Context

Field	School education
Main objective of the project	Innovation
Project Title	TIME for digitalization
Project Acronym	TIME
Project Start Date (yyyy-mm-dd)	2021-03-01
Project Total Duration	24 months
Project End Date (yyyy-mm-dd)	2023-02-28
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.

In the pandemic context, which changed the perspective towards the educational process, moving it in the digital area, some common weaknesses (such as low digital skills, lack of digital experience and lack of the ability to use digital technology both for students and for teachers) have come out. The novelty of online teaching led to the necessity of creating partnerships and collaboration in using digital resources. Such a partnership has been created through this project ("TIME for digitalization"). It aims at advantageous exchanges of good practices between four partners (Colegiul National "C. D. Loga" Timisoara- Romania, Colegiul National "Moise Nicoara" Arad- Romania, 1o Geniko Lykeio Aigiou- Greece, Gimnazija Jovan Jovanovic Zmaj-Serbia) and at the creation of links that will be the premise for future collaborations.

The general objective of this project is to create a digital environment for a sustainable teaching process in order to facilitate institutions` involvement in education all over the Europe. This digital environment is meant to design learning activities that offer students the opportunity to develop new transformative competences and to improve their visions, which can contribute to the navigation across a wide range of situations and to the insertion on the labor market.

The project`s aims:
1. Developing 24 teachers' online teaching skills by participating at a certified training in digital methods of education, for 8 weeks, in 2021;
2. Developing 24 teachers` digital competence (key- competence by European standards) by practicing original materials and teaching scenarios on "TIME" topic, during 24 months;
3. Increasing and consolidating 400 student's digital competence and trans curricular vision by implicate in attractive international activities;
4. Building of a digital library with open educational resources, based on the experiences developed in the collaboration between the 4 schools, focused on the co-curricular teaching of the concept of "TIME".

The main project activities:
1. Teacher training. Participation of 24 teachers from the 4 partner schools in the courses offered by UVT (online): "Educational and digital resources for online training";

2. Good practice sharing. Teachers will inter-attendance, inter-assistance at lessons or educational activities, followed by the creation and testing of OER (the 4 Intellectual Outputs);

3. Cooperation between students. Students will develop 4 mini eTwinning projects, using new digital approach about TIME, in cross curricular learning.

4. Creating a digital library with open educational content: "Cross-curricular analysis of TIME" which include 4 Intellectual Outputs. Digital formal/ non-formal teaching materials related to TIME (videos, presentations, lessons plans etc.)

The project's outputs:

1. 24 teachers with improved digital and pedagogical skills and another 100 who were inspired to improve their teaching style;

2.Trans curricular analysis of TIME: Four Intellectual Outputs: TIME for LITERATURE and ART; TIME for MATHS and PHILOSOPHY; TIME for ROBOTICS and SCIENCE, TIME for STEM and HISTORY.

Project website and an informative brochure with the contents of the educational resources;

3. 400 students who benefited from good quality education, interactive lessons, had the opportunity to develop their cross-curricular skills and to enlarge their vision of life. Four eTwinning projects.

4. An Open Educational Library, which include 28 OER, made in an international collaboration: Digital formal/non-formal teaching materials related to TIME (videos, presentations, lessons plans etc.)

Intellectual outputs/activities

O1-TIME for LITERATURE and ART, responsible Colegiul National "C. D. Loga"

O2-TIME for MATHS and PHILOSOPHY, responsible Colegiul National "Moise Nicoara"

O3-TIME for ROBOTICS and SCIENCE, responsible- 1o GENIKO LYKEIO AIGIOU

O4-TIME for STEM and HISTORY, responsible- Gimnazija Jovan Jovanovic Zmaj.

This project is expected to have a significant impact on participating schools (teachers and students), as well as on other schools that will use the open educational resources created. The long-term impact of the project is, on the one hand, the use of the open educational resources in the teaching process at European level and, on the other hand, the inclusion of the preparation of teachers for interdisciplinary teaching in the national educational systems. This will have a direct impact on students- better prepared for the demands of the labor market.

TIME is a modern concept that aims at bringing together four schools, at least 24 teachers and 400 students, ready to ask and answer questions from an interdisciplinary point of view. Their interaction and the Open Educational Library Digital that will be created (containing formal/ non-formal teaching materials related to TIME) will lead to a better understanding of the geopolitical, historical, cultural and religious context in which we live.

Applicant Organisation

Organisation ID	Legal name	Country
E10090229	Colegiul National "Constantin Diaconovici Loga" Timisoara	Romania

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Partner Organisations

No	Organisation ID	Legal name	Country
1	E10151253	1o GENIKO LYKEIO AIGIOU	Greece
2	E10134027	Colegiul National "Moise Nicoara"	Romania
3	E10059889	Gimnazija Jovan Jovanovic Zmaj	Serbia

Project Budget Summary

Budget Items	Grant
Project Management and Implementation	30.000,00 EUR
Intellectual Outputs	51.090,00 EUR
Exceptional Costs	5.940,00 EUR
Total Grant	87.030,00 EUR

Intellectual Outputs

ID	Output Title	Category of Staff	No. of Working Days	Grant
O1	Transcuricular analysis of TIME: TIME for LITERATURE and ART	Teachers/Trainers/Researchers/Youth workers	120	10.770,00 EUR
O2	Transcuricular analysis of TIME: TIME for MATHS and PHILOSOPHY	Teachers/Trainers/Researchers/Youth workers	120	10.770,00 EUR
O3	Transcuricular analysis of TIME: TIME for ROBOTICS and SCIENCE	Teachers/Trainers/Researchers/Youth workers	120	10.770,00 EUR
O4	Transcuricular analysis of TIME: TIME for STEM and HISTORY	Teachers/Trainers/Researchers/Youth workers	120	10.770,00 EUR
O1	Transcuricular analysis of TIME: TIME for LITERATURE and ART	Technicians	30	1.650,00 EUR
O2	Transcuricular analysis of TIME: TIME for MATHS and PHILOSOPHY	Technicians	30	1.650,00 EUR
O3	Transcuricular analysis of TIME: TIME for ROBOTICS and SCIENCE	Technicians	30	3.060,00 EUR
O4	Transcuricular analysis of TIME: TIME for STEM and HISTORY	Technicians	30	1.650,00 EUR
Total			600	51.090,00 EUR

Exceptional Costs

ID	Description and Justification	Grant
1	6 teachers from the "Constantin Diaconovici Loga" National College will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	1.485,00 EUR
2	6 teachers from 1o GENIKO LYKEIO AIGIOU will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	1.485,00 EUR
3	6 teachers from the National College Moise Nicoara will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	1.485,00 EUR
4	6 teachers from the Gymnasium "Jovan Jovanović Zmaj" will receive financial support from this project's grant in order to participate in the postgraduate study	1.485,00 EUR
Total		5.940,00 EUR

ID	Description and Justification	Grant
	program of training and continuous professional development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	
Total		5.940,00 EUR

Budget per Participating Organisation

Organisation	Country of Organisation	Grant
Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Romania	24.015,00 EUR
1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Greece	26.985,00 EUR
Colegiul National "Moise Nicoara" (E10134027, RO)	Romania	18.015,00 EUR
Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Serbia	18.015,00 EUR

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Budget Details per Participating Organisations (Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO))

Budget Items	Grant
Project Management and Implementation	12.000,00 EUR
Intellectual Outputs	10.530,00 EUR
Exceptional Costs	1.485,00 EUR
Total Grant	24.015,00 EUR

Budget Details per Participating Organisations (1o GENIKO LYKEIO AIGIOU (E10151253, GR))

Erasmus+

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Intellectual Outputs	19.500,00 EUR
Exceptional Costs	1.485,00 EUR
Total Grant	26.985,00 EUR

Budget Details per Participating Organisations (Colegiul National "Moise Nicoara" (E10134027, RO))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Intellectual Outputs	10.530,00 EUR
Exceptional Costs	1.485,00 EUR
Total Grant	18.015,00 EUR

Budget Details per Participating Organisations (Gimnazija Jovan Jovanovic Zmaj (E10059889, RS))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Intellectual Outputs	10.530,00 EUR
Exceptional Costs	1.485,00 EUR
Total Grant	18.015,00 EUR

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Timetable

Note that Transnational Project Meetings, Intellectual Outputs, Multiplier Events and Learning, Teaching and Training activities will be listed in this table automatically once you have created them in the dedicated section of the form.

ID	Activity Type	Starting Period	Description
1	Intellectual Output	06-2021	Transcuricular analysis of TIME: TIME for LITERATURE and ART
2	Intellectual Output	06-2021	Transcuricular analysis of TIME: TIME for MATHS and PHILOSOPHY
3	Intellectual Output	06-2021	Transcuricular analysis of TIME: TIME for ROBOTICS and SCIENCE
4	Intellectual Output	06-2021	Transcuricular analysis of TIME: TIME for STEM and HISTORY

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Participating Organisations

Please note that the Organisation ID has replaced the PIC as the unique identifier for the organisation to apply for Erasmus+ and European Solidarity Corps actions managed by National Agencies. Organisations that have a PIC and have previously applied for funding in these programmes through the National Agencies have been assigned an Organisation ID automatically. Please use the Erasmus+ and European Solidarity Corps platform to check an Organisation ID, update information linked to it or register a new organisation: https://webgate.ec.europa.eu/erasmus-esc/organisation-registration

Applicant Organisation

Organisation ID	E10090229
Legal name	Colegiul National "Constantin Diaconovici Loga" Timisoara
Legal name (national language)	Colegiul National "C. D. Loga"
National ID (if applicable)	2487752
Address	Bulevardul C.D. Loga, Nr. 37
Country	Romania
Postal Code	300020

City	Timisoara
Website	www.cdloga.ro
Email	cdloga@loga.ro
Telephone	+40256491874, +40256491873
Fax	+40256492094

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

Associated Persons

Please provide information about this organisation's legal representative and contact persons for the project. Legal representative is the person authorised to sign legally binding documents on behalf of the organisation, while the contact persons are people who will be managing the project.

One of the contact persons must be designated as 'preferred contact'. This person will be contacted by the National Agency if there are questions about the project or the organisation, and in case the project is selected they will receive access to project management and reporting tools.

Legal Representative (Colegiul National "Constantin Diaconovici Loga" Timisoara)

Title	Mr
Gender	Male
First Name	Tihomir
Family Name	Milin
Department	Romanian Language and Literature
Position	director
Email	tihomirmilin@gmail.com
Telephone	+40723170384
Preferred Contact	No
If the address is different from the one of the organisation	No

Contact Person (Colegiul National "Constantin Diaconovici Loga" Timisoara)

Title	Mrs
Gender	Female
First Name	Violeta
Family Name	Craina
Department	English language and literature
Position	Deputy Director
Email	violetacraina@gmail.com
Telephone	+40722399052
Preferred Contact	Yes
If the address is different from the one of the organisation	No

Background and Experience

Please briefly present the organisation/group (e.g. its type, scope of work, areas of activity and if applicable, approximate number of paid/unpaid staff, learners and members of the group)

The "Constantin Diaconovici Loga" National College from Timisoara is one of the most prestigious schools in the west of the country.
Founded in 1903, throughout the time, the school has fostered numerous talents for the Romanian and international science and culture.
At present, over 1,000 students learn in our school from the 5th to the 12th grade: there are 8 middle school classes and 27 of secondary school classes. At secondary level there are four specializations: Mathematics and Computer Science, Natural Science, Social Sciences and Philology. The Baccalaureate promotion rate has been over 97% in the last five years.
62 teachers work at our college. The teaching staff of the college is well trained from a scientific viewpoint and with extensive teaching experience. This quality brings forth a negative aspect as well:
- teachers still rely on the same teaching style for many years based on classical scientific theory, arguing that it is a reliable and verifiable way to succeed;
- although some teachers received training courses, only 5% of them chose digital training courses and are reluctant to use new methodologies, do not trust online teaching methods.
There is a lack of exchanges with other schools that have experimented or implemented digital learning methods.
The use of modern technology can also be effective and can improve the quality of learning.
Pandemic crisis, caught us totally discovered in experience using digital tools.
The students of our college have a rich portfolio with results in competitions and school Olympics, but they faced with a big problem: the lack of abilities to apply the learned theory in a particular matter for solving practical problems encountered in another field or even in real life. They have no experience in transdisciplinarity and nor have access to activities that encourage this. The current generation of high school students did not have the opportunity to participate in Erasmus projects within the school. (those who participated in the DREAM project, graduated high school)
The main objective of European development plan of our college is to increase the quality of the entire educational process in a multicultural context, by expanding the European dimension of school and developing transversal competences, to increase the number of graduates who follow university education inside the country or in Europe. The National College "C. D. Loga " is a school with prestige and tradition - a gateway to performance and European education.

What are the activities and experience of the organisation in the areas relevant for this project? What are the skills and/or expertise of key persons involved in this project?

Our college has experience in coordinating projects with European funding. Several types of projects have taken place in the last decade.

C. D. Loga has experience in managing projects such as IPA.(Romania - Republic of Serbia IPA Cross-Border Cooperation Program is financed by European Union through Instrument for Pre-accession Assistance (IPA) and co-financed by the countries part of this program: Romania and Republic of Serbia.) Our school has coordinated two projects and was partner in one.

The first IPA project coordinated by our school between 2010 and 2012 was "Every Day Lives in the Border Areas", involving thirty teachers and about 1000 students from Romanian and Serbian schools. Our students accompanied by their teachers traveled to Serbian small villages, near the Romanian border and conducted interviews with the residents there and based on the material they gathered, put together a monograph of the two villages and a dictionary of the Romanian language spoken in the Serbian Banat.

Our school was involved as a partner in two POSDRU projects:

- POSDRU 161/2.1/G/133468 "Developing creativity and capacity for innovation through interdisciplinary approaches and facilitate insertion of graduates in the labor market"
- POSDRU/160/2.1/S/141384 "SKILLS FOR JOBS". Teachers occupy positions of short term experts in these projects. Also, our school accountant has expertise in these types of projects.

Our school coordinated and implemented 2 ERASMUS + projects:

- 2015-2017, KA1: "European teacher-European student", nr 2015-1-RO01-KA101 - 014301, 26 teachers were involved.
- 2016-2018, KA2: "Discover Real Everywhere Applications of Maths", nr 2016-1-RO01-KA201-024518 (Romania, Greece, Portugal), 15 teachers were involved, 10 students in mobility and over 100 in activities related to the implementation of the project. In this project we gained the experience of creating open educational resources. 8 intellectual outputs were created, with the theme of applied mathematics in real life. This experience will also help the current project where we want to expand the area of subjects.

Math teachers of our school, have a very good training and good experience in class, but they are also very good organizers of math competitions.

Our school hosts every year TMMATE math contest, participating students from all over the western part of Romania and sometimes we have a team of competitors from Serbia.

Through a project with local funding, we organize every year, a center of excellence in mathematics "TMMATE Junior" for fourth grade students.

Computer science teachers have been running the "Smart kids" - project, for over 10 years. This is a International Symposium for Teachers - "Education and New IT Technologies in the Euroregion".

For this project we involve the following teachers and auxiliary teaching staff:

1.SPINEANU CLAUDIA, Romanian language teacher, as coordinator, is responsible for leading the project and ensuring its completion within the specified deadline. Mrs. Spineanu was a short-term expert in an EU funded project related to Vocational Educational and Training (carrying out the implementation of the Training Firm- an interactive learning method of interdisciplinary integration and application of different competences for the development of entrepreneurial skills). Furthermore, she participated in a mobility of an Erasmus+ project. During the last four years, she has coordinated in our school the implementation of a few educational projects financed by the local authorities. She has project management and teacher trainer studies, computer skills (certified by European Driving Computer License), team management, leadership, communication and interpersonal skills. She is very interested in approaching interdisciplinary education and digitalized education. She created and published different Open Educational Resources that are useful for teaching, learning, and assessing as well as for research purposes.

2. CRAINA VIOLETA, Deputy Director- English language teacher, she responds for Communication in the project. Mrs. Craina is an experienced communicator and organizer, as she is in charge with the coordination of many curricular and extra-curricular activities within our organization.

3. FUIOAGA GIZELA, mathematics teacher, she responds for implementation and of the project. She has experience in Erasmus projects, being the coordinator of both ERASMUS+ projects carried out in the school, she was the beneficiary of a grant from Comenius program of individual mobility. Mrs. Fuioaga has project management studies and she was the coordinator in school for extracurricular projects and programs. She has organizational competencies, digital competence and experience in eTwinning.

4. SUCIU ANA, accounting expert, accountant of our school, she will be responsible for the financial part of the project. Ms. Suciu has extensive experience in managing projects

funded by European funds.

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+ K201	2018	2016-1-RO01-KA201-024518	Colegiul National Constantin Diaconovici Loga

Partner Organisations

Organisation ID	E10151253
Legal name	1o GENIKO LYKEIO AIGIOU
Legal name (national language)	1o ΓΕΝΙΚΟ ΛΥΚΕΙΟ ΑΙΓΙΟΥ
National ID (if applicable)	not applicable

Acronym	1o GEL AIGIOU
Address	ΚΛΕΙΣΟΥΡΑΣ, ΠΑΡΟΔΟΣ ΚΟΡΙΝΘΟΥ
Country	Greece
Postal Code	25100
City	ΑΙΓΙΟ
Website	http://1lyk-aigiou.ach.sch.gr
Email	1lyk-aig@sch.gr
Telephone	+302691068088, +302691068271
Fax	+302691023138

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

Associated Persons

Please provide information about this organisation's legal representative and contact persons for the project. Legal representative is the person authorised to sign legally binding documents on behalf of the organisation, while the contact persons are people who will be managing the project.

One of the contact persons must be designated as 'preferred contact'. This person will be contacted by the National Agency if there are questions about the project or the organisation, and in case the project is selected they will receive access to project management and reporting tools.

Legal Representative (1o GENIKO LYKEIO AIGIOU)

Title	Mr.
Gender	Male
First Name	Ilias
Family Name	Andreou
Department	Management
Position	Principal
Email	handreou@otenet.gr
Telephone	+306973203876
Preferred Contact	No
If the address is different from the one of the organisation	No

Contact Person (1o GENIKO LYKEIO AIGIOU)

Title	Mr.
Gender	Male
First Name	Nikolaos
Family Name	Diamantopoulos
Position	IT teacher
Email	ndiaman@sch.gr
Telephone	+306945809992
Preferred Contact	Yes
If the address is different from the one of the organisation	No

Background and Experience

Please briefly present the organisation/group (e.g. its type, scope of work, areas of activity and if applicable, approximate number of paid/unpaid staff, learners and members of the group).

1o GENIKO LYKEIO AIGIOU is a public high school of general studies, located at the city of Aigio in Greece, educating about 340 students from 15 to 18 by 38 teachers (http://1lyk-aig.ach.sch.gr). It offers a comprehensive academic program supplemented with extracurriculum activities (health, cultural, environmental, theatrical and music group), which aim at enriching the students' personality. Its aims are: • to provide a friendly, positive environment with various extracurricular programs and opportunities for all students, including those with special needs in order to support their personal and professional development; • to develop their many-folded skills – humanities, sciences, foreign languages, ICT, sports; • to contribute to their active citizenship and multicultural dialogue in Europe by organizing transnational partnership programs (e-Twinning, strategic partnerships with short term mobilities). We have students from different socio-economic backgrounds. There is a small number of students with foreign backgrounds, mostly Albanians . School is housed at a modern building in a fenced 15 acres area with a lot of greenery.

What are the activities and experience of the organisation in the areas relevant for this project? What are the skills and/or expertise of key persons involved in this project? Please explain how the organisation brings an essential added value to the project.

To do the training of our school more attractive and efficient for students, we have digitized part of lessons in the e-learning platform Moodle. Teachers upload their course materials (resources and activities) there. Their work has been made easier because they can teach without textbooks, having control over the study time for each student and taking the students' exercises online (e-portfolios).
Another step in the process of digital transition of our school is the use of Lego Mindstorms robotics kits and the gradual use of them in various scientific fields. E-Twinning program on the Lego Mindstorms robots, entitled «Programming with Lego NXT Mindstorms - Challenging each-other in TwinSpace», was running for 2 years with a school of Limoges in France. (http://new-twinspace.etwinning.net/web/p100841/welcome).
In years 2016-2018, our school was a partner of Erasmus+ KA201 project, titled "DREAM (Discover Real-life Everyday Application of Mathematics)", together with a Romanian school and a Portuguese school, coordinated by the Romanian university of Tibiscus in Timisoara. The basic idea of this project was to develop Math e-courses for six (6) specific real-life sectors (Finance, Sport, Nature, Art, Architecture and Physics). E-lessons' implementation was done in Moodle server of our school's lab (http://srv-1lyk-aigiou.ach.sch.gr/moodle/).
The activities of these e-lessons involve experimentations, hands-on and outdoor activities as well as virtual/mobile software applications. The developed material is freely available to all interested communities.
Since November 2017, our school is a partner of Erasmus+ KA201 project, entitled "PROBOT - learning PROgramming with roBOTs", with 5 more high schools partnership who are all coordinated by University of Silesia in Poland (https://probot.smcebi.edu.pl/). The basic idea of this project is to produce curricula for 15 exemplary interdisciplinary robotics projects based on Lego EV3 kit and Python programming language.
We are also running this period four (4) Erasmus+ KA229 (schools only) projects. Two (2) of them have started last year and they are related to Physical Education-Active Lifestyle (https://peals.poli.hu/) and Accessible Tourism (https://twinspace.etwinning.net/77515/home), whereas the other two (2) ones have started this school year and they have to do with Emotional Intelligence and Smart Innovation Technologies for School (https://twinspace.etwinning.net/104781/home).
The project will be based on different kinds of educational expertise available at our school. The key personnel involved are holding knowledge and experience on ICT and pedagogies. They are the following persons:

1) Diamantopoulos Nikolaos (PhD./MSc.) and Ilias Spanos, ICT teachers.
Both teachers have Erasmus+ experience, because they have been taking part in the e-Twinning Robotics project and they locally coordinated the Erasmus+ KA201 projects DREAM and PROBOT. They have led the digital transition of our school by installing the e-learning systems Moodle and Lams in the computer lab of our school. They are the administrators of these systems and they systematically help our colleagues to upload their courses there. They use extensively the Lego EV3 robots for teaching programming and the students are excited with this new approach. Their experience is expected to help realizing the ICT project results in the maximum degree.

2) Ilias Andreou (PhD., Mathematics teacher, Director of school).
The innovation in a school requires personal commitment of management personnel, in addition to educational personnel. The participation of the school principal, who has the first and last word in innovation decisions, will allow our school to quickly and successfully implement the project results

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

Yes

Erasmus+

Please indicate:				
EU Programme	Year		Project Identification or Contract Number	Applicant/Beneficiary Name
Erasmus+ KA201	2017		2017-1-PL01-KA201-038777	University of Silesia, Katowice, Poland
Erasmus+ KA229	2018		2018-1-HU01-KA229-047787	KOZGAZDASAGI POLITECHNIKUM ALTERNATIV GIMNAZIUM, Budapest, Hungary
Erasmus+ KA229	2018		2018-1-IT02-KA229-048570	IIS LUIGI EINAUDI ROMA, Rome, Italy
Erasmus+ KA229	2019		2019-1-IT02-KA229-062322	ISTITUTO TECNICO INDUSTRIALE B. PASCAL, Rome, Italy
Erasmus+ KA229	2019		2019-1-RO01-KA229-063899	Colegiul National de Arta "Octav Bancila", Iasi, Romany

Partner Organisations

Organisation ID	E10134027
Legal name	Colegiul National "Moise Nicoara"
Legal name (national language)	Colegiul National Moise Nicoara
National ID (if applicable)	3520032
Address	Piața Bibici Margareta 1
Country	Romania
Postal Code	310126
City	Arad
Website	www.moisenicoara.ro
Telephone	+400257280598
Fax	+400257214190

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

Associated Persons

Please provide information about this organisation's legal representative and contact persons for the project. Legal representative is the person authorised to sign legally binding documents on behalf of the organisation, while the contact persons are people who will be managing the project.

One of the contact persons must be designated as 'preferred contact'. This person will be contacted by the National Agency if there are questions about the project or the organisation, and in case the project is selected they will receive access to project management and reporting tools.

Legal Representative (Colegiul National "Moise Nicoara")

Title	Ms
Gender	Female
First Name	DIANA
Family Name	ACHIM
Department	MANAGEMENT
Position	DIRECTOR
Email	achim.diana2012@gmail.com
Telephone	+40733915029
Preferred Contact	No
If the address is different from the one of the organisation	Yes
Address	P-ța. Margareta Bibici nr.1
Country	Romania
Postal Code	310126

City	ARAD

Contact Person (Colegiul National "Moise Nicoara")

Title	Ms
Gender	Female
First Name	DIANA
Family Name	ȘIMONCA-OPRIȚA
Position	PROFESSOR
Email	diana.simonca@gmail.com
Telephone	+4072160064
Preferred Contact	Yes
If the address is different from the one of the organisation	No

Background and Experience

Please briefly present the organisation/group (e.g. its type, scope of work, areas of activity and if applicable, approximate number of paid/unpaid staff, learners and members of the group).

The high school "Moise Nicoara" obtained, in the year 2000, the status of a National College. The first decade of the 21st century meant the establishment of the school as an institution, guided by democratic principles. The outstanding results in national and international competitions, contests and Olympiads, prove the continuous efforts of the teachers and students to adhere to modern competitive trends, as well as the rooting in real contemporary values.

Among the values that our school encourages, we can name: Courage - to have the power to do what's best and follow your own instinct; Rightful judgement - to define and understand valuable purposes and establish priorities, to think taking into consideration the consequences of actions and to base decisions on practical wisdom; Integrity - to have the inner power to tell the truth, to act honestly, both mentally and physically; Kindness - to show care and compassion, friendship and generosity towards the rest; Perseverance - to be consistent and to find strength to go on, despite hardship and personal failure; Respect - to show appreciation towards people, authority, ownership and, last but not least, your ownself; Responsibility - to consistently fulfill obligation and to assume responsibility for your own actions; Self-discipline - to have control over your own actions, words, desires, impulses and to have a proper behaviour in any situation, to do your best in any circumstance.

To be a student at "Moise Nicoară" National College in Arad is something to be proud of. It is not easy to get here and, after one has entered it, one needs to enjoy studying permanently and keep one's curiosity awake as high performance means being in a continuous competition with oneself. Our students are the elite of Arad county, but they have managed to make themselves known nationally and internationally, as well.

Our students' exceptional school results have determined them to trust their capacity to obtain similar success at the most renowned universities in the world. These bright students of "Moise Nicoară" National College in Arad have been admitted in the British or American educational systems as well, obtaining full scholarships.

They have successfully accomplished activities aiming at European and international integration: partnership with "Aquinas College", Stockport, England (1995-2015); Comenius project, entitled "The Multicultural European", in cooperation with schools from England, the Netherlands, Italy, Germany, France (2000-2006); E-Twinning project "Forgotten Folk Tales of Europe", in cooperation with schools from Slovakia, Turkey, Greece, Italy, Croatia, France (October 2015 – March 2016); International project "150 Anni Grande Italia", in partnership with Italy (2011 - 2013); International project Euroweek, in partnership with UE schools (annually); Erasmus project "The magic of sound" (October 2015 – October 2017); Grundtvig European Project: "Promoting Healthy Living Among Youngsters from Disadvantaged Social Groups" (2012-2014); Confucius Institute Classroom – partnership beginning in 2016, regarding teaching Chinese as an extracurricular activity (in collaboration with "Vasile Goldiș University", Arad).

Periodically, we organize various charity activities, such as fund raising and visits to institutions like Old People's Home, the Orphanage, etc. We also have a volunteer partnership with "A Child's Dream"; charity, involving homework assistance for the young clients of the day centre. Our students participate in various activities organized in the school: drama club, book writing, publications "Perspectives", on-line magazine T- lessons for the e-learning Moodle Romania, reading meetings, debates, discussions with well known writers, astronomy club, attendance at on-line essay wring contests, girls' basketball team, boys' basketball team, lower secondary school boys' chess team, lower secondary school girls' and boys' athletic tetrathlon.

Our educational offer consists in three classes of students for each lower secondary grade. In which high school is concerned, the theoretical path has science specialities: Mathematics – computer science – intensive English – one class of students; Mathematics – computer science – intensive computer science – one class of students; Natural sciences – bilingual English – one class of students; Natural sciences – intensive English – two classes of students and the Humanities: Philology – one class of students. The foreign languages studied are English, French, German and Chinese (elective).

As a student of "Moise Nicoară" National College I feel like a European student. I liked this college ever since I came here in the 5 th grade. It looked huge to me then and I got lost in it in the first days. Today, I feel at home here.(one of our former students, now a European student)

What are the activities and experience of the organisation in the areas relevant for this project? What are the skills and/or expertise of key persons involved in this project? Please explain how the organisation brings an essential added value to the project.

Our school was a pilot school in a transdisciplinary teaching project. Within this framework, a group of teachers developed 2 topics: The anonymous behind the mask and Water in a transdisciplinary vision.

The key people involved in this project are:

1. Diana Șimonca-Oprița – she has been teaching in our college, since 1999, Romanian language and literature and Universal Literature, but also optional courses, like Anthropology and Mythology, Esthetics and Functional Grammar. In which the participation in projects is concerned, she has been a part in the European exchange programme, with Stockport College, in Manchester, for five years, until 2015. She participated in the last five years in E-twinning projects, involving countries like France, Turkey, Greece, Poland. The E-twinnings were dwelling on the issues like story-telling, music and literature, arts.

As a part of the transdisciplinary group of teachers in our college, she took part in a transdisciplinary project entitled The anonymous behind the mask and Water in a transdisciplinary vision, with the participation of prof. Phd, Basarab Nicolescu, France. She is also the coordinator of the Euroweek exchange, an annual meeting of the teenagers aged 14-18, held in different towns of Europe. The last meeting was in Austria and the next year it will be held in Sweden.

2. Negrilă Liliana Lavinia has been teaching Mathematics in our college since 1990. In all these years she was involved in many European exchanges and Comenius projects:

- „Matheu – identification, motivation and support of the mathematical talents in European schools" (October 6-13, 2010, Cyprus) – a scholarship within the Comenius Sectoral program, the individual mobility action

- „COMENIUS Contact Seminar for School Partnerships: Focus on MINT = Mathematics, Informatics, Natural Sciences, Technics" (October 14-17, 2010, Germany)

- „Ins and Outs of the Magic Möbius Strip" (October 2011 – August 2013) – she was the main coordinator of the Comenius multilateral project; in this project were involved four schools: „Devonport High School for Girls", Plymouth, UK; „Justus-von-Liebig-Gymnasium", Neusäß, DE; „XV. Gimnazija", Zagreb, HR and „MoiseNicoara" National College

- „The Magic of Sound" Erasmus project (October 2015 - September 2017) – there was a sequel of the Comenius project mentioned above

- „The Magic of the Water" Erasmus project (October 2018 – in present) - there is also a sequel of the Erasmus project mentioned above

- Euroweek exchange (October 3-10, 2018, Kain, Belgium) – an annual meeting of students and teachers from 25 schools/colleges from different European countries

- „CRISS Digital Competence Assessment System" (October 2018 – June 2019) – she was the administrator of the project in our college

- „FuturE" (March 12-15, 2019, Bucharest, RO) – a vision of the future Erasmus+ and European Solidarity Corps after 2021

- E-twinnings projects involved European countries (France, Greece, Turkey and Poland)

3. Cosmin Colțun, doctor of philosophy and professor of social sciences at the National College "Moise Nicoara" in Arad, is, due to theoretical concerns and skills acquired after 23 years of teaching career, qualified to participate, beneficially, in a European project focused on the theme of time. The reasons for its inclusion in the project can be obvious:

the problem of time is, has been and will be a primary philosophical one, regardless of trans, plural, inter and / or multidisciplinary perspectives, which require a hybrid approach of the socio-human field of reflection;

he had preoccupations in approaching transdisciplinarity, his dissertation at the end of his postgraduate studies in philosophy of science being: Comparative methodology and the study of the religious phenomenon;

last but not least, its participation in various training programs with European funding, in France (Les Table Ronde Europeennes et Internationales, April 2018) Belgium (European excenge 2019-2020) or Greece (Erasmus +: Human Rights & Freedoms, 2016- 2017).

4. Prof Vanda Stan, Ph.D. – English Literature

Has been a staff member and Head of Department in our college since 1990. Teaches: English and American Literature , Culture and Civilization, Human Rights and Democratic Citizenship, ESP, teacher trainer and materials writer (Oxford Univ. Press, Humanitas);

-beneficiary of numerous grants and scholarships in the UK (Oxford, York, Plymouth Univ.), Fulbright Scholar – Department of State / USA (Univ. of Chicago) , the E.U, Montessori

accredited, with a lengthy list of publications, in her field of professional expertise in the country and abroad, TCM /Asia accredited.
- winner of international grants awarded by partner governments
- conferences, summits, symposiums on all continents – plenary speeches, presentations, workshops.
-Initiator, organizer, participant in the 'Aquinas' College /Stockport, Manchester institutional exchange as well as initiator of the Comenius program in our high school.

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 +	2018	2018-1-DE03-KA229-047339_2	Colegiul Național Moise Nicoară Arad

Partner Organisations

Organisation ID	E10059889
Legal name	Gimnazija Jovan Jovanovic Zmaj
Legal name (national language)	Gimnazija Jovan Jovanovic Zmaj

National ID (if applicable)	08066892
Address	Zlatne grede 4
Country	Serbia
P.O. Box	88
Postal Code	21000
City	Novi Sad
Website	www.jjzmaj.edu.rs
Telephone	+381212156168, +381212156172
Fax	+381212156167

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

Associated Persons

Please provide information about this organisation's legal representative and contact persons for the project. Legal representative is the person authorised to sign legally binding documents on behalf of the organisation, while the contact persons are people who will be managing the project.

One of the contact persons must be designated as 'preferred contact'. This person will be contacted by the National Agency if there are questions about the project or the organisation, and in case the project is selected they will receive access to project management and reporting tools.

Legal Representative (Gimnazija Jovan Jovanovic Zmaj)

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Gender	Male
First Name	Radivoje
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Position	Headmaster
Email	direktor@jjzmaj.edu.rs
Telephone	+381642190941
Preferred Contact	Yes
If the address is different from the one of the organisation	No

Contact Person (Gimnazija Jovan Jovanovic Zmaj)

Title	PhD
Gender	Male
First Name	Goran
Family Name	Radojev
Department	Mathematics
Position	Assistant Professor
Email	radojev@dmi.uns.ac.rs
Telephone	+381642190941
Preferred Contact	No
If the address is different from the one of the organisation	No

Background and Experience

Please briefly present the organisation/group (e.g. its type, scope of work, areas of activity and if applicable, approximate number of paid/unpaid staff, learners and members of the group).

The Gymnasium "Jovan Jovanović Zmaj" is one of the oldest cultural and educational institutions in Serbia. Throughout its three-century long existence, the gymnasium has become a proud guardian for our academic traditions and a stoic supporter for the development of education in our country.

At the beginning of the nineteenth century, while Napoleon's cannons covered the political map of Europe of that time and Karadjordje and his rebels fought for the independence of Serbia, in Novi Sad a prominent merchant - Sava Vukovic, a noble of Beregsov, contemplated how to bestow his legacy to the Serbian people. Blind and visibly ill, Vukovic presented a letter with 20,000 florins for the establishment of a Serbian high school in Novi Sad in 1810. Yet this establishment draws its historic roots stem from an elementary school that was located on the same location in 1703.

During its three-century long existence, the gymnasium has continued to modernize itself constantly, always striving to be at the cutting edge of educational methodology and technology resulting in countless awards in every subject imaginable ranging through sports activities, musical pursuits, scientific research and the arts. For the past dozen years, the school choir has consistently been among the best in Europe in the category for choir singers below the age of 21.

The school is a full Cambridge partner and has a Cambridge course that the students are free to attend. And in recent years the school has become accredited for the IBD Program. The school is also partnered up with with the British Council, the Russian center in Novi Sad, the French institute, the Cervantes Institute, the GETE institute, the Confucian institute, and it also has a fully staffed bilingual program for English, German, Russian and French, and has recently partnered up with the Japanese consulate to provide Japanese classes for its students.
The school staff also arranges multiple extracurricular activities for all its students, and free language lessons for Greek, Chinese and Korean

After the democratic changes on 5 October 2000, the development of the school went into two directions: not only did the school become the leader in introducing innovations and higher standards in secondary education but it also returned to its glorious tradition and past which this educational institution has. There are seven departments in the school today: the natural sciences department, the bilingual department, the department for mathematically gifted students, the department for gifted students in Information technologies, the department for gifted students in physics, the general-sports department, and the International Balalaurate department. Since 2007 there have been experimental classes of the last two primary school grades (7th and 8th grade). The first official class of 7th and 8th grade is the class of 2001 (it officially started in 2016). The school is equipped with five modern IT study rooms and specialized rooms for mathematics, physics, chemistry and biology with the appropriate laboratories, the school library, that is filled with more than 30 000 books, a stateroom and gym. The most noted extracurricular activities are the choir and orchestra, French drama group, the Srbian theatre group, the german Drama Club, the Audio-Video Club, the Caligraphy Club, the Robotics club the Applied Physics and Electronics club, and we have many more.

We strive for forward-thinking, self sufficient, capable and caring students with lots of potential and offer them an area to develop their talents.

Significant infrastructure and technical equipment
• 25 Interactive whiteboards
• a school-wide network
• 5 dedicated IT classrooms
• Multilingual teaching environment

Multilingual staff and skilled IT personnel

What are the activities and experience of the organisation in the areas relevant for this project? What are the skills and/or expertise of key persons involved in this project? Please explain how the organisation brings an essential added value to the project.

Relevant International programs our organization is involved with

-The International Baccalaureate Diploma Programme (IBDP) - a two-year educational program primarily aimed at students aged 16–19. The program provides an internationally accepted qualification for entry into higher education and is recognized by many universities worldwide.
-Cambridge AICE Diploma program -The Cambridge Advanced International Certificate of Education(AICE) Diploma is an international curriculum and examination system that emphasizes the value of a broad and balanced study. Alongside an in-depth understanding of a variety of subjects, students also need to master a broader range of skills critical for success in university study and employment.

Relevant previous projects or activities

- 2006. Virtual Custody of Talent in the name of Tolerance supported by the CARDS program – Hungary, Romania, Serbia
- 2007. EBCL – European Business Competence License
- 2008. ACES – Academy of Central European schools, Supported by Erste Vienna.
- 2008.Traditional Contemporary Visages (the contemporary aspect of traditions)
- 2009. IPA program - cooperation with Serbia and Croatia
- 2011. IPA project - Product oriented research, development and innovation, University of Segedin, Гимназија Бољаи из Сенте и Гимназија „Јован Јовановић Змај"
- 2013. project - "Introducing Bilingual learning"
- 2014. EU project - „Развијоница"

Skills and expertise of key personnel:

Radivoje Stojkovic (♂), Ph.D has been the headmaster of the gymansium Jovan Jovanovic Zmaj in Novi Sad from 2002. He is a member of the National Education Council R Serbia, as well as ESHA, and is the president of the Organization of Grammar Schools in the Republic of Serbia. His mathematical interests are in applications of computers in education of mathematics. He is engaged in the popularization of computer science and speaks Serbian, English, German, French and Russian.
He has participated in multiple works:
R. Stojković: Računar kao pomoć u nastavi matematike, Zbornik predavanja po pozivu: I Skup o nastavi računarstva, Novi Sad, 2002.R. Stojković: Trigonometrija pomoću računara, Prim, 2002.
B. Škrbić, R. Stojković: Hemometry, The 6 DKMT Meeting on Environmental Medicine and Health, Timisiora, Romania, 2004.
Dj. Takaci, D. Herceg, R. Stojkovic: Possibilities and limitations of Scientific workplace in studying trigonometric functions, The teaching of mathematics VIII, no. 2, Društvo matematičara Srbije, Beograd (2005), ISSN:1451-4966.
Dj. Takaci, D. Herceg, R. Stojkovic: Trigonometric functions and computer, Tehnologija –Informatika – Obrazovanje 4, Novi Sad, 2007.
R. Krulanovic, S. Andrasic, R. Stojkovic: The possibility of application of Conconi test in the estimation of the anaerobic abilities of 17 years old pupils, 15 th International Interdisciplinary Symposium ecology, sport, physical activities and health of youth Novi Sad, 2007
R. Krulanovic, S. Andrasic, R. Stojkovic: The anthropometric characteristics and motoric abilities of students, 15 th International Interdisciplinary Symposium ecology, sport, physical

activities and health of youth Novi Sad, 2007

R. Stojkovic, Dj. Takaci, J. Radovanovic: The analysis of the behavior of functions using computer, First Central-and Eastern European Conference on Computer Algebra – and Dynamic Geometry Systems in Mathematics Education, University of Pecs, Hungary, 2007

Dj. Takači, R. Stojković, J. Radovanović, The influence of computers on examining trigonometric functions, Teaching Mathematics and Computer Science, 6/1 (2008), 111-123, Institute of Mathematics end Faculty of Informatics University of Debrecen, Hungary

Radivoje Stojković, Ljiljana Rakić: „The Standards for competency of executive managers in educational institutions of the Republic of Serbia", Virtual conference – Human and Social Sciences at the Common Conference HASSACC 2013, EDIS, Publishing institution of the University of Zilini, Slovakia, November 2013,

Ljiljana Rakić, Radivoje Stojković: New public management in education of Republic of Serbia'': Book of proceedings II International Scientific Conference Economic and Social Development: , Paris, April 2013,

Ljiljana Rakić, Radivoje Stojković: „Managerial accounting in function of business decision-making in educational institutions": Book of proceedings V International Scientific Conference Economic and Social Development, Belgrade, April 2014.

Goran Radojev(♂), Ph.D - pioneered the Distance learning program in the Center for Youth talents and the online preparation classes for the enrollment into the Faculty of Sciences - University of Novi Sad. A capable educator experienced with implementing innovative ideas and modern teaching concepts that utilize various digital platforms and are designed to develop abstract reasoning and advanced cognitive skills.

Currently involved in writing multiple papers exploring: digital competency, distance learning and the global impact of Information Technology

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
Math4Everyone	2019	2019-1-RS01-KA201-000796	Gimazija Jovan Jovanović Zmaj
Lets play Multylingualy	2020	KA201-FA55CFD2	Gimazija Jovan Jovanović Zmaj

Project Description

Priorities and Topics

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

HORIZONTAL:Innovative practices in a digital era

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

SCHOOL EDUCATION: Reinforcing the development of key competences

Please comment on your choice of priorities.

The European Union is currently trying to renew and adapt its educational process by including STEM (Science, Technology, Engineering and Mathematics) education. International comparisons of students' performance, like PISA evaluation, globally place the EU countries in the middle rank or lower. The problem seems to be a lack of interest in studying multi- or inter-disciplinarily. Teachers have limited experience in using/integrating digital technology, and students feel insecure (distrust) in online information or have low ability to interconnect theoretical knowledge from various disciplines with real life, with the geopolitical, historical, cultural and religious context in which they live.
We aim at addressing underachievement in the basic key skills, through more effective, innovative teaching methods. In particular, we would like to enhance digital education through projects focused on student-centered and problem-based active learning using multidisciplinary and inter-disciplinary approaches and through fostering critical thinking skills by introducing real-life context in teaching all disciplines, i.e. developing innovative didactical materials to increase motivation for studying of all pupils.

Please select up to three topics addressed by your project.

ICT - new technologies - digital competences

Quality and Relevance of Higher Education in Partner Countries

New innovative curricula/educational methods/development of training courses

Project Description

Please explain the context and the objectives of your project as well as the needs and target groups to be addressed.Why should this project be carried out transnationally?

In the context of the pandemic that had set in over the entire world, both teachers and students have had to make huge efforts to continue the educational process. The SWOT analysis carried on the schools involved showed some common weaknesses, including: low digital skills of teacher correlated with the lack of experience and their ability to use digital technology on one hand, and students do not manage the multitude of information found on the Internet, do not have the skills to put theory into practice, they do not have the experience to use transdisciplinary theoretical knowledge, on the other hand.

Also, the pedagogy of online teaching is absolutely new for all teachers involved in this partnership.

As background information for the National College "C. D. Loga" we studied the results from the Baccalaureate exam, in Digital Competences, 30% of students of our school obtained mediocre results and have no interest in improving this situation. In the last 3 years, only 5% of the school teachers have participated in a training course in the digital field.

Colegiul National Moise Nicoara:- teachers have rich experience in European projects, but low digital skills and lack of experience in the new online pedagogies, students are overwhelmed by the large number of tasks.

1o GENIKO LYKEIO AIGIOU: - in Greece the school inspectorates are not involved in organizing teacher trainings, this being a personal task of each teacher. The lack of experience of students in transdisciplinarity is seen in the bad results, published by Eurydice 2020 : Comparative reports about PISA test.

Gimnazija Jovan Jovanovic Zmaj: - good experience in the use of digital technology, but no experience in the pedagogy of online teaching.

In 2019, no less than 43% of Romanians aged 16-74 had reduced digital skills, ranking Romania first in the European Union in this regard, according to Eurostat data analyzed by Edupedu.ro, while the EU average is at 29%. In the last 5 years there is an increasing emphasis on the trans-curricular evaluation of students (National Evaluation - 6th grade, 7th grade), but students do not benefit from any hour of trans-curricular teaching, nor do teachers have no experience in this field. The evaluations are similar to the PISA tests but, unfortunately, Romania ranks last in all the competencies that are verified in these tests, according to Eurydice statistics.

The target group for the current proposal includes teachers and students (14-19 years old) from this consortium. The direct beneficiaries will be: 12 teachers from Romania, 6 teachers from Serbia and 6 teachers from Greece.

Through this project we want to develop the digital and pedagogical skills of teachers, to bring quality in the online educational process, to offer students a digital library with open educational resources in which they could safely exploitation the virtual world. The focus is to enrich teachers' experience with examples of good practice in the use of theoretical trans-curricular knowledge, and students' experience with application of knowledge in real life.

The general objective of the project is to create a digital environment for a sustainable teaching process in order to facilitate institutions involvement in education all over the Europe to design learning activities that offer students the opportunity to develop new transformative competences and to improve their visions, which can contribute to the navigation across a wide range of situations and to the insertion on the labor market.

The project`s aims:

1. Developing 24 teachers' online teaching skills by participating at a certified training in digital methods of education, for 8 week, in 2021 ;

2. Developing 24 teachers` digital competence (key- competence by European standards) by practicing original materials and teaching scenarios on "TIME" topic, during 24 months ;

3. Increasing and consolidating 400 students digital competence and transcurricular vision by implicate in attractive international activities;

4. Building of a digital library with open educational resources, based on the experiences developed in the collaboration between the 4 schools, focused on the co-curricular teaching of the concept of "TIME".

The project brings together one of the Greek most active upper secondary schools for educational technology (Moodle/LAMS e-learning) with solid background with two schools from Romania and a school from Serbia, distinguished in the fields of mathematics, science, literature, humanistic disciplines and arts, respectively. Greek school's added value is that it has installed in its ICT lab a strong Moodle/LAMS server that is used for ICT lessons of school (http://srv-1lyk-aigio.sch.sch.gr) and students of ICT field are very excited with this new type of learning.

The particular interest fields of Moise Nicoara National College are considered as an added value for the process of finding ideas in the transdisciplinary connections in their

experience.

What results are expected during the project and on its completion?

Through this project, the consortium aim is to develop the digital and pedagogical skills of 24 teachers. The expected results during the project are related to the acquisition of experience in the use of digital resources, advantageous exchanges of good practices between partners, the creation of links that will be the premise of future collaborations.
A collaboration with West University of Timisoara will be established during the implementation of the project. The Department of Teacher Training has an new and innovative postgraduate program on "Educational and digital resources for online training". Teachers from the consortium will form a special group that will be trained within the framework of this long life learning with accreditation course. The experience gained by the teachers after completion and the exchange of experience during the project will lead to design of open educational materials, in order to facilitate high quality digital learning.
At the end of the project, teachers will benefit from the digital library that will include both formal and non-formal educational materials to teach the concept of TIME in a trans-curricular approach and students will benefit from interactive applications, which will increase their understanding of theoretical notions and their usefulness and will be able to develop key competencies in the digital field.
The project's outputs:
1. 24 teachers with improved digital and pedagogical skills and another 100 who were inspired to improve their teaching style;
2. Transcuricular analysis of TIME: Four Intellectual Outputs: TIME for LITERATURE and ART; TIME for MATHS and PHILOSOPHY; TIME for ROBOTICS and SCIENCE, TIME for STEM and HISTORY.
Project website and an informative brochure with the contents of the educational resources;
3. 400 students who benefited from good quality education, interactive lessons and had the opportunity to develop their cross-curricular skills and to enlarge their vision of life. Four eTwinning projects.
4. An Open Educational Library, which include 28 OER, made in an international collaboration: Digital formal/non-formal teaching materials related to TIME (videos, presentations, lessons plans etc.)

In what way is the project innovative and/or complementary to other projects already carried out by the participating organisations?

The proposed theme of the project is TIME, which allows an inter-, multi- or transdisciplinary approach.

Disciplines which can be involved: Physics, Mathematics, Mythology, Geography, Anthropology, Linguistics, Literature, Philosophy, Music/Arts, Theology, History, Journalism, Technology, Classical languages, Modern languages, Medicine etc.

Aspects related to TIME which can be developed: duration, evolution, growth; calendars, time measurements; ephemerality, repeatability; flow of time; weather; mythical duration, sacred time, profane time; interior/exterior time; elastic time, dilation and contraction of time; historical time; the birth of time; eschatology; story time; retrospection ; etc.

The design of a digital library with open educational resources, transdisciplinarity following the concept of "TIME", is a new idea in all partner countries from the project.

Teachers directly benefiting from training in digital skills and online pedagogy will be able to create content through different approaches to classical education. The partnership between the 4 schools will create a framework that will allow the pooling of each other's resources and expertise.

The collaboration with university experts in educational technologies and relevant pedagogical practices, will contribute in developing customized solutions, adapted to local challenges and realities in each country.

The Erasmus project developed by the National College CD Loga was about the creation of open educational resources on mathematics topics. This project proposes the development of other complementary themes to the first project. National College Moise Nicoara is currently running a project about magic of water. The deeply philosophical theme of TIME is complementary to the present project.

1o GENIKO LYKEIO AIGIOU is involved in projects which develops competent in robotics for students, but they have not recently developed projects that focus on developing teachers' pedagogical skills.

The Gymnasium "Jovan Jovanović Zmaj" from Serbia, focused on cultural collaboration projects and on projects that brought technical equipment in schools. The TIME project is welcome in the Serbian school

because it brings in priority the development of teachers' competencies. It also offers the opportunity to use the digital and technological resources of the school for absolutely new and creative purposes.

How did you choose the project partners and what will they bring to the project? Does it involve organisations that have never previously been involved in a Strategic Partnerships project?

The most recent results are related to PISA 2018 and show that, among the consortium partners, Greece has the most performing results both on reading literacy and mathematics. Student's relative performance on the global competence test in Greece was one of the best among PISA-participating countries and economies, along with students' awareness of global issues in Greece. Serbia shows one of the strongest increases among PISA-participating countries and economies, in the context of one of the highest percentage of students enrolled in a vocational program among countries and economies participating in PISA. Meanwhile, Romania obtained one of the lowest ranks among PISA-participating countries and economies based on almost all considered indicators, with a relatively high influence of the socio-economic status.
The partnership has resulted from previous collaborations in various projects:
- with 1o GENIKO LYKEIO AIGIOU, proiectul Erasmus+ "DREAM" - Discover Real Everywhere Applications of Maths - 2016-1-RO01-KA201-024518 , http://fcia.tibiscus.ro/dream/;
- with Colegiul National Moise Nicoara, project "TMMATE" (funded by CJTM);
- with Gimnazija Jovan Jovanovic Zmaj: partnership on cultural issues and reciprocal visits to school premises. Both are centuries-old schools and are based in historic heritage buildings.
The previous Erasmus + project addressed mathematical topics, now we intend to expand the collaboration with a much more generous topic: TIME - with a multitude of cross-disciplinary approaches. The project is mutually beneficial, CD Loga National College offering a strong theoretical basis for all disciplines, Moise Nicoara National College offering the experience of creating trans-curricular courses, being the pilot school in an experiment of MEN, Gymnasium Jovan Jovanovic Zmaj from Novi Sad having a very good experience in online pedagogy and 1o GENIKO LYKEIO from AIGIOU having expertise in using educational platforms, they have been using and creating educational materials with an interdisciplinary approach on the MOODLE platform for a long time.
Contracting West University of Timișoara for the delivery of long life learning courses for pre-university teachers brings added value to the project.
All partners have extensive experience in developing and implementing Erasmus + projects.
The objectives of "TIME" project cannot be achieved through a national activity, because the European partners have a much richer experience from which we can learn.

How will the tasks and responsibilities be distributed among the partners?

West University of Timişoara, Romania - subcontracted partner responsible for delivering the post-university program "Educational and digital resources for online training", included in the National Register of Postgraduate Programs.

National College C.D. Loga, Timişoara, Romania - responsible for creating digital resources: TIME for LITERATURE and ART

National College Moise Nicoară, Arad, Romania - responsible for creating digital resources: TIME for MATHS and PHILOSOPHY

1o GENIKO LYKEIO AIGIOU, Greece - responsible for creating digital resources: TIME for ROBOTICS and SCIENCE

Gimnazija Jovan Jovanovic Zmaj, Serbia - responsible for creating digital resources: TIME for STEM and HISTORY

The fact that a school is responsible for a certain field does not mean that it will be strictly limited to it. The collaboration of schools is welcome and the expertise of any teacher in a certain field brings added value to the project.

THE PROJECT'S TASK:

THE NATIONAL COLLEGE C.D. LOGA will be general coordinator of project and responsible for implementation, project visibility, project dissemination (development of project website and Facebook page), project sustainability.

THE NATIONAL COLLEGE MOISE NICOARA is responsible with monitoring the project, creating specific indicators for monitoring and qualitative supervision of the OER

1o GENIKO LYKEIO AIGIOU is responsible with the evaluation of the project, the creation of specific indicators for evaluation and the creation of the project movie.

GIMNAZIJA JOVAN JOVANOVIC ZMAJ is responsible with measuring the impact of the project, creating specific indicators for measuring the impact and creating an illustrated diary with the activities carried out during the project.

If relevant, please identify and explain the involvement of associated partners, not formally participating in the project. Please explain how they will contribute to the implementation of specific project tasks/activities or support the dissemination and sustainability of the project.

The West University of Timișoara started, on June, 2020, the postgraduate study program of training and continuous professional development entitled "Educational and digital resources for online training" dedicated especially to the training of teachers in pre-university education. As a direct response to the extreme changes generated by the pandemic, this accredited and certified program is contributing to the increase of necessary skills conducting online teaching-learning-evaluation activities. The proposed program for the development of key / transversal and specific competencies, as established by the document European Framework for Digital Competence of Educators (DigCompEdu) customizes the competences for educators from the European Framework of key digital competences.

In brief, teachers following this postgraduate program will acquire knowledge in identification, evaluation and selection of digital teaching-learning resources, organizational communication using digital resources, reflective and critical approach in self- and collegiate evaluating digital pedagogical activities, on the management, protection and distribution of digital resources and in safely use of digital resources in formative and summative assessment.

The curriculum of the proposed program contains six disciplines, of which three disciplines target didactic and pedagogical aspects of online teaching activities, and three other disciplines have as object the most used platforms in educational teaching-learning-evaluation activities, for managing communication with students, learning resources and school progress: Google Suite for Education, Microsoft Teams for Education and Moodle.

Through the participation in this program, the pre-university teachers will acquire some key / transversal competencies estimated as having a major impact in the development of new approach of the educational process: efficient use of digital resources and tools in teaching-learning activities, communication and collaboration using digital technologies in teaching-learning activities and creating digital content.

Among the abilities generated by the training program, we include: creating and adapting digital resources to objectives, context and teaching methods, planning and feedback in educational activities and active and creative involvement of students in educational activities.

Is to be mentioned that the teaching staff involved in this program can easily adapt all materials in order to offer all information and materials in English, such that an international group of teachers can actively participate in all courses. The program will contribute in generating responsibility and autonomy for all actors involved, due to the use of digital technologies for the various learning needs of students, aiming at a course at their own pace, with differentiated and personalized levels and learning objectives.

Moreover, under the umbrella of West University of Timisoara, as a result of TeaSUS ERASMUS+ 2018-1-RO01-KA204-049253, a Sustainability Center runs and creates a teaching environment for a sustainable society. This type of center lays ground for engaging teachers and students from our project and other schools to develop activities where our outputs can be disseminated.

Participants

Please briefly describe how you will select and involve participants in the different activities of your project.

The "TIME" project is addressed to teachers and students who have limited experience in using new technologies in teaching and respectively in learning.
Through the implementation of this project the consortium wants to develop the digital skills of 24 teachers from the 4 schools (6 teachers from each school). By default, the students of these teachers will be involved, so we estimate that a number of around 500 students will benefit from better quality educational activities and will experience the new materials created by teachers for cross-curricular learning.
Teachers will be selected following a survey in each partner school in the project, focused on the need for training in the digital field and the availability to participate in online courses.
Also, the teachers will be selected from those who show their willingness to continue to be involved in the project activities, in the creation of open educational materials.
The survey will be created at the level of each partner school, the teachers being asked to fill in a form online. This survey will be followed by a relevant interview for the project.
We do not want to impose a complicated and laborious procedure for selection, because the statistics show that teachers are more reserved about participating in courses. Teachers' time is limited and the load of tasks is quite large, they strictly choose the courses that meet their current needs.

Participants with fewer opportunities: does your project involve participants facing situations that make their participation more difficult? No

Preparation

Please describe what will be done in preparation by your organisation/group and by your partners/group before the actual project activities take place, e.g. administrative arrangements, communication about the activities, selection of the persons, coaches, involvement of stakeholders, etc.

The main concern of the consortium is to build an effective work team and strengthen a work plan. In the given pandemic conditions and the relatively short time for organization, the coordinating school invited the partners to express their interest in the type of projects proposed by the EU, in the additional round, projects type KA-226/227. Thus, the partners selected in this project expressed their desire and willingness to collaborate, finding complementary points that can be capitalized on each other.

In October, twice a week, an online meeting was establish for brainstorming and all valuable ideas were included in the project. A major theme - concept was established: "TIME", to be included in a multitude of research areas, the developed materials serving the transdisciplinary teaching. also, the project activities were established and the implementation activities were outlined. Existing resources, recent research related to teaching-learning-transdisciplinary evaluation, the experience of the National College "Moise Nicoara", have been gathered and discussed and will serve as initial ideas of digital material design.

Immediately after the approval of the project, the school board will organize dissemination events focused on raising awareness of the potential of the project, inviting teacher training institutions.

The principal of each school undertakes to provide all possible assistance to students and teachers of the project during the implementation period, both for testing lessons during school operation and for ensuring the operation of the school on some afternoons for project working group meetings.

In March 2021, an initial online management session will be organized. The general plan of the project will be established, the responsibilities will be reviewed and a provisional program for meetings and online activities over two years will be elaborated in detail.

The project will be launched during the March 2021 meeting. We will invite representatives from the local media. At this meeting each partner will explain their own methodology for each task assigned.

Also, the subcontracted partner, the West University of Timișoara, will present the postgraduate program, which meets the current needs of teachers in all consortium countries.

The managers from each schools will be responsible to enhance the visibility of "TIME" project and promote it in local media.

In each school, the teacher responsible for communication will inform the partners, quarterly, about the progress of the project, the activities carried out, the stage of development of the educational resources.

Project team will be organized as follows:

At the top level, there are the local project leaders. These persons are overall responsible for the project from an individual participating school perspective. They will support the development and analysis work by giving input to design decisions, overseeing collaborative work and reviewing the intellectual outputs as they are developed.

Below this level, two complementary teams at each school will work together as the development team: 1. the TIME pedagogy team - those who will create the educational resources; 2. the technology team - those who will provide technical support in their implementation and translation of materials into English / mother tongue.

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 between partners, small scale project materials, virtual cooperation, local project activities, promotion, dissemination and other similar activities not covered by other types of funding. A partnership may receive a maximum of 2750 EUR of 'Project Management and Implementation cost' per month

Organisation Role	Grant per organisation and per month	Number of Organisations	Grant
Applicant Organisation	500,00 EUR	1	12.000,00 EUR
Partner Organisation	250,00 EUR	3	18.000,00 EUR
Total		4	30.000,00 EUR

Erasmus+

Please provide detailed information about the project activities that you will carry out with the support of the grant requested under the item 'Project Management and Implementation'

The management team activity consists in ensuring project management at the strategic level and will have specific responsibilities for coordination, monitoring and evaluation. Our school will be responsible for effectively, efficiently and qualitatively implement the project.

The specific (A) PROJECT MANAGEMENT AND IMPLEMENTATION ACTIVITIES of the project will be:

A1. The project's operational management

A1.1. Monitoring technical & financial activities:

Obj: Continuous monitoring of activities carried out to implement the project. Supervise the staff's activity reports and the project's cash flow. Elaborate and transmit regular reimbursement requests and notification to the Erasmus+ agency. Evaluate the implementation process and adopt managerial decisions in order to increase the efficiency.

Output:

• Staff's activity reports

• Reimbursement requests

• Notifications to Erasmus+ agency

A1.2. Implementation of communication among partners

Obj: Implementation of a communication network able to insure a good exchange of information among partners. Organize the online Kick-off, mid-term and final meetings. Organize the project's results dissemination.

Output:

• Meet/Zoom project's staff meetings

• Project e-mail group

• Online Kick-off, Mid-term and Final partner's meetings

• Project's results dissemination, published e-book

A1.3. Conception and implementation of project's Visual Identity

Obj: Conception of the project's visual identity according to Erasmus+ Visual guide rules. Implementation of these established project's graphic regulations in all its activities.

Output:

• Project's Visual Identity Guide

• Project's promotional materials (leaflets, posters, activities' portfolio)

A1.4. Construction and maintenance of the website and social media pages

Obj: Construction of the project's website respecting the Visual identity Guide and reflecting the activities performed during project implementation. Construct project's pages in social media networks like Facebook, Twitter, etc. Insure the permanent feeding with up-to-date information for these Internet pages

Output:

• Project's website

• Project's Facebook page

A1.5. Project's promotion into the Target group

Obj: Promotion of project's activities, objectives and result to the teachers and students in the target group. Ensuring a good cooperation with the schools and local authorities involved in education.

Output:

• Public presentations of project's activities, objectives and results

• Co-operation protocols with other schools in each partner's area

A1.6. Project evaluation.

A2. Developing open educational resource(OER): "Cross-curricular analysis of TIME"

A2.1. Development of open educational resource

Obj: Develop online "Cross-curricular analysis of TIME" OER in English and partner's mother tongue. Upload all these groups of materials on a designed platform and test their functionality.

The OER evaluation should lead to some improvements and adaptations, thus the first uploaded version must be updated. Subsequently the translation of the lessons in Greek, Serbian and Romanian will be also uploaded and available on server.

Output:

• O1.TIME for LITERATURE and ART

• O2.TIME for MATHS and PHILOSOPHY

• O3.TIME for ROBOTICS and SCIENCE

• O4.TIME for STEM and HISTORY

A2.2. Study/analysis of the open educational resources impact in real life practice

Obj: Conception and implementation of an online survey able to determine the impact of the "Cross-curricular analysis of TIME". Find the way these courses assist teachers to teach efficiently and students to learn better.

Output:

• Online survey for the target group

• Survey results processed

A2.3. Attract and support students to take part in project's activities. Here we have in mind the development of small eTwinning projects, which approach TIME from various perspectives.

Obj: Attract students to participate at the creative activities in the project. Supervise and encourage them to involve in the teaching materials elaboration, testing and updating. Involve students ineTwinning projects linked to the "Cross-curricular analysis of TIME".

Output:

• Students' contribution to teaching materials

• Students' software contribution

A3. Testing of new didactic methods and tools for a cross-curricular efficient teaching

A3.1. Testing of new software useful in cross-curricular teaching (the digital Library)

Obj: Test new applications able to help teachers to make cross curricular courses more interactive and closer to practical examples in real-life.

Output:

• Functional OER available on project's website highlighting links between literature, math, art, philosophy, history, robots, science, stem.

A3.2. Publish a informative guide for educators with good practice examples in cross-curricular teaching and a short summary of the content of intellectual outputs.

A3.3. Facilitating recognition of skills acquired. Equivalence of the 10 ECTS credits into transferable professional credits, according to the legislation

Transnational Project Meetings

Transnational project meetings: how often do you plan to meet, who will participate in those meetings, where will they take place and what will be the goal?

Due to the global pandemic, we do not intend to have transnational meetings in physical format, only virtual interaction will be considered.
In normal times, this project requires 3 staff meetings: the first meeting, in the first month of the project.
Objective: getting to know the partners and fixing / clarifying each other's tasks, signing the partnerships. The objectives remain, but the meeting will take place online.
The second meeting, in the 12th month of the project.
Objective: evaluation of the activities performed, evaluation of the achieved objectives, analysis of possible non-achievements, fixing the remedial ways. It will be done online.
The third / last meeting takes place in the 23rd month of the project.
Objective: evaluation of the project, of the results, of the realized educational materials, establishing the best ways of exploiting the project results. We may consider further cooperation in a new project.
If the times of 2023 allow us, we will plan a meeting of the project staff, expenses that will be realized from the project management.

Transnational Project Meetings Summary

Please specify the funds requested to organise the planned Transnational Project Meetings.

ID	Leading Organisation	Meeting Title	Country of Venue	Starting Period	No. of Participants	Grant
Total					0	0,00 EUR

Project Management

How will you ensure proper budget control and time management in your project?

A good management and qualitative activities suppose a detailed planning of all the stages of the project, the provision of some risks and of the solutions for them, all those involved in the project will understand their tasks and deadlines.

The activity of the management team consists of ensuring the project management at strategic level and will have specific responsibilities for coordination, monitoring and evaluation.

C. D. Loga National College will be responsible for the efficient, effective and qualitative implementation of the project. As a project coordinator, our school will keep track of the overall budget control and time management, ensuring proper project coordination and taking responsibility for planning, administrative, cooperation and quality issues relevant to the project. These tasks will be performed by a member of the management team, with experience in transnational projects.

The school will be responsible for aspects related to project management at the operational level, its main tasks being to monitor the achievement of expected results within deadlines, will be responsible for the content of training materials, will ensure coordination of functional, operational and communicative aspects. The school will also ensure the financial management of the project and will have responsibilities regarding the financial provisions of the contract, identification of financial risks, preparation of financial reports and submission of appropriate financial records of the project. To ensure proper budget control and time management in our project , everything will be plan very carefully.

In particular, the tasks of coordinator will be the following ones:
• Setting of quality indicators for the whole duration of project
• Overall evaluation of the activities of project
• Periodic check about the financial situation of the project
• Discussion about reports on the quality of project activities and possible re-planning of project activities.

During the preparation stage of the project, a very attractive offer came, from West University of Timisoara, regarding their novel and successful postgraduate program for life long training in the field of digital resources use and online methodical and pedagogical aspects. Guaranteed by the University, the program is offering 10 ECTS credits and a certificate issued under the Romanian Ministry of Education marks. As mentioned by the coordinators of the program, there is enough time to rethink all materials to be presented in English language, such all teachers involved in the project can benefit from this collaboration. Information will be sent via the schools communication channels that a KA226 project has been submitted, and a selection will be opened for teachers who want to improve their digital skills.

After approval, a decision will be made at the level of all partner schools, related to the project management team. By mutual agreement, a contract between the coordinator and each partner will be signed with a clear tailor-made task description and milestones/deadlines according to the common timetable. All formal project documents will be uploaded on the internal on-line collaborative documentation tool, where they will be accessible to all partners.

-the expenditure budget will be planned;
- a project logo and dissemination materials will be conceived;
- a procedure for selecting teachers will be designed;
- a LEARNING CONTRACT will be conceived between the school and the direct beneficiary, through which the individual responsibility is intended, related to the training activity that is to be carried out, disseminated and applied by creating open educational resources;
- the dissemination and implementation plan will be conceived in detail;
- the monitoring and evaluation plan (DEOR) is conceived in detail;
- questionnaires are designed for monitoring and evaluation;
- the indicators correlated with the project objectives are defined, in order to measure the impact;
-UVT undertakes to issue a certificate at the end of the course, mentioning all the acquired competencies;
The partner schools will ensure that the European added value of the activities included in the project is transferred to their institutions through the dissemination plan.

Call 2020 Round 1 KA2 - Cooperation for innovation and the exchange of good practices

KA226 - Partnerships for Digital Education Readiness
Form ID: KA226-15B04CC5 Deadline (Brussels Time) 2020-10-29 12:00:00

How will the progress, quality and achievement of project activities be monitored? Please describe the qualitative and quantitative indicators you will use. Please give information about the involved staff, as well as the timing and frequency of the monitoring activities.

A monitoring and evaluation plan will be established at the beginning of the project. The plan will describe a strategy for the evaluation to be carried out within the project both internally and externally. In particular, the evaluation plan will describe the general approach, a timetable, target groups, a planning of the evaluation procedure, a risk register and the expected results.
Moise Nicoara National College is responsible for monitoring the project, creating specific indicators for monitoring.

For each objective of the project, 1-2 indicators will be defined, with the quality, quantity and time setting. We will use:
-resource indicators: the budget allocated to each activity in the project, partner, eligible expenses;
-performance indicators: referring to the project activities;
- result indicators: regarding the performances of the direct beneficiaries, the quality of the intellectual products;
- short and long term impact indicators: referring to the immediate or long term effects of the project on the beneficiaries, on the school and on the community.

Aspects targeted in monitoring:
Project implementation according to the approved Gantt chart
Carrying out activities and adequate use of resources
Adequate collection and storage of project documents
Quantity and quality of work performed by each team member / Cohesion and communication within the team.

Each team will appoint a monitoring supervisor and create their own monitoring plan in accordance with the overall monitoring plan created by the responsible school.
Internal evaluation
The internal evaluation will take into consideration the workflow and internal processes in the partnership. It will have precise milestones established with respect to the work plan in order to be able to monitor the progress (or the delays) of each milestone. Moise Nicoara National College will monitor each milestone every three months, assessing progression in terms of project outputs and will feedback the results in interim reports to the three other partners. This will help the partnership to stay "on track" during the whole project life time.
Elements of interim report will be:
• General progress, cooperation and communication.
• Observation of participation.
• Comparison of achievements with the work plan and time schedule.
• Effectiveness and impact of dissemination activities.
Also, external auditors will evaluate the project, according to legal rules. (if necessary)

In order to assess whether and to what extent the project reaches its objectives and results, the following activities and indicators of achievement (quantitative and qualitative) will put in place:
1.Testing the quality of the materials
• Count the number of teachers and students at own schools / other schools, as well as the number of teacher training trainees asking for platform account to test the material (aprox 100)

- grade statistics in each partner school, regarding both local and national exams, before and after the project
- Number of visits of project website
- Number of friends, likes and quality of comments about material on Facebook project page
- Evaluation questionnaires from all target groups
- Discussions with county inspectors

2. Testing the difference in motivation in schools

- How many students choose the positive and technology fields of study compared to period before project
- How many students and teachers login in the platform from home, doing the assignments

3. Testing the quality of the outcomes of the mini projects activity of teachers and students

- Evaluation questionnaires after each meeting
- Observation of enhanced communicative, ICT and cross curricular skills of students thanks to interactions with different schools and actors
- Observation of enrichment of didactic techniques for teachers of each school

4. Testing the interest of teacher training institutes

- How many teacher trainees take part in training events and virtual workshops
- Number of questionnaires submitted
- How many teacher trainees ask for platform account to test the cross curricular material

Project leaders of each partner will gather the above qualitative and quantitative measurements and they will provide these elements to Greek school, in order to be included in project report.

How will you evaluate to which extent the project reached its results and objectives? What indicators will you use to measure the quality of the project's results?

The project management team oversees the implementation of a project quality management plan. The following aspects will be followed:
-observance of the Gantt chart
-quality of activities and products
-costs
-satisfaction of the parties involved

The evaluation is a systematic and objective verification of the project. Thus, for an efficient evaluation, a plan will be drawn up that will verify:
-achievement of objectives,
-effectiveness of project activities,
-impact of the project.
Aspects covered in the evaluation:
-The quality of the activities carried out in the project
-Achieving project objectives
-Increasing the quality of the teaching / learning act, in the online environment
-Development of skills to use IT technology in teaching / learning
-Increasing the motivation for the cross-curricular study of various concepts and school success.
The tools used in the evaluation will be the thematic questionnaires.

During the project we provide 4 FOCUS GROUP evaluation activities, carried out online on Meet (G Suite for Education) with all partners.
These evaluations will take place every 6 months: August 2021, January 2022, June 2022, January 2023.
Each partner will present a report that will provide answers to the following questions:
- What visible effects did the "Time for digitalization" project produce in your school?
- Is there evidence of these effects?
- Are there changes or improvements in terms of digital and pedagogical skills of teachers?
- Were there lessons taught to students with a cross-curricular approach, following the theme of TIME?

1o GENIKO LYKEIO AIGIOU is responsible for the evaluation of the project. They will design a detailed evaluation plan with objectives, work tasks, responsibilities and deadlines and will create specific indicators for evaluation.
Indicators to measure the quality of the project's results:
- the percentage/school of teachers with online pedagogy skills developed in each partner school;
- the percentage/school of teachers with better digital skills and confidence in the use of modern technology;
- number of visitors on project website, number of good comments;
- number of user account for the OER library;
- diagram for positive response about results of satisfaction (survey for each activities);
- number of students who want to implicate in project activities;

- who are the people who were interested in the results of the project;
- how often information about the project appeared in the media;
- what are the observable changes among teachers, students, at school.

It was proposed to use resources from www.projectmanager.com, this is a high-performance, free software that can improve project management, the monitoring and evaluation.

What are your plans for handling risks which could happen during the project (e.g. delays, budget, conflicts, etc.)?

C. D. Loga National College as the project coordinator will assume the risks management during the project.

All the activities of the project, from the inception phase will have a "so-called - plan B".

An extremely rigorous and constant approach will be considered at all levels of the project, which lead to an effective control over the project activities and to the reduction of the risk factors.

At the beginning of the activities we will provide a brainstorming session with all partners, in order to identify possible risks in this project.

A risk matrix will be compiled: description of the identified risk factor, risk assessment, and approach strategy.

Possible risks: unjustified increase in purchase prices for materials and equipment involved in the project, risk of ineligible expenses, major changes in the exchange rate, difficulties in selecting participants, etc.

Given that all project activities are planned to take place online, the risks of not being able to take place are minimal. Technical faults may occur, which may delay the performance of an activity, but not its cancellation. We will provide in contracts longer terms, in order to eliminate such risks.

Any conflicts will be resolved amicably.

The withdrawal of a partner can be solved by replacing him, preparing all the documents required by the National Agency, in such situations.

The formal partnership agreement with each partner will be the basis of problem resolving. If a partner does not succeed to provide the aimed result, we will have to find out what the reason is and which measures can be taken to help the partner to solve the problems. If needed, aims can be adapted. The coordinator will have to mediate, look for compromises and foster dialogue between partners. Mutual trust and confidence in the final results are key success factors. There must be a sense of collective ownership towards the project results. In case conflicts insist, the coordinator will take action and make decisions in a democratic manner since all partners will have equal vote rights.

Implementation

Please explain how will the project activities lead to the achievement of the project objectives and delivery of the planned results.

Our aims are to attain experience in cross-curricular teaching, by using state of the art technology (e-learning software, digital educational platforms, etc.), thus educating students that everything they learn are parts of a whole. This way, we encourage critical and logical thinking and raise the students' interest in school subjects. In order to achieve this level of performance, it is of utmost importance to train our teachers to use and integrate technology in their courses and create an open source digital library containing cross-curricular lesson materials connected to the notion of Time, demonstrating how one notion can lead to a plethora of lessons within multiple subjects.

In the "TIME" project, we aimed for each objective to correspond to an activity and a group of results.

The project`s aims:

1. Developing 24 teachers' online teaching skills by participating at a certified training in digital methods of education, for 8 week, in 2021

2. Developing 24 teachers` digital competence (key- competence by European standards) by practicing original materials and teaching scenarios on "TIME" topic, during 24 months

3. Increasing and consolidating 400 student's digital competence and transcurricular vision by implicate in attractive international activities

4. Building of a digital library with open educational resources, based on the experiences developed in the collaboration between the four schools, focused on the co-curricular teaching of the concept of "TIME"

The main activities:

1. Teacher training. Participation of 24 teachers from the 4 partner schools in the courses offered by UVT (online): "Educational and digital resources for online training"

2. Good practice sharing. Teachers will inter-attendance, inter-assistance at lessons or educational activities, followed by the creation and testing of OER (the 4 Intellectual Outputs)

3. Cooperation between students. Students will develop 4 mini eTwinning projects, using new digital approach about TIME, in cross curricular learning

4. Creating a digital library with open educational content: "Cross-curricular analysis of TIME" which include 4 Intellectual Outputs. Digital formal/non formal teaching materials related to TIME

The project's outputs:

1. 24 teachers with improved digital and pedagogical skills and another 100 who were inspired to improve their teaching style

2. Transcurricular analysis of TIME: Four Intellectual Outputs: O1, O2, O3, O4. Project website and an informative brochure with the contents of the educational resources

3. 400 students who benefited from good quality education, interactive lessons, had the opportunity to develop their cross-curricular skills and to enlarge their vision of life. Four eTwinning projects

4. An Open Educational Library, which include 28 OER, made in an international collaboration: Digital formal/non-formal teaching materials related to TIME (videos, presentations, lessons plans etc.)

Activities per month:

M1. Project opening. Promotion activities. Kick-off staff meeting. Establishing tasks for each partner. Contracts

M2. Teacher training at UVT. Visual identity of project

M3. Teacher training at UVT. Website/platform. Monitoring survey

M4. Create the OER. Distribution of tasks within the team of I.O. creators

M5. Create the OER

M6. Create the OER. Uploading materials to the server. Monitoring survey. Focus Group

M7. Students are introduced to project activities. OER testing. Good practice sharing.

M8. Students participate in Debates on TIME and LITERATURE on Meet / Zoom. OER testing. Good practice sharing. Working on eTwinning project

M9. Good practice sharing. Students participate in Debates on TIME and ART on M/Z. OER testing. Good practice sharing. Working on eTwinning project

M10. Good practice sharing. Students participate in Debates on TIME and MATH on M/Z. OER testing. Good practice sharing. Working on eTwinning project

M11. Students participate in Debates on TIME and PHILOSOPHY on M/Z. OER testing. Working on eTwinning project. Monitoring survey. FG.

M12. Students participate in Debates on TIME and ROBOTICS on M/Z. OER testing. Working on eTwinning project. Mid-term staff meeting

M13. Students part. in Debates on TIME and SCIENCE on M/Z. OER testing. Working on eTwinning project

M14. Students part. in Debates on TIME and STEM on M/Z. OER testing. Working on eTwinning project

M15. Students part. in Debates on TIME and HISTORY on M/Z. OER testing. Working on eTwinning project

M16. Completion of eTwinning projects. OER testing. Monitoring survey. FG.

M17. Feedback. Eval. and monitoring reports

M18. Improving OER materials

M19. Improving OER materials.Translation of materials. Upload of materials

M20. Improving OER materials

M21.Improving OER materials. Translation of materials. Upload of materials

M22. Creation, organization of the OE library

M23. Library testing. Preparation of final reports. Final staff meeting. FG.

M24. Dissemination activities. Activities to support sustainability

How will you communicate and cooperate with your partners?

The communication with the partners will be done via email and real time meetings by Google. The project documentation will be held on the Google Drive platform and will be available for all partners.

Online communication

We plan online monthly videoconferences between local project leaders for review of the progress and discussion of general implementation issues. Agenda of the meetings will be sent one week prior to the session by general coordinator (Romanian project leader) and minutes will be drawn of each session. To ensure frequent work-progress monitoring, check quality of results, manage risk and variations from original work-planning additional videoconferences will be held when needed. Meet/Zoom videoconference platform allows easy recording of the videoconferences. The recordings will be shared to partners via We Transfer online service. Project leaders will also be in regular email contact.

For internal use, we will use Google Drive online collaborative document service with the following folders:

1) Management: contracts, all documents used for preparation, minutes of meetings, formats for reports and presentations.

2) Results. Each result will have its own folder. All leading partners will post updates of the work in progress.

3) Dissemination: a format for dissemination plan to be filled in for each completed activity.

4) Financial manual: all financial information will be available to ensure the transparency to all partners.

5) Evaluation: Quality assurance of the work, with internal evaluation activities planned, frequency, tools for evaluation of work in progress and of the final results.

Romanian school (leading partner in dissemination) will develop a project website. The website will show the project description, the activities planned, description of the partnership, news, results with downloadable materials and work progress. Each school will put on its own website, a link to the web page of the project.

The communication will also include activities to inform and promote the project and increase the visibility of its results, with partners, media and stakeholders.

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

The Erasmus + Project Results Platform will be used to disseminate the project results.

We plan to develop 4 mini eTwinning projects on TIME, with cross-curricular approaches. Each project will be related to an intellectual output of this project.

We will use EPALE to upload videos and information as an additional dissemination opportunity.

All created materials will be uploaded on a open access platform designed for the project.

Moreover, these platforms will lead to a more visibility of the projects objectives and can serve to reach the main results.

Intellectual Outputs

Do you plan to include Intellectual Outputs in your project?

Yes

In case you plan to include Intellectual Outputs please describe them here.

Intellectual Outputs Summary

ID	Leading Organisation	Output Title	Starting Period	Grant
O1	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Transcuricular analysis of TIME: TIME for LITERATURE and ART	06-2021	12.420,00 EUR
O2	Colegiul National "Moise Nicoara" (E10134027, RO)	Transcuricular analysis of TIME: TIME for MATHS and PHILOSOPHY	06-2021	12.420,00 EUR
O3	1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Transcuricular analysis of TIME: TIME for ROBOTICS and SCIENCE	06-2021	13.830,00 EUR
O4	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Transcuricular analysis of TIME: TIME for STEM and HISTORY	06-2021	12.420,00 EUR
Total				51.090,00 EUR

Output Title O1

Output Title	Transcuricular analysis of TIME: TIME for LITERATURE and ART
Output Type	Open / online / digital education – Open Education Resource (OER)
Start Date (yyyy-mm-dd)	2021-06-01
End Date (yyyy-mm-dd)	2022-11-30

Output Description (including: needs analysis, target groups, elements of innovation, expected impact and transferability potential)

While several pilot initiatives are actually taking place in order to increase the interest and performance of the young students in cross-curricular learning, it is important to point out that there is still a lack of a systematic approach to the issue especially in the southern part of Europe. The traditional theoretical didactic approach applied for all the subjects in schools (i.e. passive transmission-acceptance of knowledge from teacher to students), having as primary source of information the teacher as well as books has proven incomprehensible for a large number of students and insufficient for both cognitive concepts and other critical skills (like team work, problem solving, analytical-synthetical-critical thinking, creativity and communication).

The problem faced by our students the is the lack of abilities to apply the learned theory in a particular matter in solving practical problems encountered in another field or even in real life.

They have no experience in transdisciplinarity and nor have access to activities that encourage this. The mathematical theory, physics, chemistry is taught, but students do not realize how they can use it in other subjects.

Like we mentioned, our objective is to offer to our students the opportunity to develop new transformative competences and to improve their visions, which contribute to the navigation across a wide range of situations and to the insertion on the labor market.

Target groups: 11th grade students from the 4 partner schools, with approximately 100 students/school, but we address to all students between 14-19 years old and teachers who want to introduce elements of transdisciplinarity in their lessons.

Elements of innovation: Introduction of the concept of TIME in transdisciplinary teaching is completely new. Even the transdisciplinary approach is new in ours countries. There is a lot of talk about this, but there are no educational materials in this area.

We expect that our intellectual product be very interesting and attractive and have an impact on all students of the school and want (to choose) that in the next year of the project to introduce an optional course about TIME.

TIME for LITERATURE and ART: Time implies change and movement; movement implies the passage of time.

We have a lot of original ideas to address the concept of TIME - subjects for debate, subjects that can be analyzed in terms of a theoretical subjects: The Personification of Time - Cronos; Sacred/ profane time; The time of creation (Genesis); Bifurcation of time: before and after the Birth of Christ; Fasting - the time of asceticism, silence /restraint; The afterlife (life after death); Messengers of fatal time (signs that foretell death); Time in church iconography; Aging Time / its regeneration (Saint George/Saint Nicholas Christmas); Golden Age in painting, The Clock - 24 hr photomontage of films; Today - exhibition; the poem: "Time, Real and Imaginary" - by Samuel Taylor Coleridgeand -English writer, and the list can go on.

Discussions on a topic bring clarity in thinking, form the ability to be critical, open new visions. The teacher's role is to provoke these discussions, then to capitalize on them in an interactive educational material, so that they can be used by other teachers, or at least to inspire new approaches.

The designed educational materials will be verified from a qualitative point of view by Moise Nicoara College (responsible in this field).

C.D. Loga National College involves a computer scientist in the project to ensure that all materials are technically and digitally functional, loaded correctly on a designated platform and can be found with any browser. All materials will be organized in a open digital Library, and available in all languages of the project.

English teachers from the 4 schools will be responsible for the correct translation into the mother tongues of all materials.

The library will be freely accessible from any corner of the world and can be the basis of a course in a cross-curricular discipline.

All partners have agreed to open licensing models.

Please describe the division of work, the tasks leading to the production of the intellectual output and the applied methodology

Transcuricular analysis of TIME: TIME for LITERATURE and ART is an intellectual output for which the National College C D Loga is responsible for its realization. To create and test the materials will involve:

4 teachers, a translator teacher and a computer technician.

Each teacher will have the task of creating an educational material from the portfolio for which his school is responsible

and a material that will be delivered to one of the partners.

So, in TIME for LITERATURE and ART will be four materials created by the school teachers and three materials created by the partners.

The workload for creating materials is 60 hours = 7.5 days, distributed over the months M4, M5, M6 of the project (20 hours / month = 5 hours / week = 1h / day)

In the next 10 months of the project, from M7 to M16, ie from September 2021 to June 2022, the materials will be tested in class.

Each of the 4 teachers will choose a class where they teach and will involve it in the project, with the written consent of each student and parent. We estimate the involvement of 100 students / school.

This period represents a whole school year and we will work for the project 2h / week: 1 h for testing our own material and 1 h for testing a material of the partners.

Also during this period we will involve students in eTwinning mini-projects, creating the framework for students to get to know each other, even virtually, and to have an exchange of ideas on the proposed topics.

In the 10 months there are 80 hours = 10 days. (8h / month = 2h / week)

The next 5 months, 100 hours = 12.5 days, ie 1 hour / day are dedicated to improv educational materials, sending feedback to partners, outlining the final form of OER, translating materials, writing the informative brochure, uploading materials on the dedicated platform, organizing them in a accessible library from anywhere, with a friendly interface and easy to use.

(7,5 days creating + 10 days testing + 12,5 days finalizing = 30 days)

As a working methodology for the development of OER, we will adopt

the folowing Timetable

Phase 1: Design: M1, M2, M3

Phase 2: Upload material in a designed platform / server: M3

Phase 3: Test: M7 - M16

Phase 4: Evaluate & adapt: M17, M18

Phase 5: Update the materials on platform / server: M19

Phase 6: Translate others 'material in native language: M20

Phase 7: Finalize - Ready to be used on a larger scale: M21

Our school will take the responsibility of collecting, organizing and uploading all material produced so far on the project website and design the digital open Library: M22, M23

For a better understanding of the distribution of tasks, see the document "Schedule of tasks" (Grafic repartizare sarcini), uploaded in the Annexes.

Leading Organisation	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)

Media	
	Website Interactive Resource
Participating Organisations	1o GENIKO LYKEIO AIGIOU (E10151253, GR) Colegiul National "Moise Nicoara" (E10134027, RO) Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)
Languages	English Greek Romanian Serbian

Intellectual Output Budget

Please specify the staff resources which you need to produce the Intellectual Output.

Id	Organisation	Managers	Teachers/Trainers/Researchers	Technicians	Administrative Support Staff	Grant
1	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	0,00 EUR	2.220,00 EUR	1.650,00 EUR	0,00 EUR	3.870,00 EUR
2	1o GENIKO LYKEIO AIGIOU (E10151253, GR)	0,00 EUR	4.110,00 EUR	0,00 EUR	0,00 EUR	4.110,00 EUR
3	Colegiul National "Moise Nicoara" (E10134027, RO)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
4	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
Total		0,00 EUR	10.770,00 EUR	1.650,00 EUR	0,00 EUR	12.420,00 EUR

Intellectual Output Budget Details E10090229

Organisation	Country of the Organisation
Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	30	0	60
Grant per Day	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	1.650,00 EUR	0,00 EUR	3.870,00 EUR

Intellectual Output Budget Details E10151253

Organisation	Country of the Organisation
1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	4.110,00 EUR	0,00 EUR	0,00 EUR	4.110,00 EUR

Intellectual Output Budget Details E10134027

Organisation	Country of the Organisation
Colegiul National "Moise Nicoara" (E10134027, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Intellectual Output Budget Details E10059889

Organisation	Country of the Organisation
Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Serbia

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Output Title O2

Call 2020 Round 1 KA2 - Cooperation for innovation and the exchange of good practices

KA226 - Partnerships for Digital Education Readiness
Form ID: KA226-15B04CC5 Deadline (Brussels Time) 2020-10-29 12:00:00

Output Title	Transcuricular analysis of TIME: TIME for MATHS and PHILOSOPHY
Output Type	Open / online / digital education – Open Education Resource (OER)
Start Date (yyyy-mm-dd)	2021-06-01
End Date (yyyy-mm-dd)	2022-11-30

Output Description (including: needs analysis, target groups, elements of innovation, expected impact and transferability potential)

While several pilot initiatives are actually taking place in order to increase the interest and performance of the young students in cross-curricular learning, it is important to point out that there is still a lack of a systematic approach to the issue especially in the southern part of Europe. The traditional theoretical didactic approach applied for all the subjects in schools (i.e. passive transmission-acceptance of knowledge from teacher to students), having as primary source of information the teacher as well as books has proven incomprehensible for a large number of students and insufficient for both cognitive concepts and other critical skills (like team work, problem solving, analytical-synthetical-critical thinking, creativity and communication).

The problem faced by our students the is the lack of abilities to apply the learned theory in a particular matter in solving practical problems encountered in another field or even in real life.

They have no experience in transdisciplinarity and nor have access to activities that encourage this. The mathematical theory, physics, chemistry is taught, but students do not realize how they can use it in other subjects.

Like we mentioned, our objective is to offer to our students the opportunity to develop new transformative competences and to improve their visions, which contribute to the navigation across a wide range of situations and to the insertion on the labor market.

Target groups: 11th grade students from the 4 partner schools, with approximately 100 students/school, but we address to all students between 14-19 years old and teachers who want to introduce elements of transdisciplinarity in their lessons.

Elements of innovation: Introduction of the concept of TIME in transdisciplinary teaching is completely new. Even the transdisciplinary approach is new in ours countries. There is a lot of talk about this, but there are no educational materials in this area.

We expect that our intellectual product be very interesting and attractive and have an impact on all students of the school and want (to choose) that in the next year of the project to introduce an optional course about TIME.

TIME for MATHS and PHILOSOPHY: Time implies change and movement; movement implies the passage of time.

We have a lot of original ideas to address the concept of TIME - subjects for debate, subjects that can be analyzed in terms of a theoretical subjects: The Topology of Time; Direction of time; The 3D/4D Controversy; The First Time /The Last Time (End of the Ages - The Last Judgment); Bad clocks (the three bad clocks; night time / midnight); times in math symbol; Personifications of time; good / bad days / Tuesday-Evening, Good Friday, Wednesday; Months of the year; The popular calendar and the rhythms of nature; Social time - corrupt / vitiated (totalitarian regimes);Math Clock ; Philosophy of space and time; Remembrance time (commemoration - political imprisonment, Nazism etc.); Philosophers of time; Presentism, Eternalism, and The Growing Universe Theory, and the list can go on.

Discussions on a topic bring clarity in thinking, form the ability to be critical, open new visions. The teacher's role is to provoke these discussions, then to capitalize on them in an interactive educational material, so that they can be used by other teachers, or at least to inspire new approaches.

The designed educational materials will be verified from a qualitative point of view by Moise Nicoara College (responsible in this field).

M Nicoara National College involves a computer scientist in the project to ensure that all materials are technically and digitally functional, loaded correctly on a designated platform and

can be found with any browser. All materials will be organized in a open digital Library, and available in all languages of the project.

English teachers from the 4 schools will be responsible for the correct translation into the mother tongues of all materials.

The library will be freely accessible from any corner of the world and can be the basis of a course in a cross-curricular discipline.

All partners have agreed to open licensing models.

Please describe the division of work, the tasks leading to the production of the intellectual output and the applied methodology

Transcuricular analysis of TIME: TIME for MATHS and PHILOSOPHY is an intellectual output for which the National College Moise Nicoara Arad a is responsible for its realization. To create and test the materials will involve:

4 teachers, a translator teacher and a computer technician.

Each teacher will have the task of creating an educational material from the portfolio for which his school is responsible and a material what will be delivered to one of the partners.

So, in TIME for MATHS and PHILOSOPHY will be four materials created by the school teachers and three materials created by the partners.

The workload for creating materials is 60 hours = 7.5 days, distributed over the months M4, M5, M6 of the project (20 hours / month = 5 hours / week = 1h / day)

In the next 10 months of the project, from M7 to M16, ie from September 2021 to June 2022, the materials will be tested in class.

Each of the 4 teachers will choose a class where they teach and will involve it in the project, with the written consent of each student and parent. We estimate the involvement of 100 students / school.

This period represents a whole school year and we will work for the project 2h / week: 1 h for testing our own material and 1 h for testing a material of the partners.

Also during this period we will involve students in eTwinning mini-projects, creating the framework for students to get to know each other, even virtually, and to have an exchange of ideas on the proposed topics.

In the 10 months there are 80 hours = 10 days. (8h / month = 2h / week)

The next 5 months, 100 hours = 12.5 days, ie 1 hour / day are dedicated to improv educational materials, sending feedback to partners, outlining the final form of OER, translating materials, writing the informative brochure, uploading materials on the dedicated platform, organizing them in a accessible library from anywhere, with a friendly interface and easy to use.

(7,5 days creating + 10 days testing + 12,5 days finalizing = 30 days)

As a working methodology for the development of OER, we will adopt

the folowing Timetable

Phase 1: Design: M1, M2, M3

Phase 2: Upload material in a designed platform / server: M3

Phase 3: Test: M7 - M16

Phase 4: Evaluate & adapt: M17, M18

Phase 5: Update the materials on platform / server: M19

Phase 6: Translate others 'material in native language: M20

Phase 7: Finalize - Ready to be used on a larger scale: M21

Our school will take the responsibility of collecting, organizing and uploading all material produced so far on the project website and design the digital open Library: M22, M23

For a better understanding of the distribution of tasks, see the document "Schedule of tasks", uploaded in the Annexes.

| Leading Organisation | Colegiul National "Moise Nicoara" (E10134027, RO) |

Media	Website Interactive Resource
Participating Organisations	1o GENIKO LYKEIO AIGIOU (E10151253, GR) Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO) Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)
Languages	English Romanian Serbian Greek

Intellectual Output Budget

Please specify the staff resources which you need to produce the Intellectual Output.

Id	Organisation	Managers	Teachers/Trainers/Researchers	Technicians	Administrative Support Staff	Grant
1	Colegiul National "Moise Nicoara" (E10134027, RO)	0,00 EUR	2.220,00 EUR	1.650,00 EUR	0,00 EUR	3.870,00 EUR
2	1o GENIKO LYKEIO AIGIOU (E10151253, GR)	0,00 EUR	4.110,00 EUR	0,00 EUR	0,00 EUR	4.110,00 EUR
3	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
4	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
Total		0,00 EUR	10.770,00 EUR	1.650,00 EUR	0,00 EUR	12.420,00 EUR

Intellectual Output Budget Details E10134027

Organisation	Country of the Organisation
Colegiul National "Moise Nicoara" (E10134027, RO)	Romania

Erasmus+

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	30	0	60
Grant per Day	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	1.650,00 EUR	0,00 EUR	3.870,00 EUR

Intellectual Output Budget Details E10151253

Organisation	Country of the Organisation
1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	4.110,00 EUR	0,00 EUR	0,00 EUR	4.110,00 EUR

Intellectual Output Budget Details E10090229

Organisation	Country of the Organisation
Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Intellectual Output Budget Details E10059889

Organisation	Country of the Organisation
Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Serbia

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Output Title O3

Output Title	Transcuricular analysis of TIME: TIME for ROBOTICS and SCIENCE
Output Type	Open / online / digital education – Open Education Resource (OER)
Start Date (yyyy-mm-dd)	2021-06-01
End Date (yyyy-mm-dd)	2022-11-30

Output Description (including: needs analysis, target groups, elements of innovation, expected impact and transferability potential)

While several pilot initiatives are actually taking place in order to increase the interest and performance of the young students in cross-curricular learning, it is important to point out that there is still a lack of a systematic approach to the issue especially in the southern part of Europe. The traditional theoretical didactic approach applied for all the subjects in schools (i.e. passive transmission-acceptance of knowledge from teacher to students), having as primary source of information the teacher as well as books has proven incomprehensible for a large number of students and insufficient for both cognitive concepts and other critical skills (like team work, problem solving, analytical-synthetical-critical thinking, creativity and communication).

The problem faced by our students the is the lack of abilities to apply the learned theory in a particular matter in solving practical problems encountered in another field or even in real life.

They have no experience in transdisciplinarity and nor have access to activities that encourage this. The mathematical theory, physics, chemistry is taught, but students do not realize how they can use it in other subjects.

Like we mentioned, our objective is to offer to our students the opportunity to develop new transformative competences and to improve their visions, which contribute to the navigation across a wide range of situations and to the insertion on the labor market.

Target groups: 11th grade students from the 4 partner schools, with approximately 100 students/school, but we address to all students between 14-19 years old and teachers who want to introduce elements of transdisciplinarity in their lessons.

Elements of innovation: Introduction of the concept of TIME in transdisciplinary teaching is completely new. Even the transdisciplinary approach is new in ours countries. There is a lot of talk about this, but there are no educational materials in this area.

We expect that our intellectual product be very interesting and attractive and have an impact on all students of the school and want (to choose) that in the next year of the project to introduce an optional course about TIME.

TIME for ROBOTICS and SCIENCE: Time in physics is defined by its measurement, time is what a clock reads. In classical, non-relativistic physics, it is a scalar quantity and, like length, mass, and charge, is usually described as a fundamental quantity. The history of robotics has its origins in the ancient world.

We have a lot of original ideas to address the concept of TIME - subjects for debate, subjects that can be analyzed in terms of a theoretical subjects: Time measurement (objective / subjective time); Cyclicity of time (ritual remembrance); The phenomenon of teleportation (returns in time; time tunnel); Time (the notion of time in phraseology; forms of greeting that include the notion of time); Ritual dishes (strictly adapted to the holiday season); Daylight saving time / winter time; Dilation / contracting of time (fairy tale world); The passage of time (human ages); Harvest time; Real time; Time as a succession of generations; Structure of space-time; Flow of time; Relativity of simultaneity; Absolutism and relationalism; The illusion of time - Andrew Jaffe probes Carlo Rovelli's study arguing that physics deconstructs our sense of time, and the list can go on.

Discussions on a topic bring clarity in thinking, form the ability to be critical, open new visions. The teacher's role is to provoke these discussions, then to capitalize on them in an interactive educational material, so that they can be used by other teachers, or at least to inspire new approaches.

The designed educational materials will be verified from a qualitative point of view by Moise Nicoara College (responsible in this field).

1o GENIKO LYKEIO AIGIOU involves a computer scientist in the project to ensure that all materials are technically and digitally functional, loaded correctly on a designated platform and can be found with any browser. All materials will be organized in a open digital Library, and available in all languages of the project.

English teachers from the 4 schools will be responsible for the correct translation into the mother tongues of all materials.

The library will be freely accessible from any corner of the world and can be the basis of a course in a cross-curricular discipline.

All partners have agreed to open licensing models.

Please describe the division of work, the tasks leading to the production of the intellectual output and the applied methodology

Transcuricular analysis of TIME: TIME for ROBOTICS and SCIENCE is an intellectual output for which 1o GENIKO LYKEIO AIGIOU is responsible for its realization. To create and test the materials will involve:

4 teachers, a translator teacher and a computer technician.

Each teacher will have the task of creating an educational material from the portfolio for which his school is responsible and a material that will be delivered to one of the partners.

So, in TIME for ROBOTICS and SCIENCE will be four materials created by the school teachers and three materials created by the partners.

The workload for creating materials is 60 hours = 7.5 days, distributed over the months M4, M5, M6 of the project (20 hours / month = 5 hours / week = 1h / day)

In the next 10 months of the project, from M7 to M16, ie from September 2021 to June 2022, the materials will be tested in class.

Each of the 4 teachers will choose a class where they teach and will involve it in the project, with the written consent of each student and parent. We estimate the involvement of 100 students / school.

This period represents a whole school year and we will work for the project 2h / week: 1 h for testing our own material and 1 h for testing a material of the partners.

Also during this period we will involve students in eTwinning mini-projects, creating the framework for students to get to know each other, even virtually, and to have an exchange of ideas on the proposed topics.

In the 10 months there are 80 hours = 10 days. (8h / month = 2h / week)

The next 5 months, 100 hours = 12.5 days, ie 1 hour / day are dedicated to improv educational materials, sending feedback to partners, outlining the final form of OER, translating materials, writing the informative brochure, uploading materials on the dedicated platform, organizing them in a accessible library from anywhere, with a friendly interface and easy to use.

(7,5 days creating + 10 days testing + 12,5 days finalizing = 30 days)

As a working methodology for the development of OER, we will adopt
the following Timetable

Phase 1: Design: M1, M2, M3

Phase 2: Upload material in a designed platform / server: M3

Phase 3: Test: M7 - M16

Phase 4: Evaluate & adapt: M17, M18

Phase 5: Update the materials on platform / server: M19

Phase 6: Translate others 'material in native language: M20

Phase 7: Finalize - Ready to be used on a larger scale: M21

Our school will take the responsibility of collecting, organizing and uploading all material produced so far on the project website and design the digital open Library: M22, M23

For a better understanding of the distribution of tasks, see the document "Schedule of tasks", uploaded in the Annexes.

Leading Organisation	1o GENIKO LYKEIO AIGIOU (E10151253, GR)
Media	Interactive Resource Website
Participating Organisations	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO) Colegiul National "Moise Nicoara" (E10134027, RO) Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)
Languages	English Greek Romanian Serbian

Intellectual Output Budget

Please specify the staff resources which you need to produce the Intellectual Output.

Erasmus+

Id	Organisation	Managers	Teachers/Trainers/Researchers	Technicians	Administrative Support Staff	Grant
1	1o GENIKO LYKEIO AIGIOU (E10151253, GR)	0,00 EUR	4.110,00 EUR	3.060,00 EUR	0,00 EUR	7.170,00 EUR
2	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
3	Colegiul National "Moise Nicoara" (E10134027, RO)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
4	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
Total		0,00 EUR	10.770,00 EUR	3.060,00 EUR	0,00 EUR	13.830,00 EUR

Intellectual Output Budget Details E10151253

Organisation	Country of the Organisation
1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	30	0	60
Grant per Day	0,00 EUR	137,00 EUR	102,00 EUR	0,00 EUR	
Grant	0,00 EUR	4.110,00 EUR	3.060,00 EUR	0,00 EUR	7.170,00 EUR

Intellectual Output Budget Details E10090229

Organisation	Country of the Organisation
Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Intellectual Output Budget Details E10134027

Organisation	Country of the Organisation
Colegiul National "Moise Nicoara" (E10134027, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Intellectual Output Budget Details E10059889

Organisation	Country of the Organisation
Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Serbia

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Output Title O4

Output Title	Transcuricular analysis of TIME: TIME for STEM and HISTORY
Output Type	Open / online / digital education – Open Education Resource (OER)
Start Date (yyyy-mm-dd)	2021-06-01
End Date (yyyy-mm-dd)	2022-11-30

Output Description (including: needs analysis, target groups, elements of innovation, expected impact and transferability potential)

While several pilot initiatives are actually taking place in order to increase the interest and performance of the young students in cross-curricular learning, it is important to point out that there is still a lack of a systematic approach to the issue especially in the southern part of Europe. The traditional theoretical didactic approach applied for all the subjects in schools (i.e. passive transmission-acceptance of knowledge from teacher to students), having as primary source of information the teacher as well as books has proven incomprehensible for a large number of students and insufficient for both cognitive concepts and other critical skills (like team work, problem solving, analytical-synthetical-critical thinking, creativity and communication).

The problem faced by our students the is the lack of abilities to apply the learned theory in a particular matter in solving practical problems encountered in another field or even in real life.

They have no experience in transdisciplinarity and nor have access to activities that encourage this. The mathematical theory, physics, chemistry is taught, but students do not realize how they can use it in other subjects.

Like we mentioned, our objective is to offer to our students the opportunity to develop new transformative competences and to improve their visions, which contribute to the navigation across a wide range of situations and to the insertion on the labor market.

Target groups: 11th grade students from the 4 partner schools, with approximately 100 students/school, but we address to all students between 14-19 years old and teachers who want to introduce elements of transdisciplinarity in their lessons.

Elements of innovation: Introduction of the concept of TIME in transdisciplinary teaching is completely new. Even the transdisciplinary approach is new in ours countries. There is a lot of talk about this, but there are no educational materials in this area.

We expect that our intellectual product be very interesting and attractive and have an impact on all students of the school and want (to choose) that in the next year of the project to introduce an optional course about TIME.

TIME for STEM and HISTORY: Time implies change and movement; movement implies the passage of time.

We have a lot of original ideas to address the concept of TIME - subjects for debate, subjects that can be analyzed in terms of a theoretical subjects: Duration, evolution, growth; calendars, time measurements; ephemerality, repeatability; flow of time; weather; mythical duration, sacred time, profane time; interior/exterior time; elastic time, dilation and contraction of time; historical time; the birth of time; eschatology; story time; retrospection; the STEM Time; Timeline; eras in history; prehistoric time periods; and the list can go on.

Discussions on a topic bring clarity in thinking, form the ability to be critical, open new visions. The teacher's role is to provoke these discussions, then to capitalize on them in an interactive educational material, so that they can be used by other teachers, or at least to inspire new approaches.

The designed educational materials will be verified from a qualitative point of view by Moise Nicoara College (responsible in this field).

Gimnazija Jovan Jovanovic Zmaj involves a computer scientist in the project to ensure that all materials are technically and digitally functional, loaded correctly on a designated platform and can be found with any browser. All materials will be organized in a open digital Library, and available in all languages of the project.

English teachers from the 4 schools will be responsible for the correct translation into the mother tongues of all materials.

As a working methodology for the development of OER, we will adopt the following Timetable

Phase 1: Design: M1, M2, M3

Phase 2: Upload material in a designed platform / server: M3

Phase 3: Test: M7 - M16

Phase 4: Evaluate & adapt: M17, M18

Phase 5: Update the materials on platform / server: M19

Phase 6: Translate others 'material in native language: M20

Phase 7: Finalize - Ready to be used on a larger scale: M21

Our school will take the responsibility of collecting, organizing and uploading all material produced so far on the project website and design the digital open Library: M22, M23

For a better understanding of the distribution of tasks, see the document "Schedule of tasks", uploaded in the Annexes.

All partners have agreed to open licensing models.

Please describe the division of work, the tasks leading to the production of the intellectual output and the applied methodology

Transcuricular analysis of TIME: TIME for STEM and HISTORY is an intellectual output for which the Gimnazija Jovan Jovanovic Zmaj is responsible for its realization. To create and test the materials will involve:

4 teachers, a translator teacher and a computer technician.

Each teacher will have the task of creating an educational material from the portfolio for which his school is responsible

and a material that will be delivered to one of the partners.

So, in TIME for STEM and HISTORY will be four materials created by the school teachers and three materials created by the partners.

The workload for creating materials is 60 hours = 7.5 days, distributed over the months M4, M5, M6 of the project (20 hours / month = 5 hours / week = 1h / day)

In the next 10 months of the project, from M7 to M16, ie from September 2021 to June 2022, the materials will be tested in class.

Each of the 4 teachers will choose a class where they teach and will involve it in the project, with the written consent of each student and parent. We estimate the involvement of 100 students / school.

This period represents a whole school year and we will work for the project 2h / week: 1 h for testing our own material and 1 h for testing a material of the partners.

Also during this period we will involve students in eTwinning mini-projects, creating the framework for students to get to know each other, even virtually, and to have an exchange of ideas on the proposed topics.

In the 10 months there are 80 hours = 10 days. (8h / month = 2h / week)

The next 5 months, 100 hours = 12.5 days, ie 1 hour / day are dedicated to improv educational materials, sending feedback to partners, outlining the final form of OER, translating materials, writing the informative brochure, uploading materials on the dedicated platform, organizing them in a accessible library from anywhere, with a friendly interface and easy to use.

(7,5 days creating + 10 days testing + 12,5 days finalizing = 30 days)

For a better understanding of the distribution of tasks, see the document "Schedule of tasks", uploaded in the Annexes.

Leading Organisation	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)
Media	Website

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Participating Organisations	Interactive Resource 1o GENIKO LYKEIO AIGIOU (E10151253, GR) Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO) Colegiul National "Moise Nicoara" (E10134027, RO)
Languages	English Romanian Serbian Greek

Intellectual Output Budget

Please specify the staff resources which you need to produce the Intellectual Output.

Id	Organisation	Managers	Teachers/Trainers/Researchers	Technicians	Administrative Support Staff	Grant
1	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	0,00 EUR	2.220,00 EUR	1.650,00 EUR	0,00 EUR	3.870,00 EUR
2	1o GENIKO LYKEIO AIGIOU (E10151253, GR)	0,00 EUR	4.110,00 EUR	0,00 EUR	0,00 EUR	4.110,00 EUR
3	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
4	Colegiul National "Moise Nicoara" (E10134027, RO)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
Total		0,00 EUR	10.770,00 EUR	1.650,00 EUR	0,00 EUR	12.420,00 EUR

Intellectual Output Budget Details E10059889

Organisation	Country of the Organisation
Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Serbia

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	30	0	60
Grant per Day	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	1.650,00 EUR	0,00 EUR	3.870,00 EUR

Intellectual Output Budget Details E10151253

Organisation	Country of the Organisation
1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	4.110,00 EUR	0,00 EUR	0,00 EUR	4.110,00 EUR

Intellectual Output Budget Details E10090229

Organisation	Country of the Organisation
Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Intellectual Output Budget Details E10134027

Organisation	Country of the Organisation
Colegiul National "Moise Nicoara" (E10134027, RO)	Romania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	0	0	30
Grant per Day	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR

Multiplier Events

Do you plan to include Multiplier Events in your project?

No

Learning, Teaching, Training Activities

Do you plan to include transnational Learning, Teaching or Training activities in your project?

No

Activities Summary

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

ID	Organisation	Country of the Organisation	No. of Participants With Special Needs	Description and Justification	Requested Grant
Total					0,00 EUR

Exceptional Costs

ID	Organisation	Country of the Organisation	Description and Justification	Requested Grant (75% of Expected real cost)
1	Colegiul National "Constantin Diaconovici Loga" Timisoara (E10090229, RO)	Romania	6 teachers from the "Constantin Diaconovici Loga" National College will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional development entitled	1.485,00 EUR
Total				5.940,00 EUR

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ID	Organisation	Country of the Organisation	Description and Justification	Requested Grant (75% of Expected real cost)
			"Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	
2	1o GENIKO LYKEIO AIGIOU (E10151253, GR)	Greece	6 teachers from 1o GENIKO LYKEIO AIGIOU will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	1.485,00 EUR
3	Colegiul National "Moise Nicoara" (E10134027, RO)	Romania	6 teachers from the National College Moise Nicoara will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional	1.485,00 EUR
Total				5.940,00 EUR

Erasmus+

ID	Organisation	Country of the Organisation	Description and Justification	Requested Grant (75% of Expected real cost)
			development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	
4	Gimnazija Jovan Jovanovic Zmaj (E10059889, RS)	Serbia	6 teachers from the Gymnasium "Jovan Jovanović Zmaj" will receive financial support from this project's grant in order to participate in the postgraduate study program of training and continuous professional development entitled "Educational and digital resources for online training". The requested amount is necessary to cover 75% of the tuition fee (estimated at 300 EUR/person) and taxes (estimated at 30 EUR/person) for this training program offered by West University of Timisoara, Romania. Further details can be found on the web-page: https://admitere.uvt.ro/program/resurse-educationale-si-digitale-pentru-instruire-online.	1.485,00 EUR
Total				5.940,00 EUR

Follow-up

Impact

What is the expected impact on the participants, participating organisations, target groups and other relevant stakeholders?

Each outcome proposed in the project aims at a certain impact:
1. Increasing the quality of education and professional training of teachers, combining higher levels of excellence in teaching and attractiveness of teacher's profession.
2. Education systems of partner countries to be better aligned with the needs and opportunities offered by the labor market. (transdisciplinary learning)
3. a. Students will use more strategically and more integrated information and communications technology and more confidently educational resources
b. It will strengthen the interaction between research and practice leading to a better understanding of the geopolitical, historical, cultural and religious context in which we live.
c. Increasing the motivation for knowing the English language at a very good level.
4.a. Influencing national educational policy systems and teaching practices to find ways to include transdisciplinary teaching in schools.
b. The Open Educational Library should be integrated as a teaching material in all schools that aim to address transdisciplinary teaching.

This project is expected to have a significant impact on participating schools (teachers and students), as well as on other schools and stakeholders that will use the open educational resources created.
The teachers from the schools involved in the project:
• will be motivated to enrich their teaching methodology with digital courses;
• will be more confident in using the benefits of technology in the classroom;
• will approach the curricula in a different way;
• will begin making significant changes to their instruction and assessments and will impact students learning;
• will be able to communicate with colleagues teaching different disciplines, in terms of across curricular teaching as separate disciplines will be brought together around the common theme - TIME;
• will share best practices with colleagues from other countries, will share ideas with enthusiastic colleagues with a common goal.
Other teachers:
• will be motivated to invest in their own life long training;
• will increase self-esteem and revitalize the attractiveness of the teaching profession;
The students:
• will be able to learn about TIME in an attractive way, making connections between disciplines;
• will be helped to discover and develop their creative language and digital skills, by means of collaborative work and active learning;
• will connect new learning with what they know and are interested in;
• will build confidence to overcome challenges learning new/difficult concepts;
• will benefit from interactive lessons;
• will encourages students to become personally invested in their work;
• will encourage students to invest (time, energy) in their own training /development;
• will solidifying a new international group of friends with common interests;
Participating organizations and Other schools:
• will increase internationalization of participant schools;
• will create connections with schools from their country and from abroad;
• will approach different themes from an interdisciplinary perspective;

• will benefit from digital formal/non formal teaching materials related to TIME (videos, presentations, lessons plans etc.) organized in an Open Educational Library;
• will benefit from a network (database) with very well trained teachers;
• will benefit from possible partners in future projects.

What is the desired impact of the project at the local, regional, national, European and/or international levels?

This project is expected to have a significant impact on participating schools (teachers and students), as well as on other schools that will use the open educational resources created.
The long-term impact of the project is, on the one hand, the use of the open educational resources in the teaching process at European level and, on the other hand, the inclusion of the preparation of teachers for interdisciplinary teaching in the national educational systems. This will have a direct impact on students- better prepared for the demands of the labor market.

The greatest possible impact of "TIME" project is achieved when schools from Europe are using our open educational resources and integrate them in their teaching.
Another desired impact is that education systems include the preparation of teachers for interdisciplinary teaching and students benefit of courses that are closer to the demands of the labor market.
The project involves participants from different countries, but the results of the common work will have impact not only on local level, but also on interested schools at regional, national and international level. The trained teachers will benefit from a period of training which will help them to develop their digital and pedagogical skills. The schools will use a rich portfolio of open educational resources related to time theme at different disciplines: Physics, Mathematics, Mythology, Geography, Anthropology, Linguistics, Literature, Philosophy, Music/Arts, Theology, History, Journalism, Technology, Classical languages, Modern languages etc. These educational materials will be offered online, freely and openly for educators, students, and self-learners to use and reuse for teaching and learning.

Desired impact of the project at the local level:
-integration of our OER as teaching material for use in the classroom for transdisciplinary teaching;

Desired impact of the project at the regional level:
-school inspectorates to allow schools to introduce optional courses in transdisciplinarity

Desired impact of the project at national level:
- changing the framework plans in education systems.

Desired impact of the project at European level:
- imposing measures that would oblige national education systems to introduce in the curriculum disciplines with a strong orientation towards the requirements of the labor market.

Call 2020 Round 1 KA2 - Cooperation for innovation and the exchange of good practices

KA226 - Partnerships for Digital Education Readiness
Form ID: KA226-15B04CC5 Deadline (Brussels Time) 2020-10-29 12:00:00

How will you measure the previously mentioned impacts?

We are aware that we have set very high impact targets. The changes at national or European level due to a single project are imperceptible, but if there are many projects that develop the same subject, then we have the chance for changes, but they are also observable in decades.

The impact at a level closer to those involved in the project will be measured with specific statistical tools.
The impact of the project will be measured before and after its implementation with online questionnaires for all participating teachers, staff members and students.
Teachers will be given a survey after each activity included in the project: the training, the "good practice" sharing, the activities for creating and testing the intellectual outputs, the coordinating of students projects.
In these surveys we look for the answer to the following question: What is the difference in the way we are working compared to before? We will measure satisfaction on a scale, from low to high.
What new experience, skills and competencies will they develop? For each competency is designing a rating scale.
Likewise, for the students, opinion poll questionnaires will be designed, before and after their activity.
What new skills or competencies will they gain?
How will their attitudes, opinions or aspirations change as a result of the project? For each skills, competence, attitudes is designed a scale of impact from low to high.
For staff members, and county inspectors we will address the following questions:
What changes to legislation or school policy will occur in your field, after this project?
What contribution will you make to improved qualifications or transdisciplinary learning modules?
What benefits will "TIME" project deliver for sector or professional networks?
To these questions, will be free answers and these will be included in the final report.
The success of project will be measured (statistic) by:
-data and figures regarding the project website (updates, visits, consultations, cross-references);
-number of meetings with key stakeholders
-number of participants in webinars, workshops, symposium
-media coverage in all partners country (articles in specialized newsletters in the press, press releases, interviews, etc.)
-visibility in social networks and the attractiveness of the website
-number of access in the virtual library OER (learning platform); number of accounts;
-the impact on policy measures at regional, national level;
-feedback from end users, from other stakeholders, from colleagues, from decision makers.

Dissemination and Use of Project's Results

You are requested to make plans for the dissemination of your project results. Please provide answers to the questions below.

What will be the target groups of your dissemination activities inside and outside your partnership?

Please define in particular your target audience(s) at local/regional/national/EU level and motivate your choice.

A first step for the dissemination of this project results will be the identification of local, national and international networks of each of the partners. The management team of the project will organize presentations at local and national level.
Special attention will be paid on the production of logo, posters, flyers and website, through conceiving the Visual Identity Guide of this project.
The identified stakeholder groups are the following: an internal core of teachers of different disciplines, students, students` parents and external actors (teacher training institutes, public authorities and policy makers etc.).
All the identified stakeholder groups will be offered an innovative educational approach, aiming at approaching changes in the educational culture. The policy makers in different countries have different priorities and we need to address how the outcomes and impacts of our project results can be integrated better into programs across the EU.
The perspective of making a contribution to learning culture during such difficult periods as the pandemic is vital to the sustainability of the project and its results.

Which activities will you and your partner carry out in order to share the results of your project beyond your partnership?

The National College C.D. Loga will be general coordinator of project and responsible for implementation, project visibility, project dissemination (development of project website and Facebook page), project sustainability. But responsibility for implementation will be shared between all partners. Each partner will be involved in these activities according to their needs and roles in the project.

The dissemination of the project is thought in 3 stages: before, during and after the project. Dissemination activities have to start at an early stage to raise awareness and set up a significant community.
All the activities proposed in the dissemination plan will take place in the school of each partner. After project approval, partners can come up with new ideas to improve the dissemination plan.
The initial proposed dissemination plan with objectives, deadlines, responsibilities is uploaded to the Annexes.

ACTIVITIES
1. Prepare: Implementation plan; Monitoring plan; Evaluation plan; Impact indicators
2. Webinar with the presentation of the knowledge accumulated at the training
3. Writing and publishing articles in specialized magazines
4. Information seminar (online) of non-formal teaching methods, digital skills, ICT skills during teaching
5. Good practice guide on webpage
6. Virtual Workshops, with the presentation of some materials and their use / exploitation
7. Creating the project' website and other social media pages and constantly update it
8. Production of leaflets and annual on-line newsletters
9. Publication of the informative brochure with Intellectual Outputs created in the project.
10. Each school will add a link on its own web page to the project web page.
11. Virtual Workshops for students, Podcast , Live streaming
12. Virtual symposium with presentation of students' projects. Awarding the most successful projects. Podcast, Live streaming
13. "Media debate on transdisciplinary teaching"
14. Project movie; Illustrated diary
15. Upload the final results of the project and an update of the project description
16. Focus group for evaluate the project and plans for future projects.

(The list of activities is not sorted chronologically, but after the disseminated products)

Who will be responsible for the dissemination activities within your partnership and which specific expertise do they have in this area? What resources will you make available to allow for the proper implementation of your dissemination plans?

Romania will be the key leader of dissemination activities. Each partner will undertake dissemination in its own country and will contribute to the promotion of the project at national and European levels.
Therefore, each school will nominate a dissemination team working closely with the local development team. This team will consist of teachers of different disciplines responsible for:
• writing project presentation articles;
• preparing leaflets;
• digitizing disseminating material and uploading it on the project website.
A qualified team will be in charge with the creation of the project logo and project posters.
The Romanian team will make resources available to organize the dissemination and exploitation. They will set up a detailed dissemination plan including:
• identification of local, national and international networks of each partner;
• plans of presentations at local, national and international conferences of each of the partners;
• plans of publications by each of the partners;
• plans for use social media to spread the news;
• strategy of the organization of the dissemination activities (multiplier events - if it will be possible)
• strategy to organize an use OER (Open Educational Resources).
Costs related to the dissemination and printing of promotional materials will be included in the project' Budget Plan.
This dissemination plan will be updated on a regular base with the information from the partners on the project website. Each of the partners will spread the news and information on this project through social media.

The management team from Romania has the expertise to organize Multiplyer Event, acquired during the Erasmus project "Discover Real Everywhere Applications of Maths", no. 2016-1-RO01-KA201-024518. Current sanitary conditions create a very insecure framework for gathering large numbers of people and travel is not safe. Thus, under the generic name "Media debate on transdisciplinary teaching" included in the dissemination plan, we want to organize in each country a workshop with more sections, by categories of guests, (students, interested teachers, inspectors, media, other relevant actors in the educational process), where intellectual outputs will be disseminate.
If possible, we want this event to be "face-to-face", if not, we will organize online, or with live-streaming. We want to present a lesson with the effective use of the materials produced.
The outcomes of this debate will become available on-line on the project web site the consortium considering this action as an opportunity for exploitation and networking.

Erasmus+ has an open access requirement for all materials developed through its projects. If your project is producing intellectual outputs/tangible deliverables, please describe how you intend to ensure free access for the public to a digital form of this material. If you intend to put any limitation on the use of the open licence, please specify the reasons, extent and nature of this limitation.

All materials developed through the projects will be widely available for the public. The "TIME" website will enclose the deliverables that will be available in English, Romanian, Greek and Serbian.

Our OER are teaching and learning materials in digital form, which are available free of charge to everybody. The open licensing of this content < Creative Commons licensing: https://creativecommons.org/licenses/by/4.0/deed.de > means that the author allows the user to adapt the content to their own requirements. Open licensed content from different authors can also be linked and processed. The copyright is unaffected by this.
Our OER will have open licensing, that means that users will be able to specifically search for our content, for example via Google's extended search function;
The option to modify content increases the sustainability of results because the content, for example, can be continually updated. The possibility of modification also makes it easier to transfer content into other training sectors.
We will use podcasts in some parts of our project, in place of written records or interviews. That means that the blind as well as functional illiterates can also be reached. This helps to overcome barriers to access.

How will you ensure that the project's results will remain available and will be used by others?

Each school will ensure that there is a link to the project website and to the educational platform where the OER Library is loaded.
We will also publish the links to our website, and OER Library on the Erasmus+ Project Results Platform, everywhere (Facebook, school and private websites, eTwinning Platform, etc)
The Open Educational Resource Library, the project website and the local websites of all the partners, the main project outcomes and all the results will remain available for use. Thus, teachers and students can use and reuse the portfolio of open educational resources related to TIME theme at different disciplines and at different moments in the educational process they are involved in.
The partnership agreement will stipulate that everyone agrees with open licensing models.

Sustainability

What are the activities and results that will be maintained after the end of the EU funding, and how will you ensure the resources needed to sustain them?

Sustainable dissemination and exploitation relates to the ongoing impact of the results even if the project has formally been completed. For us, this means that the results of "TIME" project are available, published under open license and lead to actual and effective change.

The activities that will be promoted after the project ends will be the following:

• The project website, as well as all social media pages of the project, will be maintained by the applicant school.

• The partner schools will keep the collaborative school networks and the important channels to reach the target groups and disseminate the project.

• The online meetings between partners to share good practices will be scheduled after end of project.

• A major challenge is the continuous communication between the partners in English to overcome the barriers of language.

Annexes

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

The maximum number of all attachments is 100.

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

File Name	File Size (kB)
declaration on honour.pdf	1,407

Please download the Mandates, print them, have them signed by the legal representatives and attach them here.

File Name	File Size (kB)
MANDAT MOISE NICOARA.pdf	961
MANDAT GRECI.pdf	997
MANDAT SARBI.pdf	844

Please attach any other relevant documents.

File Name	File Size (kB)
Grafic repartizare sarcini.pdf	549
Gant of the project-TIME.pdf	764
DISEMINATION -TIME -project .pdf	761
Total Size (kB)	6,283

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:

Mandates of each partner to the applicant, signed by both parties, should be submitted as an annex to the application form. If the application is approved for funding, signed mandates will be considered as a condition for signature of the grant agreement.

The documents proving the legal status of the applicant must be uploaded in the Erasmus and European Solidarity Corps platform (for more details, see Part C of the Programme Guide - 'Information for applicants').

The grant exceeds 60 000 EUR. If the applicant organisation is not a public body or an international organisation, please do not forget to upload the necessary documents to give proof of your financial capacity in the Erasmus and European Solidarity Corps platform (for more details, see the section 'Selection Criteria' in Part C of the Programme Guide).

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.

Please read our privacy statement to understand how we process and protect your personal data

☑I agree with the specific privacy statement on Data Protection

Erasmus+

Submission History

Version	Submission Time	Submitted by	Submission ID	Submission Status
1	28-10-2020 00:23:36	gizi_fuioaga@yahoo.com	1678856	Submission OK