from different European regions
- improvement of personality through the experiences of participating to the mobility
- better knowledge and skills of foreign language
- increased self confidence

### How is participation in this activity going to benefit the involved participants?

Participants will benefit from this activity in many ways, they will:

- improve their knowledge of green energy as solution for climate change and reducing pollution
- improve their science knowledge and STEM skills
- increase their interest for learning sciences
- improve their ICT skills
- improve their foreign language skills
- improve their mentality as pro-ecological thinking and responsibility
  
- Participants will also benefit from learning about water energy, hydropower, how to make a water filter.
- They will have better awareness of water pollution and possible solutions to have a cleaner environment and planet.
- Participants will gain a cross-curricular perspective.
- Participants will benefit from the experience of learning in a multicultural environment
- Participants will improve their team work cooperation and ability to integrate in a group
- Participants will gain basic practical life skills by the experience of traveling to other countries, learning to behave in different environments
- Participants will have a wider perspective on the diversity of the world
- Participants will gain self confidence, self esteem and a more responsible attitude by doing their tasks
- Participants will gain a sense of belonging to the European community

## Summary of Groups of Participants

In the following table, please define the groups of participants who will require funding to participate in this activity. Participants who do not require funding (for example local participants) do not need to be specified in this part.

ID	Sending Organisation	Distance Band	Duration (days)	No. of Participants	No. of Accompanying Persons	Grant
1	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)	500-1999 km	7	4	2	4.758,00 EUR
2	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)	500-1999 km	7	4	2	4.758,00 EUR
3	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)	500-1999 km	7	5	2	5.439,00 EUR
4	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)	500-1999 km	7	4	2	4.758,00 EUR
5	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)	500-1999 km	7	4	2	4.758,00 EUR

### Group of Participants (1, C5 (Water energy, hydropower and how to reduce water pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue	
1st HIGH SCHOOL OF KALAMPAKA / Greece		Romania	
No. of Participants	No. of Accompanying Persons		Total No. of Participants and accompanying persons
4	2		6

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

Travel



No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

### Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (2, C5 (Water energy, hydropower and how to reduce water pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
ISTITUTO COMPRENSIVO A. DE FILIS / Italy	Romania

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

## Group of Participants (3, C5 (Water energy, hydropower and how to reduce water pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU / Turkey		Romania
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
5	2	7

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
5	7	406,00 EUR	2.030,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.514,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
7	500 - 1999 km	275	1.925,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (4, C5 (Water energy, hydropower and how to reduce water pollution))

To request funds for participants in this group, please complete the information below.



Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec / Croatia	Romania

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

### Group of Participants - Budget

#### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

## Group of Participants (5, C5 (Water energy, hydropower and how to reduce water pollution))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Osnovno uchiliste "Yordan Yovkov" / Bulgaria		Romania
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
4	2	6

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
4	7	406,00 EUR	1.624,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
2	7	742,00 EUR	1.484,00 EUR

Total Individual Support Grant
3.108,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
6	500 - 1999 km	275	1.650,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Activity Budget

Budget Items	Grant
Travel	8.525,00 EUR
Individual Support	15.946,00 EUR
<b>Total Grant</b>	<b>24.471,00 EUR</b>

## Activity Details (C6)

In this section, you are asked to provide details about this specific activity. The section consists of two parts: Activity Details and Groups of Participants.

In the first part (Activity Details) you are asked to provide information about the planned activity as a whole (e.g. its venue, duration, etc.), to define the activity's lead organisation, and to list the other participating organisations. The lead organisation is typically the



one hosting the activity in its premises. In case you decide to organise the activity outside of the lead organisation's premises, you must respect the detailed rules provided in the Programme Guide and you need to provide an explanation for this choice as part of the activity description. The other participating organisations are all project partners who will send their participants to take part in the activity. Adding a partner organisation to the list of participating organisations will allow you to ask funding for their participants in the second part of this section.

In the second part (Groups of Participants) you are asked to provide some details about the participants who will take part in this activity. The main purpose of this section is to calculate the budget that the project will receive for the participants' travel, individual support and other expenses. The participants are organised in groups for easier calculation. Each group and its budget are linked to their sending organisation.

<b>Field</b>	SCHOOLS	<b>Activity Type</b>	Short-term joint staff training events
<b>Activity Title</b>	New methods of teaching science by the STEM modules of Guide for Green Energy		
<b>Leading Organisation</b>	KÜÇÜKKUYU FERNUR SÖZEN ORTAOKULU(E10078852, Turkey)		

**Participating Organisations**

1st HIGH SCHOOL OF KALAMPAKA(E10078852, Greece)

ISTITUTO COMPRENSIVO A. DE FILIS(E10078852, Italy)

Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10078852, Croatia)

Osnovno uchiliste "Yordan Yovkov"(E10078852, Bulgaria)

Scoala Profesionala Holboca(E10078852, Romania)

**Starting Period**07-  
2022**Duration(days)**

3

**Country of Venue**

Turkey

**Description of the activity:**

- Describe the content, methodology and expected results of the activity.
- How is it going to be related to or integrated with the normal activities of the involved schools?

Training activities for teachers. Science teacher Candan Kafali and project coordinator Chrys Vrajitoru will lead the training activities for instructing the participants how to apply in didactic activities the content of the Guide for Green Energy. Teachers will learn new methods of teaching sciences according to the theoretical and practical approaches of the modules/chapters from the Guide for Green Energy (auxiliary manual). Teachers will learn how to apply the proposed methods and how to use the Guide for Green Energy as auxiliary manual in science classes and cross-curricular lessons.

**Content:**

Day 1 theme: teaching science lessons through practical activities, exemplified in the auxiliary manual Guide for Green Energy

Day 2 theme: combining STEM education with a cross-curricular approach as exemplified in the Guide

Day 3 theme: how to include in education of the future a wider modern perspective on innovative teaching, exemplified by the Guide

Methodology: workshops, lectures, quizzes, discussions

**Expected results:**

- better teaching abilities for participants
- better knowledge of applying and using the Guide for Green Energy in science lessons
- increased professional quality for participants, by the exchange of experience and training activities
- increased motivation to do high quality attractive science lessons

The teaching sessions will be integrated in the school schedule, in July 2022, without disturbing the other activities at that time.

**Does this activity combine physical mobility with virtual exchanges through eTwinning?**

Yes

**Please explain how this will be achieved and what the expected benefits are.**

The eTwinning virtual activities will imply dissemination of activities and results that took place during the first 5 days of the mobility. This dissemination will take place on the 6th or 7th day after the mobility.

The eTwinning platform will be used for the benefit of participants, as consolidation of acquired skills, feedback from activities, disseminating results / uploading materials and photos, communicating impressions, sharing experience.

The eTwinning platform will also be used for communication before, during and after the mobilities.

The emphasis of the Erasmus + project is on the DEOR activities - Dissemination and exploitation of results. By sharing the project results the department of education and training of the young is greatly supported. Dissemination of the project results is an extensive briefing about all activities and results of the project and it is conducted on the local, regional, national and international level.

By spreading the project results, its success is transferred on many different levels (local, regional, national and international). This way, the project and its activities can impact the people, practice, organizations etc. The goal of the each project is the enlargement of its effect. By sharing the results between the partners, not directly included into the project, its very sustainability is achieved (the new beneficiaries may include the project's results into their own teaching activities)

Benefits:

- better quality teaching skills for teachers participants
- better knowledge of methods of teaching science lessons
- better experience and consolidated ability to use the Guide for Green Energy as auxiliary manual in science lessons
- better professional performance
- long-term established connections with teachers from other schools in Europe

### How is participation in this activity going to benefit the involved participants?

Participants will benefit from the practical approach to teaching science lessons by receiving information and learning by doing an example of workshop from the auxiliary manual Guide for Green Energy.

Participants will learn how to include in their future classes STEM education combined with cross-curricular approach.

Participants will learn new methods of modern teaching for an ecological world and will receive instructions how to use the auxiliary manual Guide for Green Energy.

Participants will benefit from international exchange of experience, from cultural and pedagogical dialogues with other teachers from partner countries, will enrich their professional experience, qualities and expertise for better teaching skills in the future.

Participants will also have the opportunity to ask questions and receive answers from the more experienced colleagues, regarding STEM education for the future science teaching.

Staff mobilities and training activities will prevent pedagogical immobility and support innovation and creativity in teaching.

Schools will promote their European dimension in science teaching through European partnership and cooperation

Participant teachers to the 3 days training activity will benefit from it by acquiring:

- improved science knowledge of theoretical and practical approaches to STEM teaching
- improved teaching skills by learning new methods
- better practical ability to manage and guide the students while organizing practical science lessons
- more experience about international education and cooperation
- better motivation and commitment to obtaining performance and quality in teaching science and green energy
- Participants will gain a cross-curricular perspective on teaching.
- Participants will benefit from the experience of learning how to teach in a multicultural environment
- Participants will gain quality in their profession and improve their teaching skills with new methods

### Summary of Groups of Participants

In the following table, please define the groups of participants who will require funding to participate in this activity. Participants who do not require funding (for example local participants) do not need to be specified in this part.

ID	Sending Organisation	Distance Band	Duration (days)	No. of Participants	No. of Accompanying Persons	Grant
1	1st HIGH SCHOOL OF KALAMPAKA(E10131553, Greece)	500-1999 km	5	2	0	1.610,00 EUR
2	ISTITUTO COMPRENSIVO A. DE FILIS(E10207214, Italy)	500-1999 km	5	2	0	1.610,00 EUR
3	Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec(E10145833, Croatia)	500-1999 km	5	2	0	1.610,00 EUR
4	Osnovno uchiliste "Yordan Yovkov"(E10100348, Bulgaria)	500-1999 km	5	2	0	1.610,00 EUR
5	Scoala Profesionala Holboca(E10175454, Romania)	500-1999 km	5	2	0	1.610,00 EUR

### Group of Participants (1, C6 (New methods of teaching science by the STEM modules of Guide for Green Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue	
1st HIGH SCHOOL OF KALAMPAKA / Greece		Turkey	
No. of Participants	No. of Accompanying Persons		Total No. of Participants and accompanying persons
2	0		2

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.



No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

### Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (2, C6 (New methods of teaching science by the STEM modules of Guide for Green Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
ISTITUTO COMPRENSIVO A. DE FILIS / Italy	Turkey

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

Group of Participants (3, C6 (New methods of teaching science by the STEM modules of Guide for Green Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

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Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Osnovna skola Ivana Kukuljevica Sakcinskog Ivanec / Croatia		Turkey
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR



## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

Group of Participants (4, C6 (New methods of teaching science by the STEM modules of Guide for Green Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation	Country of Venue
Osnovno uchiliste "Yordan Yovkov" / Bulgaria	Turkey

No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

### Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

### Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

### Request Exceptional Costs for Expensive Travel

Group of Participants (5, C6 (New methods of teaching science by the STEM modules of Guide for Green Energy))

To request funds for participants in this group, please complete the information below.

Please note that there are two categories of persons who can be funded: people directly taking part in the planned activity (always referred to as participants) and accompanying persons. Accompanying persons include teachers or other staff travelling together with pupils, as well as assistants supporting participants with special needs.

Grant rates for Individual Support are different for participants and accompanying persons. Therefore, you need to specify the requested duration for Individual Support separately for the two categories of persons. At the same time, grants for travel are the

same for participants and accompanying persons. Therefore, for travel you should add together all persons requiring a grant.

Finally, please be aware that in case later on you decide to modify the information about the activity (e.g. its duration or number of participants), the modification will not be automatically reflected for the different groups of participants and different budget items. Therefore, please make sure that all budget requests are correct before submitting your application.

Sending Organisation		Country of Venue
Scoala Profesionala Holboca / Romania		Turkey
No. of Participants	No. of Accompanying Persons	Total No. of Participants and accompanying persons
2	0	2

Group of Participants - Budget

### Individual Support

Please note that additional individual support for up to two travel days may be requested if the participants are required to travel on the day before or after the activity.

No. of Participants	Duration per Participant (days)	Grant per Participant	Total (for Participants)
2	5	530,00 EUR	1.060,00 EUR

No. of Accompanying Persons	Duration per Accompanying Person (days)	Grant per Accompanying Person	Total (for Accompanying Persons)
0	0	0,00 EUR	0,00 EUR

Total Individual Support Grant
1.060,00 EUR

## Travel

No. of Persons	Distance band	Grant per Participant	Total Travel Grant
2	500 - 1999 km	275	550,00 EUR

## Exceptional Costs for Expensive Travel

Request Exceptional Costs for Expensive Travel

## Activity Budget



Budget Items	Grant
Travel	2.750,00 EUR
Individual Support	5.300,00 EUR
<b>Total Grant</b>	<b>8.050,00 EUR</b>

## Special Costs

In this section, you may request budget for types of expenses that are funded based on their actual cost. For more detailed information on what can be supported, please consult the Programme Guide or request advice from your National Agency.

## Special Needs Support

<b>Id</b>	<b>Organisation</b>	<b>Country of the Organisation</b>	<b>No. of Participants With Special Needs</b>	<b>Description and Justification</b>	<b>Requested Grant</b>
<b>Total</b>					<b>0,00 EUR</b>

## Exceptional Costs

<b>Id</b>	<b>Organisation</b>	<b>Country of the Organisation</b>	<b>Description and Justification</b>	<b>Requested Grant (75%)</b>
<b>Total</b>				<b>0,00 EUR</b>

## Follow-up

How are you going to assess if the project's objectives have been met?

Achievement of project objectives will be evaluated by: 1. percentage and completion of activities and results; 2. impact indicators

Completion of activities and results will be evaluated by each partner school and centralized by the coordinator school. The percentage will be done at the middle of the project (after one year of implementation). At the end of the project, a total percentage will be done.

Activities and results will be monitored in the database of the project, by direct feedback on the project website, by verbal reports and concrete proof / photos, exhibitions, files from partner schools.

-Project activities and progress will be monitored according to the planned schedule. Frequency of monitoring: every 2 months. Indicators: number of activities achieved. Target value for indicators: 100% accomplishment.

Each partner school will have the responsibility to report to the coordinator the accomplishment of the scheduled tasks and results. The coordinator will elaborate a timetable and chart of project progress.

-Achievement of project activities and results will be monitored on the project website, every month. Target value: 100% accomplishment of planned activities. Keeping track of progress will be visible online. Each partner school will have the responsibility to post photos of activities and results on the project website, immediately after accomplishing them.

Objectives will be also measured by impact.

Impact on direct beneficiaries will be measured by:

1. Questionnaires (initial, middle, final). Indicators: 1-10 points (1- lowest, 10- highest). Target value: over 80% positive impact with high points (8-10)

2. Pupils' progress in sciences and foreign language. Indicators: marks / grades obtained in science classes and English classes. Target value for indicators: at least 1 point higher than before participation to project activities. Impact in school results will be monitored every 4 months.

3. Pupils personal impressions on the website blog. Target value: 100% positive feedback.

Impact on indirect beneficiaries:

- number of visitors to the website; target value: over 1000 visitors

- positive feedback in comments

- positive feedback from members of local community, local authorities, other schools and school inspectors

- Quantitative accomplishment of results and activities will be decided by the precise accomplishment of the plan, in agreement with the schedule. Target value: 100% accomplishment.

Involved staff: school management, science teachers, contact persons, project coordinator.

- Quality of results will be decided by the expertise of the science teachers involved in the project, also by representatives from local department of education (school inspectors) and the feedback from the audience (indirect beneficiaries, community, online audience, mass media). Target value: over 80% positive feedback.

How will the participation in this project contribute to the development of the involved schools in the long-term? Do you have plans to continue using the results of the project or continue to implement some of the activities after the project's end?

Project results will remain available on the project website and Twinspace, by maintaining the website open after the project is closed.

Links of the project website will also be promoted on school websites and in email messages to teachers groups and other institutions.

The Guide for Green Energy and the project magazine will be available in electronic form for free download on the project website, on eTwinning platform, on Erasmus+ results platform, after the project is accomplished. There will be no limitation of use of these materials. Access will be free at all times. Project website links will be available on other project websites: Erasmus+ platform of results, schools websites and facebook community page.

The Guide for Green Energy will continue to be used in partner schools, as auxiliary manual in science lessons and practical activities, involving technologies and engineering for pupils. It will be integrated in curricular activities and also extracurricular activities. It will be used in Science classes, Geography classes, Technology classes and English in CLIL activities (Content and Language Integrated Learning). It will be used for workshops, group activities and individual study / research.

Practical activities, workshops and building power generator machines will be activities continued by the science teachers in partner schools, in the following years after the project is accomplished.

To share our experiences we will update the common Webpage/twinspace with outputs/galleries/newsletters, send articles to local media, maintain the Erasmus+ Project panel at each school and publish the outputs at the Erasmus+ project results platform.

Since European programs generate synergies between different areas of education, our educationally-driven intervention is a great boost for our six centers and will definitely become the vehicle for the promotion and improvement of our students' knowledge while preparing them to develop agency in the personal, interpersonal and academic domains and become well-rounded qualified individuals in the long term.

The project magazine will also be used as database for science classes and activities, workshops and presentations, group or individual study.

Please describe your plans for dissemination and use of project results.

- How will you make the results of your project known within your partnership, in your local communities and in the wider public? Who are the main target groups you would like to share your results with?
- Are there other groups or organisations that will benefit from your project? Please explain how.

Promoting / disseminating the results will be responsibility assumed by all partners participating to the project. Each partner school will designate one or two persons responsible with dissemination activities.

The persons responsible with dissemination will be chosen according to:

- communication skills
  - contacts / relations with other representatives from local, regional or national institutions
  - expertise/ experience in dissemination in previous projects or school activities, school events inviting many participants
- Dissemination inside the partnership by: announcements, meetings, discussions in partner schools and between project partners.

Dissemination outside the partnership. Target groups: local community members, parents and relatives, local authorities, teachers from other schools, mass-media, online national and international audience through project website and social network community (facebook) page for the project. Estimated target groups number: over 1000.

Resources:

- online tools for electronic availability of results (project website, eTwinning platform, Erasmus+platform, facebook community page)
- local/regional/national mass -media, radio stations, televisions and newspapers
- material resources for project visibility: fliers, banners, posters, invitations to dissemination events
- space and time resources: schools will host dissemination events / meetings, inviting other teachers and representatives from other local institutions or schools.

The publications Guide for Green Energy and Project Magazine will be visible and ensured to be promoted by all project partners, teachers and management from partner schools.

Dissemination plan:

- project visibility online, for local, national and international audience, September 2020 to August 2022; target group: 1000 people from 6 countries; possible main target audience, national and international levels: science teachers, scientists, engineers and environment activists but also general public, for increasing awareness and knowledge about green energy and its benefits for the planet environment
- project dissemination in schools and local communities, September 2020 to August 2022
- project visibility in the mass media related to mobilities in: Croatia October 2020, Italy in February 2021, Bulgaria in June 2021, Greece in November 2021, Romania in March 2022, Turkey in July 2022.
- The Guide for Green Energy and Project Magazine will be disseminated by conferences in partner schools; participants: teachers from other schools, February - July 2022
- The Guide for Green Energy and Project Magazine will be disseminated to local and national libraries in partner countries, April 2022 - July 2022

## Annexes

The maximum size of a file is 15 MB and the maximum total size is 100 MB.

Please download the Declaration on Honour, print it, have it signed by the legal representative and attach.

File Name	File Size (KB)
Declaration of honor_green energy.pdf	590

Please attach any other relevant documents.

If you have any additional questions, please contact your National Agency. You can find their contact details

File Name	File Size (KB)
<b>Total Size (KB)</b>	<b>590</b>

## Checklist

Before submitting your application form to the National Agency, please make sure that:

- It fulfils the eligibility criteria listed in the Programme Guide.
- All relevant fields in the application form have been completed.
- You have chosen the correct National Agency of the country in which your organisation is established. Currently selected NA is:RO01 Agentia Nationala pentru Programe Comunitare in Domeniul Educatiei si Formarii Profesionale

Please also keep in mind the following:

- Only the coordinating school needs to submit the application to its National Agency. Partner schools need to be listed in this application and must not submit the same application to their own National Agencies. If similar or identical applications are submitted by different schools to different National Agencies, all applications may be rejected.
- Only schools are eligible to participate in School Exchange Partnerships. Depending on the country where the school is registered, a specific definition of eligible schools applies. The definition or a list of eligible schools is published on the website of each National Agency. Before submitting your application, make sure that all participating schools are eligible in their respective countries.
- The documents proving the legal status of the applicant and each partner must be uploaded in the Erasmus and European Solidarity Corps platform (for more details, see Part C of the Programme Guide - 'Information for applicants').

## Data Protection Notice

### PROTECTION OF PERSONAL DATA

The application form will be processed electronically. All personal data (such as names, addresses, CVs, etc.) will be processed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the EU institutions and bodies and on the free movement of such data. Any personal data requested will only be used for the intended purpose, i.e. the processing of your application in accordance with the specifications of the call for proposals, the management of the administrative and financial aspects of the project if eligible and the dissemination of results through appropriate Erasmus+ IT tools. For the latter, as regards the details of the projects' contact persons, an unambiguous consent will be requested.

For the full description of the collected personal data, the purpose of the collection and the description of the processing, please refer to the Specific Privacy Statement (see link below) associated with this form. [http://ec.europa.eu/programmes/erasmus-plus/documents/eplink-eforms-privacy\\_en.htm](http://ec.europa.eu/programmes/erasmus-plus/documents/eplink-eforms-privacy_en.htm)

- I agree with the Specific Privacy Statement on Data Protection

## Submission History

If you have submitted more than one version of your application form, you can use this section to keep track of your work.

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