

## Context

Field	School education
Main objective of the project	Innovation
Project Title	Supporting success for all – Universal Design Principles in Digital Learning for students with disabilities
Project Acronym	Success
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	PL01 Foundation for the Development of the Education System
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.

During the COVID-19 crisis, across all countries, the situation of students with disabilities has been one of the most critical due to the need for rapid and radical changes in already complex circumstances. This project “Supporting success for all – Universal Design Principles in Digital Learning for students with disabilities” aims to support teachers and caregivers who work with students during lockdowns, when digital tools and distance learning are the only media available for attending classes and interacting with peers. The support that the project will provide to stakeholders will consist of guidelines and a self-paced online-course based on principles of Universal Design for Learning (UDL) as well as an e-learning platform that can support the work of teachers and caregivers if needed.

The target groups in this project are teachers and caregivers. While in a School Education project, teachers are an obvious target group, our choice to also involve caregivers is justified by the specific challenges of online learning. In fact, especially in the case of students with disabilities, the role of a scaffolder at home who supports teachers’ efforts is central to ensure that students do not lose the improvements they made while at school.

The project does not intend to target a specific category of disability because, generally speaking, it is not feasible to gather students with only kind of disability: The choice is to cover clusters of special needs (e.g. automatic reading of texts on the screen) that are common for several categories of students that require accommodations, and not exclusively the students recognised by law as a “student with disability”. In fact, UDL is intended for all students, not just students with disabilities, so this project also provides implicit support to help all teachers in improving the quality of educational materials created ex-novo for digital learning.

The partnership is composed of six organisations from five countries. Coordinator is Poznan Supercomputing and Networking Center (PSNC), affiliated at the Institute of Bioorganic Chemistry of Polish Academy of Sciences (Poland), that is one of the European National Research and Education Networks (NRENs) with an essential technological know-how and an important national network of schools. Moreover, PSNC will enable the project to start using an existing learning platform developed for the Horizon 2020 Up2U project for all European schools that is actually managed by PSNC. The platform is one of the key elements for the success of this project. In fact, the platform is already used in several schools in Europe

(including all Up2U project countries), and the platform was developed with pan-European players such as GÉANT and CERN.

The other partners to this project are:

1. Sapienza University of Rome (Italy), which is the biggest university in Italy and will participate in terms of know-how with his neuroscientific department and school teachers training programs as well as in technological terms for the production of digital materials.
2. National Technological University of Athens (Greece) is one of the most important universities in Greece and has a strong profile in spreading the use of technology in schools adopting a pedagogy-based approach. During the H2020 Up2U project, NTUA built an important network with several schools that can be decisive in this type of projects.
3. Instituto Politecnico do Porto - IPP (Portugal) has a central role in Portugal to combine technology and pedagogy with a relevant network of schools at local and national level. Its department of education will contribute greatly towards all the project's pedagogical issues.
4. Lithuanian University for Health Sciences (Lithuania) is the biggest health university in Lithuania and is strongly committed to training teachers and caregivers in how to use digital learning to support students with disabilities.
5. Casa Santa Rosa (Italy) is one of the most important clinics in Italy for supporting people with disabilities and assists more than 150 children with disabilities, also supporting their caregivers.

The project workflow starts with a needs analysis and will implement the results by using a ready-to-use e-learning platform as a potential common reference, create educational materials, and provide self-paced online training courses targeting teachers and caregivers. All materials created by the end of the project will remain available, increasing the awareness of the range of possible solutions to help students with disabilities even in a lockdown situation, giving involved stakeholders an European dimension to their difficulties and providing ready-to-use solutions.

## Applicant Organisation

Organisation ID	Legal name	Country
E10207949	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK	Poland

## Partner Organisations

No	Organisation ID	Legal name	Country
1	E10248958	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza	Italy
2	E10182210	INSTITUTO POLITECNICO DO PORTO	Portugal
3	E10209458	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	Italy
4	E10166255	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS	Lithuania
5	E10209402	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA	Greece

## Project Budget Summary

Budget Items	Grant
Project Management and Implementation	42.000,00 EUR
Transnational Project Meetings	23.700,00 EUR
Intellectual Outputs	203.900,00 EUR
Multiplier Events	26.600,00 EUR
Total Grant	296.200,00 EUR

## Transnational Projects Meetings

ID	Meeting Title	No. of Participants	Grant
1	Kick-off meeting	12	6.120,00 EUR
2	Guidelines presentation and engagement plan	12	6.860,00 EUR
3	Before the pilots	12	6.120,00 EUR
4	Final meeting	12	4.600,00 EUR
Total			23.700,00 EUR

## Intellectual Outputs

ID	Output Title	Category of Staff	No. of Working Days	Grant
O1	Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic	Teachers/Trainers/Researchers/Youth workers	160	21.675,00 EUR
O3	Guidelines for the implementation of UDL principles in digital learning for students with disabilities	Teachers/Trainers/Researchers/Youth workers	150	19.080,00 EUR
O4	Experimental implementation of e-learning platform to realise demonstrative courses	Teachers/Trainers/Researchers/Youth workers	270	26.070,00 EUR
O2	Digital learning for people with special needs - State of the art report as scoping review	Teachers/Trainers/Researchers/Youth workers	140	15.365,00 EUR
O6	Demonstrative units and Self-Paced Training Online course	Teachers/Trainers/Researchers/Youth workers	320	41.950,00 EUR
O5	Virtual Information, OER, and Community Management	Teachers/Trainers/Researchers/Youth workers	280	29.820,00 EUR
O1	Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic	Technicians	40	2.200,00 EUR
O3	Guidelines for the implementation of UDL principles in digital learning for students with disabilities	Technicians	30	1.650,00 EUR
O4	Experimental implementation of e-learning platform to realise demonstrative courses	Technicians	230	16.200,00 EUR
Total			1,985	203.900,00 EUR

ID	Output Title	Category of Staff	No. of Working Days	Grant
O2	Digital learning for people with special needs - State of the art report as scoping review	Technicians	20	1.100,00 EUR
O6	Demonstrative units and Self-Paced Training Online course	Technicians	115	11.310,00 EUR
O5	Virtual Information, OER, and Community Management	Technicians	230	17.480,00 EUR
Total			1,985	203.900,00 EUR

## Multiplier Events

ID	Event Title	Country of Venue	Local Participants	Foreign Participants	Grant
E5	Presentation of the results of the project and of the MOOC	Italy	50	8	6.600,00 EUR
E6	Presentation of the results of the project	Lithuania	60	0	6.000,00 EUR
E1	Presentation of the current results: learning platform, OERs, and training courses	Poland	50	0	5.000,00 EUR
E2	Final improvements of the results collected and design the closing of the project	Greece	30	0	3.000,00 EUR
E3	Presentation of the current results: guidelines, publications	Poland	30	0	3.000,00 EUR
E4	Presentation of the current results of the project	Portugal	30	0	3.000,00 EUR
Total			250	8	26.600,00 EUR

## Budget per Participating Organisation

Organisation	Country of Organisation	Grant
INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	77.090,00 EUR
Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy	44.160,00 EUR
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal	45.355,00 EUR
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy	44.040,00 EUR
LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania	42.830,00 EUR
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece	42.725,00 EUR

Budget Details per Participating Organisations (INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL))

Budget Items	Grant
Project Management and Implementation	12.000,00 EUR
Transnational Project Meetings	3.820,00 EUR
Intellectual Outputs	53.270,00 EUR
Multiplier Events	8.000,00 EUR
Total Grant	77.090,00 EUR

#### Budget Details per Participating Organisations (Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Transnational Project Meetings	3.450,00 EUR
Intellectual Outputs	28.110,00 EUR
Multiplier Events	6.600,00 EUR
Total Grant	44.160,00 EUR

## Budget Details per Participating Organisations (INSTITUTO POLITECNICO DO PORTO (E10182210, PT))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Transnational Project Meetings	4.190,00 EUR
Intellectual Outputs	32.165,00 EUR
Multiplier Events	3.000,00 EUR
Total Grant	45.355,00 EUR

## Budget Details per Participating Organisations (UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Transnational Project Meetings	3.450,00 EUR
Intellectual Outputs	34.590,00 EUR
Total Grant	44.040,00 EUR

#### Budget Details per Participating Organisations (LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Transnational Project Meetings	4.970,00 EUR
Intellectual Outputs	25.860,00 EUR
Multiplier Events	6.000,00 EUR
Total Grant	42.830,00 EUR

## Budget Details per Participating Organisations (NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR))

Budget Items	Grant
Project Management and Implementation	6.000,00 EUR
Transnational Project Meetings	3.820,00 EUR
Intellectual Outputs	29.905,00 EUR
Multiplier Events	3.000,00 EUR
Total Grant	42.725,00 EUR

## 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	Transnational Projects Meeting	03-2021	Kick-off meeting
2	Intellectual Output	03-2021	Digital learning for people with special needs - State of the art report as scoping review
3	Intellectual Output	03-2021	Experimental implementation of e-learning platform to realise demonstrative courses
4	Intellectual Output	03-2021	Virtual Information, OER, and Community Management
5	Intellectual Output	04-2021	Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic
6	Intellectual Output	06-2021	Guidelines for the implementation of UDL principles in digital learning for students with disabilities
7	Intellectual Output	07-2021	Demonstrative units and Self-Paced Training Online course
8	Transnational Projects Meeting	10-2021	Guidelines presentation and engagement plan
9	Multiplier Event	12-2021	Presentation of the current results: guidelines, publications
10	Multiplier Event	03-2022	Presentation of the current results of the project
11	Transnational Projects Meeting	06-2022	Before the pilots
12	Multiplier Event	09-2022	Presentation of the current results: learning platform, OERs, and training courses
13	Multiplier Event	09-2022	Final improvements of the results collected and design the closing of the project

<b>ID</b>	<b>Activity Type</b>	<b>Starting Period</b>	<b>Description</b>
14	Transnational Projects Meeting	02-2023	Final meeting
15	Multiplier Event	02-2023	Presentation of the results of the project and of the MOOC
16	Multiplier Event	02-2023	Presentation of the results of the project

## 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	E10207949
Legal name	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK
Legal name (national language)	
National ID (if applicable)	000849327
Acronym	PSNC
Address	NOSKOWSKIEGO 12-14
Country	Poland

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P.O. Box	000
Postal Code	61 704
City	POZNAN
Website	
Email	office@man.poznan.pl
Telephone	+48618582000
Fax	+48618525954

## Profile

Type of Organisation

Research Institute/Centre

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 (INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK)

Title	Ph.D
Gender	Male
First Name	Cezary
Family Name	Mazurek
Position	Director of PSNC (CEO)
Email	mazurek@man.poznan.pl
Telephone	+48618585004
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK)

Gender	Male
First Name	Krzysztof
Family Name	Płotka
Position	Project Administration Specialist
Email	kplotka@man.poznan.pl
Telephone	+48618582145
Preferred Contact	Yes
If the address is different from the one of the organisation	No

## Contact Person (INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK)

Gender	Male
First Name	Michał

Family Name	Zimniewicz
Department	Poznan Supercomputing and Networking Center
Position	Project coordinator
Email	mzimniewicz@man.poznan.pl
Telephone	+48618585049
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)

Poznan Supercomputing and Networking Centre (PSNC) was established in 1993 as a research laboratory of the Polish Academy of Sciences. PSNC is member of GÉANT (a fundamental element of Europe's e-infrastructure, delivering the pan-European GÉANT network for scientific excellence, research, education and innovation). PSNC has an active participation in the design and development of high-speed interconnects, fibre-based research and education networks allows PSNC today to be a key member of pan-European GÉANT optical network connecting 34 countries through 39 national networks (NRENs). The GÉANT network is the largest and most advanced R&E network in the world, connecting over 50 million users at 10,000 institutions across Europe and supporting all scientific disciplines.

In 2016, PSNC has started the Innovative Education Lab (earlier known as "Future School Laboratory") as an experimental venture powered designed to study the interface between end users, mainly K12 schools, and state of art web and network services in the context of education and R&D projects on national and global scale. The Innovative Education Lab is where we conduct research and development activities to test the limits of the state of the art technologies in the context of teaching and learning. Through curated, tailored for specific age groups, interdisciplinary adventures, we strive to engage schools and other participants on the grounds of experience and experimentation. Every educational narration is a fruit of collaboration between IT engineers, domain experts, artists and independent teaching professionals. The laboratory provides test ground for experimental storytelling and teaching solutions, it is a venue for cooperation, initiatives and educational events, it houses advanced e-competence and soft-skills research facilities. With our in-house expertise in ICT services and equipment, we are merging that technologies with carefully tailored educational scenarios aimed to better understand a singular student, a group of students, teachers or parents. Our goal is to increase awareness of available solutions, boost command of computer skills among users of all ages and to create context – a frame of reference – wherein we enable further research, implementation and training for education and academia professionals.

PSNC is closely related to GÉANT, and is responsible for the development and management of the national optical research network, high-performance computing and various eScience services and applications in Poland. The optical network infrastructure called PIONIER is based on dedicated fibres connecting more than 150 research campuses and universities around the country. Additionally, PIONIER connects also more than 300 schools in Poland. PSNC has several active computer science research and development groups working on a variety of aspects including: innovative HPC applications, portals, digital media services, mobile user support technologies and services, digital libraries, storage management, tools for network management, optical networks and QoS management. As it was demonstrated in many international projects founded by European Commission, PSNC experts are capable of bringing unique IT capabilities to the research and e-Science based on many experiences in the 5th, 6th and 7th Framework Programs and Horizon 2020.

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?

Relevant passed projects:

1. Epodreczniki.pl is a modern open source educational MOOC platform and repository to create and share e-books and educational multimedia content, mainly for K12. The platform is managed by the Ministry of National Education of Poland, and was developed and hosted by PSNC that was the technological partner in 2013-2017. Open educational content in the repository has been prepared by several universities in Poland. Epodreczniki.pl is the largest open educational repository in Poland. The number of page views of the platform website has been reached even several millions per day, more than 40% of teachers in Poland have reported the access to the educational content.
2. Scottie Go! is an innovative game to teach programming. It is a combination of cardboard tiles, which are used by the players to create programming commands, and an app that sets tasks and scans the proposed solutions that set Scottie and other characters in motion. As part of research and development, in 2017, PSNC developed a game prototype, used unique technological solutions and the PSNC Innovative Education Laboratory prepared content and curriculum.
3. Up2U - "Up to University" - EU Horizon 2020 research and innovation programme under Grant Agreement No. 732049 for 2017-2020. Up2U makes available a specific Next Generation Digital Learning Environment (NGDLE) that integrates the formal and informal learning spaces for secondary school students and teachers who wish to develop and enhance their teaching and learning skills up to the university standards. PSNC coordinated large-scale pilots of the NGDLE in 9 European countries, and is now operating most of Up2U services. In Poland, almost 300 schools have been involved in the pilots directly by PSNC.
4. In 2018-2019, PSNC developed and conducted project "Koderjunior - School of Programming Masters", in cooperation with the Adam Mickiewicz University, University of Gdansk, ProCultura Foundation. The aim of the project was to prepare schools in Poland to implement programming learning and to use innovative teaching methods using modern technologies in early school education. Project effects are over 13,000 students in grades 1-3 with improved digital skills. Nearly 1,000 teachers have been trained and received support from PSNC.
5. As part of the AI PSNC Academy, in 2019, commissioned by Intel, the PSNC Innovative Education Laboratory began pilot implementation of a unique course in artificial intelligence for high schools. PSNC has launched a cloud programming environment, adapted training content to European conditions, in particular Polish schools, conducted workshops, online support, bootcamp, and provided advice to teachers and students.

Key staff:

1. Michał Zimniewicz (m) graduated from Poznań University of Technology with Master of Engineering degree in Computer Science and Software Engineering. Since 2010, he is software engineer and IT analyst at PSNC. 2017-2020, he was a work package leader of the Up2U project and was responsible for coordinating pilots in 9 European countries, providing e-infrastructure behind educational services, coordinating quality assurance team, supervising risk management. Since 2019, he is technical coordinator of educational web applications developed by PSNC and also of international teams operating Up2U services, also after the project lifetime. He is also involved in several national and international projects towards designing software architectures for various domains.
2. Krzysztof Kurowski (m) is a doctor with a habilitation degree in computer science. He received this title at the Poznan University of Technology. Since 2019 he has been working as Deputy Director of PSNC. He has been actively involved in many international R&D projects in the area of computer science, HPC, and ICT. He was a research visitor at University of

Queensland, Argonne National Lab, or CCT Louisiana University. His research activities are focused on advanced applications, computing simulations, scheduling and resource management in networked environments. Recently, he has been actively involved in the field e-learning and digital education. He was a technical coordinator in the national project for open educational resources and e-textbooks for all K12 schools in Poland as well as promoting innovative methodologies in education through a dedicated educational living lab space at PSNC.

3. Tomasz Piontek (m) graduated from Poznań University of Technology in Computer Science. He is a head of the Applications Division at PSNC. He has been involved as a Work Package Lider or Technical Manager in many EU-funded R&D and infrastructural projects. His research activities are focused among others on online services scalability and availability. Tomasz was responsible for designing, implementing and supporting many core and domain oriented scientific and educational services as well as access tools to HPC resources.

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
7 PR	2017	312763	FORSCHUNGSZENTRUM JULICH GMBH
H2020	2017	645568	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK
H2020	2017	653838	FORSCHUNGSZENTRUM JULICH GMBH
H2020	2017	722937	POLITECHNIKA POZNANSKA
EUROFUSION	2017	633053	MAX-PLANCK- GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV
H2020	2018	645361	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI
H2020	2018	654065	CSC-TIETEEN TIETOTEKNIIKAN KESKUS OY
H2020	2018	671564	UNIVERSITEIT VAN AMSTERDAM
H2020	2018	671627	EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS

H2020	2018	674907	EUROPEAN SPACE AGENCY
H2020	2018	676629	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
H2020	2018	676547	UNIVERSITAET POTSDAM
H2020	2018	688619	FUNDACIO PRIVADA I2CAT, INTERNET I INNOVACIO DIGITAL A CATALUNYA
H2020	2018	688156	INTRACOM SA TELECOM SOLUTIONS
H2020	2018	731122	GEANT LIMITED
CEF	2018	730954	GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER
H2020	2018	732569	MARTEL GMBH
EUROFUSION	2018	739563	SCIENCE AND TECHNOLOGY FACILITIES COUNCIL (STFC)
H2020	2018	644399	Simula Research Laboratory
EUROFUSION	2018	633053	MAX-PLANCK- GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV

H2020	2019	688201	ICHINSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUKB PAN - PCSS
EMPIR	2019	15SIB05 OFTEN	Physikalisch-Technische Bundesanstalt (PTB)
H2020	2019	700071	ATHLONE INSTITUTE OF TECHNOLOGY
H2020	2019	730913	FORSCHUNGSZENTRUM JULICH GMBH
H2020	2019	731107	OBSERVATOIRE DE PARIS
H2020	2019	732064	INTRASOFT INTERNATIONAL SA
H2020	2019	730941	GEANT VERENIGING
H2020	2019	732497	European Institute for Research and Strategic Studies in Telecommunications GmbH
H2020	2019	818464	POLITECHNIKA POZNANSKA
H2020	2020	732049	GEANT VERENIGING
H2020	2020	734340	UNIVERSITY OF HULL
H2020	2020	732638	IMINDS
H2020	2020	762079	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ

			AKADEMII NAUK
H2020	2020	767498	EIT DIGITAL
H2020	2020	768739	ENGINEERING - INGEGNERIA INFORMATICA SPA
H2020	2020	777435	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS
H2020	2020	777536	STICHTING EGI
H2020	2020	780819	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK
H2020	2020	801137	POLITECNICO DI MILANO
H2020	2020	801091	UNIVERSIDAD CARLOS III DE MADRID
H2020	2020	800925	UNIVERSITY COLLEGE LONDON
H2020	2020	2018-EU-IA-0015 (27968402)	AIT Austrian Institute of Technology GmbH
H2020	2020	818182	STICHTING WAGENINGEN RESEARCH
H2020	2020	824115	ATOS SPAIN SA
CEF	2020	INEA/CEF/ICT/A2017/1568419	Stichting Europeana

EUROFUSION	2020	633053	MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV
H2020	2020	824158	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
H2020	2020	825355	WATERFORD INSTITUTE OF TECHNOLOGY
H2020	2020	823782	CESSDA AS
H2020	2020	856726	GEANT VERENIGING
H2020	2020	820323	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
H2020	2020	823767	FORSCHUNGSZENTRUM JULICH GMBH
H2020	2020	818346	ARISTOTELIO PANEPISTIMIO THESSALONIKIS
H2020	2020	18SSIB06 TiFOON	NPL Management Limited (NPL)
H2020	2020	847612	CHALMERS TEKNISKA HOEGSKOLA AB
H2020	2020	857647	AGENCIA ESTATAL CONSEJO SUPERIOR

			DEINVESTIGACIONES CIENTIFICAS
Erasmus +	2020	2019-1-PL01-KA203-065814	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK
CEF	2020	INEA/CEF/ICT/A2018/1815914	Universidad Carlos III de Madrid (UC3M)
H2020	2020	857202	WATERFORD INSTITUTE OF TECHNOLOGY
H2020	2020	857156	AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH
H2020	2020	818187	ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS
H2020	2020	871160	ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON
H2020	2020	874474	LEONARDO - SOCIETA PER AZIONI
H2020	2020	872548	UNINOVA-INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS- ASSOCIACAO
H2020	2020	863353	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

H2020	2020	873087	TECHNISCHE UNIVERSITAET MUENCHEN
H2020	2020	951956	SINTEF AS
H2020	2020	954920	POLITECHNIKA POZNANSKA
H2020	2020	951850	SORBONNE UNIVERSITE
H2020	2020	951732	UNIVERSITAET STUTTGART
H2020	2020	951771	INSTITUTO TECNOLOGICO DE INFORMATICA
H2020	2020	869379	MONTANUNIVERSITAET LEOBEN
H2020	2020	951886	GEANT VERENIGING

## Partner Organisations

Organisation ID	E10248958
Legal name	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza
Legal name (national language)	Casa Santa Rosa
National ID (if applicable)	RM - 910120

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Address	Via Appia Antica, 203
Country	Italy
Postal Code	00178
City	Roma
Website	<a href="http://casasantarosa.it">http://casasantarosa.it</a>
Telephone	+39067188450

## Profile

Type of Organisation

Non-governmental organisation/association

Is the organisation a public body?

No

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 (Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza)

Title	Sister
Gender	Female
First Name	Angela
Family Name	Enascut
Position	General Director
Email	c.pellegrini@casasantarosa.it
Telephone	+39067188450
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza)

Title	Dott.
Gender	Male
First Name	Claudio
Family Name	Pellegrini
Position	Director
Email	c.pellegrini@casasantarosa.it
Telephone	+39067188450
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza)

Title	Dott.
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Gender	Male
First Name	Marco
Family Name	Montanari
Position	Psychologist
Email	marco.montanari@uniroma1.it
Telephone	+393356342094
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 Institute of Figlie di S. Maria della Divina Provvidenza- Casa Santa Rosa is part of the international network of Opera Don Guanella (<http://www.operadonguanella.it/>) with several centers in the world. Within this organization, Casa Santa Rosa is in charge of organizing training programs for all operators. Casa Santa Rosa is a Health Presidium for the Rehabilitation of Psycho-Physical-Sensory Disability recognized by the National Health System pursuant to Article 26 of Law 833 / 78, authorized and accredited by the Lazio Region (DCA n. U00045 of 21 February 2014) according to the accreditation regime in force for extensive and maintenance rehabilitation, in the area of competence of the ASL Rome 2. The staff is made up of 23 social health workers, 10 educators, 8 doctors, 3 psychologists, 1 social worker, 5 nurses, 5 neuro and psychomotor therapists, 8 speech therapists, 2 physiotherapists, 1 occupational therapist, 1 rehabilitation technician psychiatric, to which are added about 10 trainees and volunteers who support their work. To this group is added a group of religious composed of more than 10 nuns who live there and help. In fact the center is part of the religious group founded by San Luigi Guanella that is made by two congregations that carry out their mission in different countries around the world and their assistance works consist of:

Care Centres for the elderly

Centers for psycho-physical disabled people

Educational institutions for school children at different levels with special attention to students with disabilities

Collaboration in parishes for liturgical animation and pastoral care

Relief for new poverty implemented in different forms (canteens, housing homes, etc.)

Casa Santa Rosa periodically organizes meetings to update and exchange best practices with other organizations scattered throughout the Italian territory which, overall, assist a population of around 10,000 disabled people.

The Center has two main missions: assisting children with disabilities in their social inclusion process as well as their rehabilitation, and then dealing with the recovery and functional rehabilitation of adult users with intellectual and developmental disabilities. For this purpose, it offers residential (family-groups and multipurpose rehabilitation laboratories) and semi-residential (day care center) services, reserved for young-adult and adult users and non-residential (ambulatory) services, aimed at to the developmental age. Currently (data 2019) about 100 users use residential and semi-residential services to which, approximately, another 150 users are added who use nonresidential ones.

The section dealing with children support more than 160 families.

The Casa Santa Rosa began its activity in 1946, immediately after the Second World War. Initially it was only a welfare institution, but in the early 1960s it started to transform into a medical-psycho-pedagogical center, with the recruitment of qualified lay staff and the training of religious personnel to recover and educate young disabled people. The House, in its early years of life, worked mainly in the field of developmental age, with the opening of special schools and the creation of environments that recreate the living conditions of a family group; moreover, with assisted girls, reintegration into normal school and then into society was encouraged whenever possible. Over the years the Casa Santa Rosa opened to adulthood, starting to set up rehabilitative workshops (weaving, leather and rope, gardening, etc.) and to creating recreational and socializing opportunities for adult girls, in addition to a permanent therapeutic intervention and a maintenance of autonomy and school acquisitions.

With the law on school integration, the school service has been reduced and the house has increasingly become a rehabilitation center, offering users a highly qualified intervention, animated by the pedagogical thought of the Founder who urges us to an educational work addressed to the totality of the person in his multiple dimensions. Today it is exclusively in the rehabilitation center, one of the most important in the territory of the Municipality of Rome, which caters to all age groups of both genders. In addition to the activities hosted in the main structure, the center also includes several external social structures equipped to host some adult people with disabilities to work specifically on their autonomy.

Attention to the quality of services and user satisfaction is the primary objective of Casa Santa Rosa. To this end, Casa Santa Rosa adopts a quality management system in reference to the UNI EN ISO 9001: 2015 international standards.

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.

The center has many years of experience in assisting children with disabilities. As a matter of fact, this care centre was a school for female students with disabilities. Nowadays it is a modern care center with an important clinic for children with disabilities and strong collaboration with sister organizations like Associazione Umbrella Onlus specialised in supporting autistic children.

Casa Santa Rosa takes care of more than 150 children with disabilities supporting their caregivers too, especially in educational aspects. As an organization aims to support children with disabilities until they become adult: from 18 years old it offers semi-residential and residential activities with the target to strengthen those skills necessary to be able to live in autonomy within protected situations together to other people with similar problems (e.g. family - home) without the direct support of their family. To reach this target, the center organizes several activities while mapping all progresses through psychological supervision.

When students, Casa Santa Rosa offers special support to children's caregivers as well as to individual teachers with whom collaborates to achieve the best from the involved children. Psychologists in Casa Santa Rosa work in scaffolding parents to help them in supporting their children in everyday life activities. In a period of digital learning its role as reference has become even stronger.

The involved staff is mainly composed from:

Dr Claudio Pellegrini is the director of the Institute of Figlie di S. Maria della Divina Provvidenza - Casa Santa Rosa where he has been working since 1986. Licensed Psychologist, he is specialized in working with people with disabilities as well as belonging to disadvantaged categories (elderly people, immigrants). For the Institute of Figlie di S. Maria della Divina Provvidenza, he has organized several classes to update operators and employees on the most recent studies and approaches to help disadvantaged people. He works on a regular basis in scaffolding families, especially at the beginning of the rehabilitation processes.

Dr Marco Montanari has been part of the Psychologist team at Casa Santa Rosa since 2018. Professor at the Sapienza University of Rome, he is specialized in Counseling and in Analytical Psychology. His fields of interest cover Cross-Cultural Psychology as well as the effects of using digital tools in everyday life in terms of emotions, with a focus in rehabilitation and in education. He has collaborated in several European projects coordinated by Sapienza for the use of technologies in learning, especially in the Erasmus Plus CommonSPaces and in the Horizon 2020 Up2U project. He has published several articles on how to use technologies in learning.

During the project life-span several other members of the Casa Santa Rosa will participate to the project activities, but the main references are the two described above.

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

No

## Partner Organisations

Organisation ID	E10182210
Legal name	INSTITUTO POLITECNICO DO PORTO
Legal name (national language)	IPP
National ID (if applicable)	503606251
Address	RUA DR ROBERTO FRIAS 712
Country	Portugal
P.O. Box	000
Postal Code	4200-465
City	Porto
Website	<a href="http://www.ipp.pt">www.ipp.pt</a>
Telephone	+351225571003
Fax	+351225020772

## Profile

Type of Organisation

Higher education institution (tertiary level)

Is the organisation a public body?

Yes

Is the organisation a non-profit?

Yes

## Accreditation

Accreditation Type	Accreditation Reference
Erasmus Charter for Higher Education	P PORTO05

## 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 (INSTITUTO POLITECNICO DO PORTO)

Title	Prof.
Gender	Male
First Name	João
Family Name	Rocha
Position	President
Email	sec-p@sc.ipp.pt
Telephone	+351225571000
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (INSTITUTO POLITECNICO DO PORTO)

Title	Prof.
Gender	Male
First Name	Miguel
Family Name	Santos
Department	Special Education and Inclusion
Position	Professor
Email	migsantos@ese.ipp.pt
Telephone	+351962639145
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).

Created in 1985, the Polytechnic of Porto (P.PORTO) is the largest and the most dynamic Polytechnic in the country, occupying the first position in the ranking of the Polytechnic and, in conjunction with major universities is placed in the upper reaches of the ranking of National Higher Education. The Schools constitute the dynamic axis of an open, challenging and multicultural community and turn a complex of modern labs and equipment into living entities. The Schools are the link between the three Campuses, 30 research centres, more than 18,000 students, 58 undergraduate degrees and 50 masters' degrees in areas that cover the different fields of Engineering, Accounting and Administration, Education, Music and Performing Arts, Media Arts and Design, Tourism, Management and Technology and Health. The School of Education (ESE-IPP) integrates the Polytechnic of Porto and offers a range of undergraduate and master programs, in the field of Teacher Education and Social Education - one within the area of Special Education coordinated by the Special Education and Inclusion Department – and a joint doctoral degree (with the University of Santiago de Compostela, Spain). The ESE-IPP has been an active participant in UE programs since 1986 and is involved in all aspects of teacher education, has long-established links with schools and HE institutions both regionally and internationally. The School of Education also hosts the Centre for Research and Innovation in Education (inED), a research unit with scientific autonomy. It aims to foster research and innovation, giving priority to collaborations with other national and international institutions, focusing on (i) promoting initiatives towards the elaboration of projects and their proposal to funding agencies; (ii) promoting sharing of knowledge and projects, as well as training new researchers; (iii) developing editorial initiatives such as the scientific journal *Sensos-e*.

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.

NAID, “Núcleo de Apoio à Inclusão Digital” or Support Center for Digital Inclusion - is a specialized resource centre at the School of Education at the Polytechnic of Oporto, committed to disseminate and the use of technology in order to maximize the activity and participation of people with special needs. The centre promotes active dissemination of assistive devices and inclusion strategies, knowledge transfer, functional assessment, direct support and training, and also research, following a multidisciplinary approach that involves professionals from various fields. It has a wide range of equipment and facilitator devices, designed to improve functionality and reduce the inability of people with special needs, regarding the performance of activities and participation in the areas of learning and professional and social life.

- Miguel Santos holds a PhD in Psychology & is currently Professor at the School of Education of IPP. He coordinated the Department of Special Education and Inclusion (2007-2019), and the Bachelor Programme in Portuguese Sign Language Translation and Interpretation (since 2010). Over the last years, he participated in and coordinated European Projects concerning Inclusive Education. Most of these projects where or are aimed at developing training programmes for parents and teachers of children with a specific diagnosis – ADHD and cerebral palsy. He worked on the translation for the Portuguese language of the Supports Intensity Scale TM (AAIDD). He is a member of the scientific committee of the Center for Research and Innovation in Education (inED).

- Rui Oliva Teles is an Adjunct Professor at Dep of Mathematics, Science and Technology at the School of Education at the Polytechnic of Porto since 1988. He holds a Phd in the area of eLearning and Assistive Technologies, by the University of Minho. He is a professor of undergraduate and master's courses and coordinates the Support Center for Digital Inclusion, a resource centre directed to activities of direct support, evaluation, training and research in technologies for people with special needs. He is a founding member and vice president of SUPERA ( Portuguese Society of Engineering, Rehabilitation, Support and Accessibility Technologies). He participated in several national and international programs (Lingua, Leonardo, Comenius, Grundvig) related to the pedagogical use of ICT and the development of Support Technologies (Assistive Technologies) and organizes activities aimed at inclusion, together with other entities (IPSS , Associations, etc.). He continuously develops training programs for teachers in the area of pedagogical use of ICT and in contexts of special education for technicians who work with children with special educational needs, as well as digital inclusion sessions for seniors or young people with disabilities. Lately he has been developing Maker Spaces for tangible educational resources for the blind.

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+ KA2	2019	2019-1-AT01-KA201-051226	Universitat Wien
Erasmus+ KA2	2018	2018-1-FR01-KA202-047991	Institut Regional d'Insertion Professionelle et Sociale
Erasmus+ KA2	2017	2017-1-IT02-KA201-036540	Consiglio Nazionale delle Ricerche
Erasmus+ KA2	2017	2017-1-RO01-KA201-037460	Fundatia de abilitare «Speranta »

## Partner Organisations

Organisation ID	E10209458
Legal name	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA
Legal name (national language)	
National ID (if applicable)	80209930587

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Address	Piazzale Aldo Moro 5
Country	Italy
Postal Code	00185
City	ROMA
Website	<a href="http://www.uniroma1.it">www.uniroma1.it</a>
Telephone	+390649910745, +390649910416
Fax	+390649910978

## Profile

Type of Organisation

Higher education institution (tertiary level)

Is the organisation a public body?

Yes

Is the organisation a non-profit?

Yes

## Accreditation

Accreditation Type	Accreditation Reference
Erasmus Charter for Higher Education	I ROMA01

## 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 (UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA)

Title	Dr
Gender	Male
First Name	Eugenio
Family Name	Gaudio
Position	Rector
Email	eugenio.gaudio@uniroma.it
Telephone	+390649911
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA)

Gender	Male
First Name	Marco
Family Name	Montanari
Position	Professor
Email	marco.montanari@uniroma1.it
Telephone	+390649911
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA)

Title	professor
Gender	Male

First Name	Stefano
Family Name	Lariccia
Position	professor
Email	stefano.lariccia@uniroma1.it
Telephone	+390649911
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).

With over 700 years of history, over 113,000 students, 3,300 teachers and 2,000 employees, technicians and librarians, in addition to 1,800 administrative staff in university hospitals, Sapienza is one of the biggest university in Europe. Our mission is to contribute to the development of a knowledge society through research, excellence, quality education and international cooperation.

The world's leading university rankings place Sapienza at the top of Italian universities for quality of research, education and international dimension; moreover, Sapienza excels and leads as a benchmark in many subject areas.

Sapienza currently offers over 280 degree programs (Bachelor's and Master's) - among which over 35 are taught in English- 200 vocational master courses and almost 80 PhDs. The School of Advanced Studies provides a program of excellence and free tuition for the best students. Students with an Italian high school score of 100 are exempted from enrollment fees and the bonus is extended if they keep up their good grades. Families who have more than one child enrolled at the university also enjoy a special brothers-sisters bonus.

University services include 54 libraries (four with 24-hour reading rooms), 18 museums, the Ciao and Hello Orientation Offices, a Sort – Orientation and Tutoring Office in each faculty, a Disabled Students Office, the Job Soul Placement Office, and a Public Relations Office. Sapienza University also promotes a vast range of cultural, social and sports activities and has various facilities (over 100,000 square meters) for sports, music, and theatre, as well as the RadioSapienza web radio.

Over 30.000 students come from other Italian cities, nearly 9,000 are foreign and over 3,500 students a year come to Sapienza on international mobility programs. Thanks to a wide network of agreements with universities around the world, Sapienza also provides its students many international opportunities, including double degrees, scholarships abroad, internships in European and non-European countries, and international PhDs.

Scientific research activity at Sapienza covers an extremely broad spectrum of disciplines, reaching levels of excellence in many areas, including archaeology, physics and astrophysics, humanities and cultural heritage, the environment, nanotechnologies, cell and gene therapy, design, aerospace, social and economic sciences. Nobel Prize winners and internationally renowned scientists have taught and/or studied at Sapienza.

Sapienza is organized into 11 faculties, one School for Advanced Studies, one post-degree School for Aerospace Engineering, 58 departments, as well as numerous research and service centers. The central administration is organized into areas, offices and sectors.

The rectorate is collegiate with a Rector, a Deputy Rector and a group of Assistant Deputy Rectors and delegates with specific competences, alongside committees and commissions or evaluation, strategic planning, quality and integration of activities, as well as for specific topics.

Two departments will participate to the project, Digilab and Human Neurosciences.

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.

Two department of Sapienza will work on this project.

One is DigiLab that will be the coordinator for Sapienza University. Its team will focus on implementing survey and related analysis and in supporting OERs and MOOCs realization in cooperation with the other partners. DigiLab Centre (Interdisciplinary Center for the Management and promotion of Digital Cultures), was deeply involved in the Up2U project and developed a previous experience in reflecting, trials and analysing results in different Technology and Learning projects (see list below). DigiLab Sapienza was created in 2008 and devoted to bridge different domains of knowledge and research: at DigiLab Archeology meets Computer Science, History meets Digital Studies, Electronic Engineering meet Environmental Studies and Telematics; Language Studies (including Applied language studies like spanish, chinese, arab, japanese, korean and oriental language studies meet Natural Language Processing. More than 100 researchers are involved from 12 Departments. Sapienza also hosts the Experimental Pedagogy Association, a foundation active on Innovation in teaching and learning. Experts from the most related departments are involved in this project dealing with CPD (continuous professional development) and knowledge awareness in a specific domain of teachers' capacities innovation.

These are some of its most recent project:

Bladedu - Blended Learning education

CommonS - towards a CommonSpaces to reuse Open Educational Resources

Up2U

Knowledge Building Group

QUID

Professor Stefano Lariccia and professor Fernando Martinez de Carnero will represent the center. The latter is part of the staff of DigiLab but he is also President of the Three-year Degree Course in Tourism Science. The course is multidisciplinary and he manages contacts related to tourism issues with colleagues in economic, legal, medical and humanistic disciplines. Professor of Spanish at the SEAI Department since 2005. Participates in different committees of university publications and journals, such as Artifara, Poéticas, EntreRíos. He has been a member of the doctorate in Linguistics, applied linguistics and linguistic engineering at the University of Turin. He has given lectures and doctoral courses both at Italian (Forlì, Roma, Torino) and Spanish (Castilla-La Mancha, Granada, Complutense and Autonoma of Madrid) Universities. He is the author of several critical editions, books articles and essays about themes of theory of Literature, magic and literature, linguist and literary genres. Author of critical editions and essays on literary theory, linguistic and literary genres. Areas of expertise: literary theory, language theory and the corpus linguistics applications. Member of the European projects CommonS, YMOBILITY and Up2U; project director of Gnome – Creation of a Paremiologic Multilingual database.

For the Department of Human Neurosciences, one of the biggest in Italy about problems in the developmental age. Among its staff, will participate:

professor Laura Bernabei who is a psychologist and CBT psychotherapist. She holds a PhD in Clinical and Experimental Neuroscience and Psychiatry, and she is currently lecturer in Clinical Psychology in the course of Primary Teacher Education at University of Rome. She was the Director of the university course of Technician of Psychiatric Rehabilitation since 2005 to 2008 at Catholic University of Sacred Heart and since 2017 she direct the same course at Sapienza University of Rome. Her interests are in cognitive remediation and emotional regulation in patients with severe mental illness.

Donatella Valente (Human Neurosciences) Associated Professor in Neuropsychiatry and Rehabilitation.

Giovanni Galeoto (Human Neurosciences department): He is currently Research Fellow at the Department of Public Health and Infectious Diseases, "Sapienza" University of Rome and PhD candidate at the Department of Human Neuroscience, "Sapienza" University of Rome.

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
CBHE	2017	585781-EPP-1-2017-1-PSEPPKA2-CBHEJP	Birzeit University
CBHE	2017	585740-EPP-1-2017-1-ATEPPKA2-CBHEJP	University of Innsbruck
CBHE	2017	585779-EPP-1-2017-1-ESEPPKA2-CBHEJP	OBREAL - Barcelona
CBHE	2017	585694-EPP-1-2017-1-ESEPPKA2-CBHESP	OBREAL - Barcelona
CBHE	2017	585832-EPP-1-2017-1-ITEPPKA2-CBHEJP	Tor Vergata University of Rome
CBHE	2017	586039-EPP-1-2017-1-ESEPPKA2-CBHEJP	University of Valladolid
CBHE	2018	598503-EPP-1-	Sapienza University of

			2018-1- ITEPPKA2- CBHEJP	Rome
CBHE	2019		609758-EPP-1- 2019-1- ITEPPKA2- CBHEJP	Sapienza University of Rome
Strategic Partnerships	2017		2017-1-TR01- KA203-046763	Sapienza University of Rome
Strategic Partnerships	2017		2017-1-PL01- KA203-038527	Sapienza University of Rome
Strategic Partnerships	2018		2018-1-IT02- KA203-048091	Sapienza University of Rome
Strategic Partnerships	2018		2018-1-ES01- KA203-050606	Universidad Complutense de Madrid
Strategic Partnerships	2019		2019-1-IT02- KA203-062984	Sapienza University of Rome
Strategic Partnerships	2019		2019-1-IT02- KA203-063321	Sapienza University of Rome
Horizon Projects	2017		732049	GEANT

## Partner Organisations

Organisation ID	E10166255
Legal name	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS
Legal name (national language)	LSMU
National ID (if applicable)	302536989
Address	A MICKEVICIAUS GATVE 9
Country	Lithuania
Postal Code	44307
City	KAUNAS
Website	<a href="http://www.lsmuni.lt">www.lsmuni.lt</a>
Telephone	+37037362383

## Profile

Type of Organisation

Higher education institution (tertiary level)

Is the organisation a public body?

Yes

Is the organisation a non-profit?

Yes

## Accreditation

Accreditation Type	Accreditation Reference
Erasmus Charter for Higher Education	LT KAUNAS13

## 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 (LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS)

Title	Prof.
Gender	Male
First Name	Remigijus
Family Name	Zaliunas
Department	Lithuanian University of Health Sciences
Position	Rector
Email	remigijus.zaliunas@ismuni.lt
Telephone	+37037327201
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS)

Title	Prof.
Gender	Female
First Name	Audrone
Family Name	Prasauskiene
Department	Children's Rehabilitation
Position	Head of the dpt.
Email	audrone.prasauskiene@ismuni.lt
Telephone	+37069840936
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).

Lithuanian University of Health Sciences (LSMU) LSMU is the leading and the largest institution of higher education and research in biomedical sciences and clinical practice in Lithuania with almost 100 years of academic experience and great potential for development. Medical teaching and research are based on cooperation with the largest health care institution in the Baltic States – the Hospital of LSMU “Kauno klinikos” and 4 research institutes including Institute of Endocrinology.

The mission of LSMU is on the basis of the fundamental and applied research data to create new knowledge for the improvement of both human and animal health and life quality, elaborate new principles for health care politics, strengthen evidence based teaching for university students, and educate society.

The main research tasks of LSMU are:

1. To create and develop infrastructure for modern fundamental and applied research and use it rationally.
2. To prepare the highest-level scientists and facilitate the growth of their scientific competence.
3. To empower internationalization of research and integration into the European Research Area.
4. To develop research to business links and increase the commercialization of research results.
5. To conduct educational activities popularizing science and increasing the prestige of science and its visibility. The distinctive features of the research in LSMU are that the research pathway starts from undergraduate level; unity of the studies, research and clinical practice; research area - from molecular mechanisms via clinical practice until population level and the orientation towards personalized medicine.

The LSMU emphasizes international and local cooperation with other Lithuanian universities and businesses. The corporation includes not only in bioscience but also interdisciplinary among various fields.

LSMU Hospital Kauno klinikos has two founders: the Ministry of Health and the LSMU. Hospital is dedicated to providing the highest quality healthcare to patients from all over the country and abroad, employs more than 1200 physicians and 2300 nurses, who provide care according to the standards of evidence-based clinical practice. The hospital has 39 departments and the annual number of outpatient consultations exceed 1.3 million visits and 94 thousand hospital admissions.

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.

Lithuanian University of Health Sciences has an extensive experience in conducting (as a manager or partner) various projects (some of them are listed below). Children's Rehabilitation department, as a representative of the University in this project will be responsible for the development of the Intellectual Output N.2: Research report on actual status about Digital learning for people with special needs/State of the art report. Children's Rehabilitation department is involved in education of students (bachelor, master and Doctoral programs), developing and conducting refreshing courses for professionals and research. This department is also involved in a clinical work: assessment of children with congenital and acquired brain and spinal cord injuries, developing rehabilitation programs, training parents. Due to the COVID-19 pandemic and quarantine measures, most of the educational activities for students and for the professionals were transformed into distance training.

Audrone Prasauskiene is M.D., child neurologist, has PhD in Public Health and Master degree in Health management. She is leading Children's Rehabilitation department since 2014, when it was established. Audrone Prasauskiene is involved in education, research and clinical work. She has an experience in developing and conducting educational courses for medical professionals in Kazakhstan, developing and running courses for parents, educational programs for students, writing research papers, tutoring master and PhD students in developing their theses.

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

Yes

Please indicate:

EU Programme	Year	Project Identification or Contract Number	Applicant/Beneficiary Name
ERASMUS+	2017	2017-1-PL01-KA202-038808	National Research Institute of Animal Production (Poland)
ERASMUS+	2019	609528-EPP-1-2019-1-GE-EPPKA2-CBHE-JP (2019-1937/001-001)	609528-EPP-1-2019-1-GE-EPPKA2-CBHE-JP (2019-1937/001-001)
ERASMUS+	2018	2018-1-SI01-KA203-047086	Visoka zdravstvena sola v Celju
Horizon 2020	2017	685451	Lietuvos sveikatos mokslų universitetas
Interreg	2017	1s-159	Finnish Environment Institute SYKE
Horizon 2020	2018	TM-17-1	German Federal Office for Agriculture and Food (BLE)
Horizon 2020	2017	733032	German Environment Agency
Horizon 2020	2017	730983	The University of Manchester

## Partner Organisations

Organisation ID	E10209402
Legal name	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA
Legal name (national language)	NTUA
Department (if applicable)	School of Electrical and Computer Engineering
Acronym	ECE
Address	HEROON POLYTECHNIUO 9 ZOGRAPHOU CAMPUS
Country	Greece
P.O. Box	000
Postal Code	15780
City	ATHINA
Website	<a href="http://www.ntua.gr">www.ntua.gr</a>
Email	<a href="mailto:ereyna@central.ntua.gr">ereyna@central.ntua.gr</a>
Telephone	+302107721348, +302107721740

Fax

+302107724181

## Profile

Type of Organisation

Higher education institution (tertiary level)

Is the organisation a public body?

Yes

Is the organisation a non-profit?

Yes

## Accreditation

Accreditation Type	Accreditation Reference
Erasmus Charter for Higher Education	G ATHINE02

## 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 (NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA)

Gender	Male
First Name	Ioannis K.
Family Name	Chatzigeorgiou
Position	Vice - Rector for Research and Lifelong Education
Email	chatzi@naval.ntua.gr
Telephone	+302107721826
Preferred Contact	No
If the address is different from the one of the organisation	No

## Contact Person (NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA)

Title	Prof.
Gender	Male
First Name	Symeon
Family Name	Papavassiliou
Department	School of Electrical and Computer Engineering
Position	Professor
Email	papavass@mail.ntua.gr
Telephone	+302107722550
Preferred Contact	Yes
If the address is different from the one of the organisation	No

## Contact Person (NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA)

Gender	Female
First Name	Maria
Family Name	Grammatikou
Department	School of Electrical and Computer Engineering
Position	Senior Researcher and Coordinator of the Network Management and Optimal Design Laboratory (NETMODE)
Email	mary@netmode.ntua.gr
Telephone	+302107721450
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).

NTUA is the oldest and most prestigious educational institution of Greece in the field of technology, and has contributed unceasingly to the country's scientific, technical and economic development since its foundation in 1836. A recent survey on the number of research projects sponsored by the European Commission classifies NTUA in the second place among all European Universities and in the fourth place among all European organizations. The group which participates in the proposed activities belongs to the NETWORK Management & Optimal DESIGN Laboratory (NETMODE – <http://www.netmode.ntua.gr>). Its research interests and areas of expertise focus on management, planning, and design of heterogeneous broadband networks that are based on evolving Future Internet technologies, emphasizing on: autonomic network management, software-defined networks, network virtualization, optimization and resource allocation, Internet-of-Things, Future Internet Research Experimentation, complex and social network analysis, mobile edge computing, data analytics, recommendation systems, multimedia interactive systems and services, topology control, cloud services, open-source tools for developing on-line multimedia course-ware, Learning Analytics, and performance evaluation of stochastic systems.

NETMODE staff consists of two Professors, seven full-time/Post-Doc researchers and more than twenty Ph.D. students. Its key personnel have extensive academic, research and industrial experience, while have held several administrative positions in research and development centers and laboratories. NETMODE members have extensive experience in Future Internet Research Experimentation and have deployed a Future Internet Testbed (Webpage: <http://www.netmode.ntua.gr/testbed>). NETMODE members have also an extensive experience in implementing open-source tools and services for online learning and training secondary education teachers in using and curating new technologies like Open Educational Resources (OERs), Learning Analytics, etc. This experience was obtained by the participation in innovative European R&D projects like Up2University (G.A. Number: 732049). NETMODE members are actively involved in several RTD programs sponsored by Greek and European organizations.

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.

The role that NTUA plays during the last 160 years in the development and progress of the country has undoubtedly been one of utmost importance and has been widely recognized. Graduates of NTUA with a strong background in Science and Technology and a Diploma equivalent to the Masters of the best Anglo-saxon Universities have been prominent members of the society, both in the academic field as well as the civil service and private business. An important number of our graduates are well known and honored “ambassadors” of Greece in many distinguished Universities and engineering companies all over the world. Our first priority is to keep abreast of modern developments in Science and Technology.

NETMODE Lab has research and development activities for more than twenty years mainly in the field of design, modelling, optimization and experimentation of heterogeneous networks based on evolving Future Internet technologies, Software Defined Networks, Edge Computing, Internet of Things, Wireless Networks and Multimedia Services. NETMODE research team has developed novel methodologies and software tools for autonomic network management, dynamic resource allocation of cloud- and edge-based systems, user mobility prediction, performance optimization of time and mission IoT-based critical applications, network embedding, user behavior modelling for interdependent wireless and computing systems, and trust management. NETMODE research team has also participated in the development of methodologies and software for e-learning in higher education, Learning Analytics and teachers' training in new technologies and pedagogical approaches. Finally, the research team has also a strong background in Cloud Services Management and Infrastructures and actively participates in several R&D initiatives.

The corresponding scientific results have been published in relevant international journals and conferences. Major/key relevant technologies have been developed in the context of past and ongoing R&D projects under several EU-funded and national activities (e.g. Fed4FIRE, Fed4FIREplus, EFIPSANS, PRODUCER, MESON, IOT2EDGE, HELNET, COSMOS, FAN-of-NUM, Up2University, GN4-3 etc.), while several of them have been applied and validated in realistic federated testbed environments (i.e. RWFIE, ORCA, 5GinFIRE, MONROE).

Dr. Symeon Papavassiliou (male) is currently a Professor with the Faculty of the School of ECE in NTUA, Director of the Division of Communication, Papavassiliou Electronic and Information Engineering, and Director of the NETMODE Lab. From 1999 till 2004 he was with the ECE Dept. at the New Jersey Institute of Technology (NJIT), where he was an Associate Professor. From 1995 until 1999 he was a Senior Technical Staff Member at AT&T Laboratories, New Jersey. His main interests lie in the areas of modelling and optimization of interdependent systems and networks, where he has more than 350 technical journal and conference published papers (with more than 7000 citations). He has participated and coordinated several national and European R&D projects. He was awarded the Best Paper Award in INFOCOM'94, the AT&T Division Recognition and Achievement Award in 1997, the National Science Foundation (NSF) Career Award in 2003, the Best Paper Award in IEEE WCNC 2012, the Excellence in Research Grant in Greece in 2012, the Best Paper Award in Adhocnets 2015, the best paper award in ICT 2016 and the best paper award in IFIP/IEEE WMNC 2019. He has served on several journal editorial positions and served on the board of the Greek National Regulatory Authority on Telecommunications and Posts (2006–2009).

Dr. Mary Grammatikou (female) is a Senior Researcher at the NETMODE laboratory of NTUA and she serves also as a teaching assistance in the School of Electrical and Computer Engineering in NTUA. She obtained her Diploma and the PhD degree in Electrical and Computer Engineering, both from NTUA. Her main research interests lie in the areas of service management, security, 5G networking architectures, multimedia analysis, e-service & e-learning architectures, and cloud computing. She has been involved in various relevant RTD projects (e.g. Up2U, NOVI, EFIPSANS, OpenLab, GN3, GN3PLUS, GN3-4) where in many times she was actively involved in the technical coordination of innovative technical solutions on the field of digital learning architectures, network monitoring and data analytics. The last years she has actively involved in the coordination role as Technical Coordinator of the Up2U European project (how to bridge the gap between the secondary education and University). She has actively worked in the GEANT monitoring and Bandwidth on Demand services, tools development and cloud services adoption and she has obtained as a member of the Education Task Force in the GEANT. She has served on several journal and conference editorial positions (e.g. JONS, SPECTS, SAM). She has more than 70 publications in high level international journals and conferences

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
H2020-ICT-2016-22	2017	732049	GEANT
H2020-ICT-2018-3	2019	857034	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY
H2020-ICT-2016-1	2017	732638	INTERUNIVERSITAIR MICRO- ELECTRONICA CENTRUM
GSRT-T1EDK	2018	T1EDK- 02947	University of Macedonia
HFRI	2019	2436	NTUA
H2020-ICT-2016-1	2017	731893	RETI TELEVISIVE ITALIANE SPA
2020-1-UK01-KA203-079283	2020	1654406	Queens University Belfast

## 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: Tackling early school leaving and disadvantage

HORIZONTAL: Social inclusion

Please comment on your choice of priorities.

Last spring, the COVID-19 pandemic forced schools to abruptly switch to digital learning without an adaptation period where solutions and pedagogical approaches could be tested, helping learners with additional needs in the transition. The keyword was “emergency”, and as a result, the students that usually require most support had to be, somehow, sacrificed. In fact, the key concept “Open and distance learning” collides with the important theme “Social Inclusion”, especially regarding learners with disabilities and special needs.

Our organizations, especially the ones dealing with learners with disabilities as CRS (a specialized clinic with direct contacts with individual teachers who support students attending schools), LUHS (a Hospital with direct contact with special schools for students with disabilities), and IPP (an institution dealing with teacher training in this specific field), consider crucial finding a strong answer to this situation. PSNC, NTUA and URoma, from their side, believe that technology can support students with disabilities instead of being a barrier.

The topic “access for disadvantaged” as well “Innovative practices in a digital era”, concepts already adopted in the previous, Horizon 2020 Up2U project, can be conveniently readjusted to support students with disabilities and other stakeholders, especially teachers and caregivers. In fact, the challenge is to be proactive and to transform this dramatic change, due to an emergency, into an opportunity to spread innovation even in fields normally less-ready to such changes (as education for students with disabilities). This involves confronting typical problems in school education like the “early school leaving and disadvantage” that are usual in students with disabilities and special needs, particularly when caregivers do not know how to complement teachers’ work and lose confidence in the whole system.

The spirit of the project is to infuse a stronger confidence in digital education tools among involved stakeholders to allow students with disabilities, even in a critical situation as the actual one, to find at the end a way to SUCCESS.

Please select up to three topics addressed by your project.

Access for disadvantaged

Disabilities - special needs

Open and distance learning

## 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?

When the COVID-19 pandemic forced most European countries to impose confinements during the winter/spring of 2020, schools were forced to close – as most public institutions – providing only remote teaching. Whilst the results of that process are yet to be fully comprehended, the consequences on students that require additional support in their educational process – especially students with disabilities - are more serious, due to the inadequacy of pedagogical models for distance learning and the lack of preparation of school staff.

This project “Supporting success for all – Universal Design Principles in Digital Learning for students with disabilities” aims to support teachers and caregivers who work with students during lockdowns, when digital tools and distance learning are the only media available for attending classes and interacting with peers. The support that the project will provide to stakeholders will consist of guidelines and a self-paced online-course based on principles of Universal Design for Learning (UDL) as well as an e-learning platform that can support the work of teachers and caregivers if needed.

The main target groups of this project are represented by teachers and by caregivers. While in a School Education Erasmus+ project, teachers are an obvious target group, our choice to also involve caregivers is justified by their decisive role in supporting digital learning. In fact, especially in the case of students with disabilities, the role of a scaffolder at home who supports teachers' efforts is central to ensure that students do not lose the improvements they made while at school.

The project does not intend to target a specific category of disability because, generally speaking, it is not feasible to gather students with only kind of disability: The choice is to cover clusters of special needs (e.g. automatic reading of texts on the screen) that are common for several categories of students that require accommodations, and not exclusively the students recognised by law as a “student with disability”. For this reason, we decided to adopt the Universal Design in Learning principle that is intended for all students to underline the fact that in the project, there is also an implicit help for all teachers to improve the quality of educational materials created ex-novo for digital learning considering different characteristics and conditions – which requires pedagogical differentiation along with technical accessibility issues. We consider this approach as the best suited in a multicultural environment as ours. Moreover, it allows us to provide a basic model that can be adopted in school environments that have different approaches to deal with students with disabilities: focusing on their social inclusion (students with disabilities supported by individual teachers who attend regular schools with their peers) or their rehabilitation process (students with disabilities that attend special schools with specialised staff and tools). In fact, Universal Design for Learning is a framework that guides instructional planning and practice, supporting learning for all students, initially developed by David Rose and Anne Meyer at the Center for Applied Special Technology (CAST). UDL principles provide general guidelines to examine how instructional goals, methods, materials and assessments interact with the learning environment, taking into consideration the increasing diversity of learners, including students with disabilities.

The project workflow starts with a needs analysis and will implement the results by using a ready-to-use e-learning platform as a potential common reference, create educational materials, and provide self-paced online training courses targeting teachers and caregivers. All materials created by the end of the project will remain available, increasing the awareness of the range of possible solutions to help students with disabilities even in a lockdown situation, giving involved stakeholders an European dimension to their difficulties and providing ready-to-use solutions.

For the success of such a project, the role of the coordinator is strategic. The coordinator of this project is Poznan Supercomputing and Networking Center (PSNC), affiliated at the Institute of Bioorganic Chemistry of Polish Academy of Sciences in Poland (Instytut Chemii Bioorganicznej Polskiej Akademii Nauk), that is a pivotal organisation at European level in digital learning, especially after the Horizon 2020 Up2U project that developed of a pan-European digital learning platform that is hosted by PSNC itself and it is used in several schools in Europe, including all Up2U project countries.

The other project partners are as follows:

- Casa Santa Rosa Istituto (CSR) - Italy
- Instituto Politecnico Do Porto (IPP) - Portugal
- Universita degli Studi di Roma "La Sapienza" (URoma) - Italy
- Lietuvos Sveikatos Mokslu Universitetas (LUHS) - Lithuania
- National Technical University Of Athens (NTUA) - Greece

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

Starting from what we wrote above, the main expected results during the project are:

1. A research to point out end users' main difficulties during the recent coronavirus lockdown as well as the opportunities that, unexpectedly, emerged.
2. The development of guidelines for inclusive education in digital environment adopting the UDL principles and adapting them to the school reality in a distance learning environment
3. The implementation of a Virtual Information Centre, a kind of repository where information and resources will be shared among involved stakeholders in creating a supranational community dealing with students with disabilities in relation to digital education.
4. The creation of a Self-Paced Online Course based on 4 demonstrative units covering some clusters of needs emerged. The course will be hosted on the existing european digital platform (Up2U) offering a potential central instance for all countries to make possible, as much technically feasible, the implementation of UDL principles in practice making it easier for teachers and stakeholders to adopt them.
5. The dissemination of the guidelines (and related training material) through scientific papers and participation (and organisation) in dissemination events.
6. Training activities will be provided by partner institutions using the Self-Paced Online Training Course. They will provide a certification to the trainees who attended training activities, with a special attention to educators. In fact the purpose is to motivate people to participate in all activities, especially teachers, giving them recognised certifications.

In a more analytical view, we can say that attended results during the project lifespan will be:

1. First part of the project:
  - 1.1. A scoping review on the impact, experiences and insights of remote training for children with special needs;
  - 1.2. A needs analysis starting from the real experience of teachers and caregivers in dealing with students with disabilities during a digital learning situation
  - 1.3. A report on existing guidelines, recommendations and other training materials from professional and other international organisations
  - 1.4. A guideline for a inclusive education in digital environment supported from a dedicated Virtual Resource Center
  - 1.5. Distance learning modules for the staff and for the parents
2. Second part of the project
  - 2.1. Pilot study on the effectiveness of the training materials in multicultural environments
  - 2.2. Research paper on the project idea and the results of the pilot study.
  - 2.3. Creation of a demonstrative course in an adopted learning platform that will try to implement the guidelines as much as possible taking into account available technology.

The main concrete results will be:

- 1) Reaching most of the stakeholders working in the fields of social inclusions of students with disabilities, either officially (teachers) and unofficially (caregivers);
- 2) Spread as much as possible a social sensitivity about the issues on the need of an inclusive pedagogy in digital environments;
- 3) Attracting a significant number of real users in schools in the partner countries (Italy, Lithuania, Poland, Portugal, Greece) as a starting point;
- 4) Being able to show a substantial number of cases of meaningful use of the tools to prove their effectiveness in helping students with disabilities and their stakeholders in enjoying a really inclusive education even in a critical situation as Covid 19 was.
- 5) Having a self-training system based on the MOOCs and on a certification system available on the internet and accessible by all users in the world.

More in general, also in terms of circulation of ideas, other outcomes of the project will be:

- 1) Greater availability and more exchange opportunities of OERs among European universities and institutions, devoted to teach/train/support disadvantaged people, starting from the ones belonging to the project's target groups.

- 2) Improved integration between online, traditional education activities, and informal education.
- 3) A change of attitude by educators and stakeholders, with a special regard to online training activities and for creating teachers-caregivers networking groups using e-twinning as social media reference.

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

There are several innovative aspects of the project, several of them had already emerged in previous sections of this application. One of the main innovative aspects is to adopt integrated tools to support highly individualised educational processes related to inclusive education toward students with disabilities. Technically speaking, it is innovative to shape technological tools to validly support these processes. Pedagogically speaking, it is innovative to contribute to develop and reinforce an approach where learners with special needs can be successful even in a digital learning environment.

The complementary aspects with previous projects are mainly:

1. URoma, PSNC, NTUA, and IPP will be able to continue the process of merging technology with pedagogy, that was the key aspect of the Horizon 2020 project Up2U where they have been working together from January 2017 to May 2020. The inclusive education aspects were not considered in that circumstance and now that this project is evolving toward an all-Europe digital learning platform the inclusion aspect became strategic.
2. LUHS will be able to exploit the experience done being involved in 2 Strategic Partnership projects: "VOTRIS - Transfer of good practices within vocational training in scientific institutions of agricultural sector" and "Training of Informal Caregivers in Elderly Care (TraCE)". Both projects were related to training and education. In addition, during the quarantine, the Children's rehabilitation department was doing a lot of remote training to the students, professionals working with children with disabilities disabled children and parents.
3. Casa Santa Rosa will be able to continue its internal project in supporting parents of its 170 students with disabilities started during the recent emergency making it a best practice worth being spread among the sister clinics in Italy and all over the world.

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?

URoma, PSNC, NTUA and IPP have been working together as partners during the last three years in the Horizon 2020 project Up2U on digital learning. During this time, they have come to know each other's expertise and started to work on this project. All of them have developed specific technological and pedagogical competencies that can be fully implemented in this kind of project.

To easily and seamlessly offer educational web applications on a big scale, PSNC is a partner to this project. PSNC is a nonprofit R&E organisation from Poland that has a wide experience as a technical partner to similar projects, both internationally and in Poland. In 2017-2020, in the Horizon 2020 Up2U project, PSNC has been coordinating pilots in 9 European countries and now, is operating and technically coordinating Up2U services being sustained after the Up2U project. The educational Up2U services are to be adopted for the purposes of this project.

IPP will continue to pursue the development of resources (including online applications and courses) to promote interaction between parents and teachers in the education of students with disabilities as in international projects "CP-PACK: Development of Supportive Packages for Parents and Teachers of Children with Cerebral Palsy (03-18 Age Group)", "Parents and Teachers working Hand in Hand: Training Programme for Parents and Teachers of Pupils with Attention Deficit Hyperactivity Disorder (ADHD)" and, most recently, project "EMPOWER ME! with sufficient attention and tempered hyperactivity Casa Santa Rosa has been involved for their important role at national level as well as their international connections. In fact, Casa Santa Rosa is part of an international religious network of care centers for people with psycho-physical disabilities disabled people. URoma works with this center for scientific purposes as well as for training purposes.

LUHS in general and Children's rehabilitation department at the LUHS in particular is involved in clinical, scientific and pedagogical work related to the children that have disability due to congenital or acquired lesions of the brain or spinal cord. They have knowledge and experience in communication with those children and their family members, they are studying their needs, barriers and facilitators for participation, have experience in producing research papers, guidelines and books.

IPP will bring its national expertise in special education combined with digital technologies.

URoma will provide technical support for education as well scientific avices to all activities of the project.

Among all partners, only Santa Rosa has never been involved in a strategic Partnership Project, albeit it has taken part in several national projects and programs and it has a strong reputation in Italy (it collaborates with URoma) and at international level (being part of an international network of care centers for people with disabilities or elders).

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

Tasks and responsibilities are distributed among partners following below principles:

1. expertise in special pedagogy and in students with disability issues
2. specific expertise in technology and in adapting tools to learning goals
3. specific expertise in OER (open educational resources) creation
4. communication and networking with stakeholders (teacher and caregivers)

Point 1 is important because of the kind of the target groups the project deals with. The clinic plan is important because the rehabilitation point of view is part in judging the project effectiveness and in helping its sustainability. This aspect interests mainly Output 1 and Output 2 because clinic tests support the building of effective tools, but it is quite transversal to all outputs. Santa Rosa and LUHS will provide the scientific support needed in coordination with URoma.

The pedagogical side will be supervised by IPP in collaboration with URoma. They will organise effective training activities for all target groups. It will be important the collaboration in this field with Casa Santa Rosa and LUHS to create a pedagogical approach that takes in account all involved stakeholders and their practical situation.

In summary, the research part of the project will consist in two phases:

- 1) The first phase will be focused on doing an analysis of the new needs/possibilities that the current pandemic situation took as well as in scoping review on existing situation related to remote learning and its effects on the health of the school staff, parents and children with special needs.
- 2) The second phase will be devoted to creating practical guidelines that can be supported from an ad hoc created e-learning platform (LMS).

The technological part of the project will be covered by PSNC and NTUA that will guarantee the specific expertise needed. It is especially true about the main aspect of the project: the implementation of new tools on a new created e-learning platform (or eventually a developed version of Up2U platform) and changes to be done on it from the user experience point of view accordingly to the pilot activities.

The communication and networking part consist of involving as many participants in the pilot activities from the partners, with the goal to test guideline's principles and technologic tools, in order to assure at the end of the project a solid result. All partners will be involved in these activities because of their pivotal roles in each country in this field and the capacity to gather stakeholders. This is also a decisive aspect for dissemination goals. All documentations and OER will be adapted and translated/subtitled to make them usable by all participant countries.

For a more detailed comprehension of task division among partners, please refer to the Management section where there is a description of the work packages as well as the Outputs section: for each output there is the list of all tasks involved with the partner responsible for that specific task.

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.

There are several associated partners because of the project's potential relevance in the sector. The involved associated partners are specified below, both at the European level as well as at the national level.

The GÉANT Association, coordinating pan-European research and education network, will be an associated partner and it will contribute in terms of dissemination of the results of the project through its community of national research and education networks (NRENs) from ca. 45 European countries. In many countries, NRENs offer services directly or indirectly to schools. GÉANT was also the leader of the Horizon 2020 Up2U project, and the learning platform from that project is to be adapted to fulfill the requirements of this current project. GEANT created and leads the Task Force on Educational Services and Activities (TF-EDU) that facilitates dissemination about such activities among NRENs.

In Italy, where the approach toward students with disabilities is their full inclusion in classes made by their peers, several schools are ready to give their contribution in the development of the output as well in their testing. All the schools are public ones and they cover all the ages of compulsory education (6 to 16) in Italy. The schools involved are:

- 1) Istituto comprensivo Luigi Pirandello, Santa Lucia (RM) - <https://www.istitutopirandello.edu.it/>
- 2) Istituto comprensivo Piazza Marconi, Vetralla - <http://www.icpiazzamarconi.edu.it/>
- 3) Istituto Comprensivo "Bruno DE FINETTI"
- 4) Istituto Comprensivo "Città dei Bambini", Mentana (RM) - <https://www.iccittadeibambini.edu.it/>
- 5) Istituto Professionale Statale "U. Tognazzi", Velletri (RM) - <http://www.alberghierovellettri.gov.it/>
- 6) Liceo James JOYCE, Ariccia (RM) - <https://www.liceojoyce.edu.it/>

IPP will invite a school cluster in Porto (Agrupamento de Escolas Alexandre Herculano) with about 2000 students, from preschool to secondary education, to participate in piloting activities. The portuguese educational system does not include any kind of special schools, so all children, from 3 to 18 years old, must be included in regular schools. This cluster is particularly suited, because it includes specific services to promote the inclusion of deaf students, students with autism, students with profound disabilities and many others with additional support needs (intellectual, motor, and learning disabilities).

In Poland, where the approach is to gather students with disabilities in special schools to provide them a specific education, teachers from "Specjalny Ośrodek Szkolno-Wychowawczy dla Dzieci Niewidomych" (Special School and Education Centre for Blind Children) in Owinska will participate in the project. They will be the target group working with the outputs of the project, especially with the learning platform and demonstrative learning materials in the pilot.

Kaunas Special school (<https://kvp.lt/>) and Education Department at Kaunas city municipality will be associated partners in Lithuania. Kaunas special school is educating children from 6 to 20 years, mainly - with motor disabilities. This school will be involved in developing and testing educational materials that will be created during project activities. Education dpt. at Kaunas Municipality will contribute to the project in terms of communicating with other schools, that educate children with disabilities and dissemination of the results of the project among pedagogs in Kaunas and Lithuania.

Casa Santa Rosa is part of an international catholic network with centres in several countries (among them, we enlist here: Spain 5 care centers, Romania 3 care centers, Brazil 17 care centers, Argentina 8 care centers, Chile 5 care centers, Paraguay 4 care centers, Mexico 3 care centers) and more than 20 other centres only in Italy. All these organisations are

associated partners to the project with a strategic role for dissemination tasks. The spanish associated partner is available in providing a spanish adaptation of the final MOOCs to adopt it also in spanish-speaking countries.

## Participants

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

We are going to have two target populations in this project: teachers and parents/caregivers. They are the key people in teaching children, when direct contact is restricted or totally impossible due to the health condition, quarantine or other causes. Teachers and parents/caregivers will be involved in three main activities:

1. Assessment of teachers, parents/carers and children needs,
2. Preparation of training materials,
3. Pilot study.

At the beginning of the project, two questionnaires will be created (one for the teachers and one for the parents/caregivers). The aim of this activity - to assess needs, their similarities and differences in different countries (Italy, Portugal, Lithuania, Poland, Greece). In general we would like to get responses from 1000 teachers and 1000 parents/carers. Questionnaires will be disseminated at schools that work with children with disabilities and express their interest in participating in the project. Information about the project will be disseminated to the schools through local education departments.

During the preparation of training materials, at least 10 experienced teachers and 10 parents/carers (in each country) will be invited to be reviewers and consultants. They will be selected after the contacts with local schools and/or education departments.

The third activity - pilot study. After preparation and translation of all training materials, they will be tested in all 5 countries. 200 teachers and 200 parents/caregivers from collaborating schools will be invited to participate in pilot training and assessment of training materials.

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.

Once the project is accepted, in the short time before the actual activities take place, we will do all administrative arrangements needed to sign the official project agreement with the national agency that provides the funds for the project.

Then, before the core activities of the project are implemented, the partners will do the following:

1. The coordinator will send to all the partners an infopack with the basic information about the project, including the practical arrangements and the skills requirements of the involved staff.
2. The coordinator will organise a preparatory meeting - the first transnational project meeting, gathering representatives from each partner organisation. The meeting will focus on key project management issues, such as:
  - The financial and administrative issues (including regular reporting) linked to the management of the project grant, for which the applicant is responsible. The rights and obligations of each organisation participating in the project will be defined in written agreements.
  - Appointment of the Quality Manager and other necessary bodies, such as Steering Committee
  - The ICT tools that will be used for the online coordination meetings among partners, as well as the agenda and the format of the meetings.
  - A precise activity schedule for the first year (detailed planning).
  - A detailed sharing of tasks among the organisations participating in the project.
  - Use of ICT tools to monitor the progress of each project activity, to ensure budget control and time management.
  - Definition of detailed conflict resolution procedures.
  - Definition of a detailed quality management plan.
  - Definition of detailed risk management planThis meeting will be followed, if necessary, by a series of online meetings to discuss and solve the specific issues that could remain open.
3. The partners will carry out the preparatory studies and activities, among which:
  - Analysis/report of the local policies to support students with disabilities
  - Analysis/report of the pre-existing tools and e-learning that can be used for the project
4. Partners hosting the transnational meeting will prepare a first proposal for the logistics and the covered topics.

## 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	5	30.000,00 EUR
Total		6	42.000,00 EUR

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'

Project Management and Implementation will cover all activities not directly covered by the funds for intellectual outputs, multiplier events, and transnational project meetings. These are mainly activities to guarantee an effective workflow in the project, coordination between partners, necessary administration work, overall project objectives like sustainability, as well as local, including physical, project partners' activities, as broken down below:

1. Project administration - management activities such as finances, coordination and communication between partners, communication with the national agency, preparing reports, proofreading.
2. Dissemination activities - such as preparing online information, social media and newsletter management, promotion leaflets, infographics, and flyers, conference entry fees, publication fees if necessary, etc.
3. Ensuring sustainability - planning, organising meetings with present and potential stakeholders, etc.
4. Local training activities - through local activities such as pilots, preparing materials, organising face-to-face and online meetings, visiting schools if needed, etc. but only if then cannot be assigned to the development of particular intellectual outputs.
5. Legal matters - proper handling of rules applicable to project activities, such as GDPR, IPR, etc.

The listed cost categories are similar for all the partners, but a concrete distribution of funds depends on particular organisation, i.e. on details including information not known yet, such as number of involved participants, face-to-face meetings with target groups, visits at schools, the scale of local dissemination activities, etc.

## 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?

We plan to have four transnational project meetings, as specified below. They will be face-to-face meetings, if the pandemic situation makes this possible. The main goal of the meetings is to present status and updates on the intellectual outputs, exchange partners' comments, and carefully plan future actions.

At least one of the project meetings will be organised together with a multiplier event to improve the project impact and allow project partners to meet local target groups: teachers and caregivers.

The first meeting, immediately after the beginning of the project, will have a preparatory objective and will allow all partners to share their technological, teaching, and clinical background as well as their placement experience, in order to better define project involvement and commitments. The objective of the final meeting will be to evaluate reached objectives.

Other meetings will focus on specific issues, such as concluded or ongoing activities. The needs analysis and adaptation of existing ICT solutions for supporting teachers and caregivers in their work with students with disabilities will be the main focus in the first year, while the training system and teaching models, strategies and methodologies will be discussed in the second year.

National coordinators will participate in all the meetings. Main themes are different so the participants will vary depending on the meeting theme itself. On average, two participants from visiting partner organisations will participate, and a few more from the hosting organisation.

The following list describes briefly the timeline and the specific contents of the meetings:

TM1 Kick-off meeting: This meeting will be held at Poznan (March 2021) and it will be organised by the project coordinator. It will be a project-launch event and in this occasion, several practical issues will be faced and solved like management, work plan, risk and quality (details are specified in the 'Preparation' section of this application). In this same occasion, PSNC will present the Up2U project, and URoma will present CommonSpaces as a possible selection of services for the learning platform.

TM2 Guidelines presentation: In October 2021, partners will meet in Porto, where IPP will present the first version of the guidelines. These will be discussed together with further project development, especially on implementing guidelines in the platform and in demonstrative learning materials.

TM3 Interim summary and start of the new phase: In June 2022, this meeting will be organised in Athens. Revised MOOCs and the learning platform will be presented, and actions for the final school year (starting around September, depending on country) will be discussed.

TM4 Final meeting: In February 2023, the last project meeting will be held in Rome to present final results, and discuss sustainability of results and final reporting. Near this meeting, a Multiplier Event will be organised in Rome, so all partners can participate to boost local dissemination.

## 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
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Kick-off meeting	Poland	03-2021	12	6.120,00 EUR
2	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Guidelines presentation and engagement plan	Portugal	10-2021	12	6.860,00 EUR
3	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Before the pilots	Greece	06-2022	12	6.120,00 EUR
4	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Final meeting	Italy	02-2023	12	4.600,00 EUR
Total					48	23.700,00 EUR

## Transnational Project Meetings Details 1

Meeting Title

Kick-off meeting

Leading Organisation

INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)

Starting Period

03-2021

Country of Venue

Poland

## Transnational Project Meetings Groups

To estimate the distances between places, please use the European Commission's [distance calculator](#)

Id	Sending Organisation	Country of the Sending Organisation	No. of Participants	Distance Band	Grant per Participant	Grant
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	2	0 - 99 km	0,00 EUR	0,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal	2	>= 2000 km	760,00 EUR	1.520,00 EUR
4	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
5	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
6	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
Total						6.120,00 EUR

## Transnational Project Meetings Details 2

**Meeting Title**

Guidelines presentation and engagement plan

**Leading Organisation**

INSTITUTO POLITECNICO DO PORTO (E10182210, PT)

**Starting Period**

10-2021

**Country of Venue**

Portugal

**Transnational Project Meetings Groups**To estimate the distances between places, please use the European Commission's [distance calculator](#)

Id	Sending Organisation	Country of the Sending Organisation	No. of Participants	Distance Band	Grant per Participant	Grant
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	2	>= 2000 km	760,00 EUR	1.520,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal	2	0 - 99 km	0,00 EUR	0,00 EUR
4	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
5	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania	2	>= 2000 km	760,00 EUR	1.520,00 EUR
6	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece	2	>= 2000 km	760,00 EUR	1.520,00 EUR
Total						6.860,00 EUR

### Transnational Project Meetings Details 3

Meeting Title

Before the pilots

Leading Organisation

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)

Starting Period

06-2022

Country of Venue

Greece

## Transnational Project Meetings Groups

To estimate the distances between places, please use the European Commission's [distance calculator](#)

<b>Id</b>	<b>Sending Organisation</b>	<b>Country of the Sending Organisation</b>	<b>No. of Participants</b>	<b>Distance Band</b>	<b>Grant per Participant</b>	<b>Grant</b>
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal	2	>= 2000 km	760,00 EUR	1.520,00 EUR
4	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
5	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
6	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece	2	0 - 99 km	0,00 EUR	0,00 EUR
<b>Total</b>						<b>6.120,00 EUR</b>

### Transnational Project Meetings Details 4

Meeting Title

Final meeting

Leading Organisation

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

Starting Period

02-2023

Country of Venue

Italy

## Transnational Project Meetings Groups

To estimate the distances between places, please use the European Commission's [distance calculator](#)

<b>Id</b>	<b>Sending Organisation</b>	<b>Country of the Sending Organisation</b>	<b>No. of Participants</b>	<b>Distance Band</b>	<b>Grant per Participant</b>	<b>Grant</b>
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy	2	0 - 99 km	0,00 EUR	0,00 EUR
3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
4	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy	2	0 - 99 km	0,00 EUR	0,00 EUR
5	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
6	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece	2	100 - 1999 km	575,00 EUR	1.150,00 EUR
<b>Total</b>						<b>4.600,00 EUR</b>

## Project Management

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

In order to control the total budget and optimize it for the project, we find it important to be aware of the budget elements as they have different cost drivers.

The budget of the project consists of the following elements:

- Funds for project management and implementation – these are fixed monthly amounts calculated pro rata temporis.
- Funds for transnational project meetings – these are calculated during the planning phase based on a cost and distance list, where the variables are the no. of participants and the distance band, plus the number of meetings.
- Funds for Intellectual outputs – these have a fixed budget defined during the planning phase based on the no. and category of resources used and time in man days.
- Budget for multiplier events – these are calculated based on the number of local and foreign participants

It is also important to consider the % of these budget elements compared to the total budget and define which costs are controllable and which are not.

From the previous description one can derive that various budget control tools will be needed, depending on the cost drivers.

In case of intellectual outputs, (which may overlap with work packages,) budget elements including time and days worked progress should be measured, with the help of the project management software tools. In these cases, progress compared to the planned effort is well described by the so-called Earned Value Analysis. First the scheduled work and the actual work completed are taken into account for the time period, versus the planned cost of the given activity. Then indexes are created, like the Schedule Performance Index (SPI), which is created by the ratio of Earned Value vs Planned Value and the Cost Performance Index (CPI) which measures Earned value / Actual Costs. In both cases, the Index should be around 1. Lower values mean insufficient progress while a value above 1 may indicate a too fast progress with the risk of forgetting key activities.

In case of budget elements defined by unit cost rules, like transnational project meetings one should monitor these rules and delegate the number of participants as budgeted.

For multiplier events, it is in the interest of the project team to plan well in advance the number of participants and try to reach this number as these are the main cost drivers.

Budget control will be performed by PSNC, the coordinator with the help of a project management software that can be integrated with a workplace software, too. Apart from monitoring all partners' expenses, collecting quarterly financial reports, reviews and reports will be performed to verify progress of the planned activities and budget spending. Short plenary bi-weekly telcos will be organised to promptly react to any deviations.

Since the project management will use a combination of Agile and Critical Path method elements, there is some built in flexibility in the system. However, activities along the critical path, as defined by the Gantt Chart should be monitored closely.

In case of severe discrepancies between planned and achieved effort the coordinator will revise the so-called PM triangle of Scope-Time-Budget and will propose corrective actions within the boundaries of the project in an extraordinary project meeting.

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.

Agile management will be carried out by PSNC through communication channels with the partners and a quick update at the end of each plenary or technical telco. Every two months project partners will report the progress, and it will be compared to the scheduled one.

In order to monitor in a systematic manner project activities and intellectual outputs, Casa Santa Rosa will draft and propose to project partners, right from the very beginning of the project, a Quality Management and Evaluation Plan. This will not be a static document. On the contrary, it will evolve as a real dynamic tool which will collect/gather either from the partnership or from other sources any tool/procedure/practice that could ameliorate the project potential. The project workflow will be based on a continuous check-and-solve process where ICT developers (PSNC and NTUA) will interact continually with all partners that represent the target group.

In practical terms, the QM Plan will scrutinize/review/monitor the various project milestones and deliverables and report accordingly to the project coordinator. Casa Santa Rosa, as QM officer, will aim at submitting to the project coordinator any recommendation that could make the project procedures more efficient. Quality and evaluation processes will be integrated in the project development process (needs analysis; transfer, adaptation and testing of tangible outputs; final exploitation and sustainability).

The objective is to ensure that throughout the project, the processes and outputs meet high quality standards and specifications. It thus aims to:

- monitor, evaluate and ensure high quality processes and outputs throughout the project lifecycle
- ensure that coordinating activities and reports are completed to an adequate quality and in a timely manner
- optimise the internal communication procedures within the partnership to safeguard the quality of project outcomes
- support a potential exploitation and sustainability by ensuring high quality deliverables.

Quality assurance and evaluation will be on-going activities from start to end of the project and will involve all partners in correspondence to their roles and tasks throughout the project lifespan. A QM report will be issued every month for internal use and every three months a public version will be made available.

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 evaluation of the project results with respect to the initial objectives will focus on:

1. The project intellectual outputs

- The effective delivery of the intellectual outputs
- The quality of these outputs. A section in the learning platform will be dedicated to the evaluation of the different project outputs by the members of the user community (teachers and caregivers). It will include online questionnaires that stakeholders will be asked to answer regularly for each product of the project, including the platform itself. It will be part of the "duties" of the community members and will both help to improve the quality of the outputs during the project's life (e.g. the user-friendliness of the platform and the quality of the contents made available) and will be part of the final evaluation of the results.

2. The project outcomes

The evaluation will aim at assessing one main issue, that is the core of the project: accessible e-learning platform and training activities.

- This evaluation will include online tests for educators, that the community members will be invited to use on a regular basis. The results of the test will be anonymised and they shall be made available to the project partners, with the express consent of the users, for the exclusive goal of the outcomes' evaluation.
- The users of the mentoring system will also carry out a regular evaluation of the mentees' achievements and improvements through informal and interactive discussions, the conclusions of which will be reported to the project staff under the above-mentioned conditions.

3. The evaluation of the processes within the community

This evaluation will be carried out through the quantitative and qualitative analysis of the interactions among the members of the community. It will also include a detailed analysis of the numbers of community members, of the frequency of their virtual visits to the project via its website, its Virtual Information Center, its Learning Platform, of the number and duration of courses / trainings they take, of the time they spend to develop the project.

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

During the preparation phase, partners will agree on conflict resolution processes, risk management, communication with stakeholders procedures, exploitation and dissemination plans, etc. Agreements will be signed in order to guarantee fruitful and intensive cooperation between the project leader and all partners.

The consortium will implement a risk management plan based on continuous risk analysis methodology that involves all partners. Throughout the project, QM officers will provide partners with an avoidance plan to suggest the right solution to prevent risks, mitigation plan to review objectives and suggest solutions to prevent risks, contingency plans to minimize risk impact once it has occurred.

The critical risks for implementation are:

- 1) Management, e.g. not meeting the deadlines. To minimize such risk, a continuous monitoring and comparison between achieved and set goals will be carried out during the whole project. If needed, manpower distribution across WPs and activities will be done to find the best trade-off between quality of the results and available resources.
- 2) Personnel, e.g. key experts leave. In such cases, experts will be replaced by the involved or another partner. The progress of the project will be continuously tracked using ICT tools, so all the information will be available, and newly-coming staff could easily get involved.
- 3) Research/development/implementation may take more effort than expected. In such a situation, partners may contribute extra effort to meet the desired goals.
- 4) Involvement of target groups - It might be difficult to involve the target groups of teachers and caregivers. In such cases, their fears together with possible incentives will be studied, involving external experts if possible. This will lead the project to properly present the value of participation in the project.

Project partners intend to prevent problems and corrective actions. In case of a problem, it will be tackled as soon as possible. Each partner is responsible for the performance of any part of its share of the project. In case of partner miss or under performance, the QM officer will try to solve the problem immediately by all possible means. If the problem cannot be solved, it will be escalated to the whole consortium. Then the consortium will either solve the problem or decide on final corrective actions.

## Implementation

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

The project activities will be organised into seven work packages (WPs). Coordinator will lead two WPs, and each of the other partners will lead one WP. The most of WPs are assigned to specific intellectual outputs of the projects to ensure direct relation between project activities and its outputs.

The work packages and their responsibilities together with the relation to particular intellectual outputs are as follows. "IOx" refers to the project's intellectual output no. x.

WP1. Project Management (Leader: PSNC) - WP1 is responsible for the overall management of the project. The overall goal is to bring people together to accomplish the planned objectives of the project using the available resources efficiently and effectively.

WP2. E-Learning platform development (leader: PSNC) - IO4 - WP2 will manage the learning platform dedicated to the project, starting from existing platforms like Up2U. It will host the IO6 (the demonstrative units and the related self-paced online training course) and be capable to host pilot activities during the project lifespan etc.

WP3. On-line communication development (leader: NTUA) - IO5, IO6 - Starting from the guidelines contents and form the need of a project webpage, this WP will guarantee a proper online communication policy during the project lifespan. It will host the community of teachers and caregivers helping the dissemination processes

WP4. Pedagogical guidelines - IPP - IO3 - This WP will focus on gathering data and existing know-how in order to create effective guidelines to be immediately adopted by schools and individual teachers together with the participation of caregivers, a key category in lockdown situations.

WP5 - Learning Content (leader: URoma) - IO5, IO6 - Relating with WP3 and WP4, WP5 will provide learning contents to be hosted in the E-Learning Platform as well as in the project website.

WP6. Pilot activities (leaders: Casa Santa Rosa) - IO6 - WP6 will follow and evaluate all pilot activities that will be done in all partner countries involving at least one category among schools, teachers and caregivers. Associated partners will be the starting group for this WP.

WP7. Dissemination and Community Management (leaders: LUHS) - IO1, IO2 - WP7 will work in producing and diffusing papers and information about the project results using tools like newsletters, conference participation etc as well as coordinating national communities of teachers and caregivers that will be created during the pilot activities.

The project will produce several intellectual outputs that will be strongly linked with the activities of the different WPs, as given above. The target of the project is to support teachers and caregivers in continuing to help students with disabilities even in a digital learning environment, especially in an emergency situation. Identifying effective needs emerged during the recent lockdown experience (IO1) will be the basis for a bottom-up strategy that aims at involving teachers and caregivers providing them theoretical (IO2) and practical tools (IO3) to exploit the digital learning situation at its best. A dedicated LMS (IO4) and a Virtual Information Center (IO5) will represent this answer. Being "training the trainers" the motto of the project, IO6 that is an asynchronous online course, will be decisive for the success of the project itself.

The specific break-down of the work to be carried into tasks is provided in the 'Intellectual Outputs' section.

### How will you communicate and cooperate with your partners?

Cooperation within the partnership will assume paramount importance in the implementation of the project and the keyword to achieve it is communication. By clear communication, we intend to keep all partners updated upon their tasks and responsibilities and aware of the work being developed by all other participants. Therefore, a project management software system will be organised in the preparation period and will be delivered to all partners in the kick-off meeting, guaranteeing that everyone is prepared to work with it. Slack software will be used to allow the organisation of activities and tasks, with definition of calendars and deadlines, permitting communication between members, either direct/private or teamwide, and the creation of repositories, on Google Drive. With this system we intend to keep every participant updated and aware of his/her own contribution to the project. We anticipate the need for several meetings, both face to face and online/virtual (every six months) for the whole team and online/virtual between participants involved in the development of each Intellectual Output and the organisation of Events and Meetings.

The meetings (presential or online/virtual, depending from the overall situation) will be thoroughly prepared, with clear agendas and with supporting materials disseminated in advance, but they will allow space for the development of team spirit and interpersonal relationships. It is also important to grant some opportunity to share values, objectives, and principles to ensure that everybody is on the same page about the project.

We plan to organise regular web conferences (at least once every 15 days) for formal discussion, sharing and exchange of information regarding project development stages. These online meetings will be recorded and published, thus offering a basic documentation to be used for various objectives: information tracking and sharing, tutorials for all community staff and participants. Information sharing will be followed by evaluation of project outcomes against expected results in order to implement any required corrective measure and to improve performance in subsequent stages.

Workgroups will be created for the various project areas: each will have its own timetable, discussion forum and document sharing repository, thus enhancing meeting and activity effectiveness.

### 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.

We plan to integrate E-Twinning with the Website and the Virtual Information Centre (output O5) for the follow-up of the project, to share information and to collect feedback. E-Twinning and the Erasmus+ Project Results Platform will be also used for dissemination purposes.

The website of the project will include a system which creates the network of several related links with workshops and events and provides results and conclusions to the project community. eTwinning will be integrated with the virtual information center of the project and collaborative results and feedback should be analysed and discussed. The integration of both systems will drive the community to advanced and collaborative new education methods and it will keep the community up to date for a long time. With this integration many events will be disseminated in both communities and also the dissemination of the results will be easier for the most appropriate stakeholders.

Additionally, both eTwinning and Erasmus+ Project Results Platform had contributed during the preparation of the project. The first one, eTwinning, provides the way it works on dissemination and the second one, Erasmus+ Project Results Platform, provides information and results based on previous analysis of other projects (like Up2U). The project will continue to use both for disseminating and also for analysing the collected data from both communities.

## 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	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic	04-2021	23.875,00 EUR
O2	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Digital learning for people with special needs - State of the art report as scoping review	03-2021	16.465,00 EUR
O3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Guidelines for the implementation of UDL principles in digital learning for students with disabilities	06-2021	20.730,00 EUR
O4	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Experimental implementation of e-learning platform to realise demonstrative courses	03-2021	42.270,00 EUR
O5	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Virtual Information, OER, and Community Management	03-2021	47.300,00 EUR
O6	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Demonstrative units and Self-Paced Training Online course	07-2021	53.260,00 EUR
Total				203.900,00 EUR

Output Title O1

Output Title

Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic

Output Type

Studies / analysis – Questionnaire development and survey implementation

Start Date (yyyy-mm-dd)

2021-04-01

End Date (yyyy-mm-dd)

2021-09-30

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

**Needs analysis:** The unpreparedness of the schools, and lack of access to materials, for appropriate digital pedagogy to support students with disabilities has been a common talking point since the advent of pandemic restrictions, and there is a clear requirement for a landscape analysis and collation of available resources. The contribution for this output will include a detailed needs analysis, synthesising individual analyses already conducted in partner institutions or countries examining the needs emerged when the entire education system moved to online education as a result of the pandemic, and a directory of existing materials for online pedagogy.

**Target groups:** school teachers involved in education for students with disabilities, caregivers, educational decision makers at different levels (policymakers, educational institutions, educators).

**Innovation:** A novel comprehensive analysis of the landscape in traditional educators moving to remote pedagogy, specifically with respect to the challenges of supporting students with disabilities and the key role of caregivers. It will focus on the new need to adapt traditional learning design as well as to adopt new pedagogical approaches, and associated training needs. The output will also include a list of existing materials mapped to support what teachers as well as caregivers ask for being helped in supporting students with disabilities in digital learning environment situations.

**Impact:** This output will enable project partners to focus their efforts more productively to where they are needed, and to support teachers and caregivers in making the best use of existing resources in the current challenging times and looking ahead to future crises. It will also provide decisive inputs to project partners in the development of materials for the project goals and pilots. All of these collectively have a strong potential for impact on the quality of education during the current pandemic and to increase crisis resilience in education going forward.

**Transferability potential:** The immediate need is for information to support the educational response to pandemic restrictions, but the needs analysis and directory of materials has the potential to serve as useful resources for educational resilience in general, and it can be transferred to other digital learning contexts where relevant, and to the wider educational sector in general, wherever similar needs and challenges are identified.

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

To achieve this IO, all partners will be involved since the early stage of the project. URoma will coordinate the activities. The specific tasks with responsible partners are as follows:

1. Questionnaire Design (LUHS) - Collection of existing questionnaires used during COVID-19 with special regards to such involving caregivers.
2. Common template (IPP) - Building, proposing and discussing a template of the questionnaire, as well as validating it in English.
3. Linguistic adaptation (NTUA) - Once the common template is defined, it will be translated and adapted to all partner countries' specific context.
4. Online preparation (PSNC) - The questionnaire will be then put online using the available technology, possibly exploiting the first version of the learning platform from IO4 that will then support the project activities. The process of collecting questionnaire responses will be centralized and standardized for easier management and analysis.
5. Elaboration and administration of the questionnaires (CSR) - This task works on the definition of a list of stakeholders potentially interested in all project countries and then in administering the questionnaire to all of them. It is expected at least a 50-60% response rate.
6. Pooling and the analysis of the data (URoma) - The results of the questionnaires will be elaborated and presented online. The results will be then analysed to help in reaching the project objectives.

Leading Organisation

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

Media

Website

Internet

Participating Organisations

Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT) ISTITUTO POLITECNICO DO PORTO (E10182210, PT)  
 INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL) LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)  
 NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)

Languages

English

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	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	0,00 EUR	8.560,00 EUR	0,00 EUR	0,00 EUR	8.560,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR
3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	0,00 EUR	3.425,00 EUR	0,00 EUR	0,00 EUR	3.425,00 EUR
4	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	0,00 EUR	1.850,00 EUR	1.100,00 EUR	0,00 EUR	2.950,00 EUR
5	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	0,00 EUR	2.960,00 EUR	1.100,00 EUR	0,00 EUR	4.060,00 EUR
6	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	0,00 EUR	2.740,00 EUR	0,00 EUR	0,00 EUR	2.740,00 EUR
Total		0,00 EUR	21.675,00 EUR	2.200,00 EUR	0,00 EUR	23.875,00 EUR

Intellectual Output Budget Details E10209458

Organisation	Country of the Organisation
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	40	0	0	40
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	8.560,00 EUR	0,00 EUR	0,00 EUR	8.560,00 EUR

### Intellectual Output Budget Details E10248958

Organisation	Country of the Organisation
Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	10	0	0	10
Grant per Day	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR

### Intellectual Output Budget Details E10182210

Organisation	Country of the Organisation
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	25	0	0	25
Grant per Day	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	3.425,00 EUR	0,00 EUR	0,00 EUR	3.425,00 EUR

**Intellectual Output Budget Details E10207949**

Organisation	Country of the Organisation
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INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland
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Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	25	20	0	45
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	1.850,00 EUR	1.100,00 EUR	0,00 EUR	2.950,00 EUR

**Intellectual Output Budget Details E10166255**

Organisation	Country of the Organisation
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LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania
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Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	40	20	0	60
Grant per Day	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.960,00 EUR	1.100,00 EUR	0,00 EUR	4.060,00 EUR

### Intellectual Output Budget Details E10209402

Organisation	Country of the Organisation
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	20	0	0	20
Grant per Day	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.740,00 EUR	0,00 EUR	0,00 EUR	2.740,00 EUR

Output Title O2

Output Title

Digital learning for people with special needs - State of the art report as scoping review

Output Type

Studies / analysis – Mapping, scientific literature review

Start Date (yyyy-mm-dd)

2021-03-01

End Date (yyyy-mm-dd)

2021-07-31

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

There are several research papers on a topic of barriers and facilitators that teachers working with disabled children were facing during the lockdown, problems that disabled children and their caregivers had due to distance learning. But so far there are no systemic or scoping literature review on the topic. The aim of our scoping review is to provide an overview of the available research evidence on a topic and to identify knowledge gaps. The main research questions will be:

1. What are the issues encountered by teachers, and caregivers related to digital learning of children with disabilities;
2. What are the documented problems that occur in educating disabled children at home during the lockdown;
3. What educational strategies have been implemented and evaluated in the home setting that address the issues related to educating disabled children during the lockdown.

This review will serve as a background information for the successful implementation of the project and as an information tool for the teachers involved in the project.

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

A scoping review will be conducted by using the Arksey and O'Malley framework (2005). It will be started just after getting the information that the project is accepted (April 2021) and finished after 5 months (October 2021). There are several activities planned for the development of this IO.

URoma will participate in the selection of the key words for the search, Selection of the inclusion/exclusion criteria, Search for the abstracts at medical databases (PubMed, Cinahl), Search for the abstracts at educational databases (EBSCO, E - RIC), Search for the reports and guidelines from international organisations and writing a report.

IPP - in Search for the abstracts at educational databases (EBSCO, E - RIC), Search for the reports and guidelines from international organisations, analysis of the selected research papers and analysis of the reports and guidelines. Santa Rosa - Selection of the research papers for the analysis.

NTUA - Selection of the research papers for the analysis, analysis of the selected research papers and analysis of the reports and guidelines.

LUHS is responsible for this IO and for the performance of all activities related to the final output.

Leading Organisation

LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)

Media

Participating Organisations

Languages

Publications

INSTITUTO POLITECNICO DO PORTO (E10182210, PT) INSTYTUT CHEMII  
BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL) NATIONAL  
TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR) UNIVERSITA  
DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

English

## Intellectual Output Budget

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

<b>Id</b>	<b>Organisation</b>	<b>Managers</b>	<b>Teachers/Trainers/Researchers</b>	<b>Technicians</b>	<b>Administrative Support Staff</b>	<b>Grant</b>
1	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	0,00 EUR	4.440,00 EUR	0,00 EUR	0,00 EUR	4.440,00 EUR
2	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	0,00 EUR	2.740,00 EUR	0,00 EUR	0,00 EUR	2.740,00 EUR
3	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	0,00 EUR	1.850,00 EUR	1.100,00 EUR	0,00 EUR	2.950,00 EUR
4	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	0,00 EUR	2.055,00 EUR	0,00 EUR	0,00 EUR	2.055,00 EUR
5	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	0,00 EUR	4.280,00 EUR	0,00 EUR	0,00 EUR	4.280,00 EUR
Total		0,00 EUR	15.365,00 EUR	1.100,00 EUR	0,00 EUR	16.465,00 EUR

### Intellectual Output Budget Details E10166255

<b>Organisation</b>	<b>Country of the Organisation</b>
LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	60	0	0	60
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	4.440,00 EUR	0,00 EUR	0,00 EUR	4.440,00 EUR

### Intellectual Output Budget Details E10182210

Organisation	Country of the Organisation
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	0	0	20
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.740,00 EUR	0,00 EUR	0,00 EUR	2.740,00 EUR

**Intellectual Output Budget Details E10207949**

<b>Organisation</b>	<b>Country of the Organisation</b>
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INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland
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Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	25	20	0	45
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	1.850,00 EUR	1.100,00 EUR	0,00 EUR	2.950,00 EUR

**Intellectual Output Budget Details E10209402**

<b>Organisation</b>	<b>Country of the Organisation</b>
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NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece
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Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	15	0	0	15
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.055,00 EUR	0,00 EUR	0,00 EUR	2.055,00 EUR

### Intellectual Output Budget Details E10209458

Organisation	Country of the Organisation
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	0	0	20
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	4.280,00 EUR	0,00 EUR	0,00 EUR	4.280,00 EUR

Output Title O3

Output Title

Guidelines for the implementation of UDL principles in digital learning for students with disabilities

Output Type

Learning / teaching / training material – Manual / handbook / guidance material

Start Date (yyyy-mm-dd)

2021-06-01

End Date (yyyy-mm-dd)

2021-12-31

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

This output will be constructed upon the results and reports of IO1 and IO2, which will provide a profound understanding of the situation experienced by parents and teachers of students with disabilities during the confinement period, and a clear overview of the state of the art in digital and distance learning for those students. The objective of this IO, then, is to systematize and structure the information obtained and search for examples of “good practices”, that will illustrate and guide the parents and teachers in the development/selection of educational resources accessible and academically relevant for all the students, thus promoting educational inclusion of students with disabilities.

The goal is to provide a methodological framework for implementation of educational digital online resources for students with disabilities, according to the principles of Universal Design for Learning. The framework will provide guidelines to: (1) analyse general questions of technological accessibility of the LMS, allowing teachers to understand strengths and weaknesses of the platform and to define appropriate ways to address the latter; (2) analyse questions of pedagogical accessibility of the contents, by understanding the specific needs of the students (including their learning styles, characteristics, disabilities), defining appropriate educational goals, design, construct and implement educational contents and tasks that address the diversity of students in the (virtual) classroom.

These guidelines, accompanied by the collection of good practices, will serve as the basis for the construction of the exemplifying course (IO4) and the MOOC's (IO5). The guidelines will be transferable to any online educational setting addressing students with disabilities (either in an inclusive or segregated context), by guiding teachers in the design and implementation of their teaching practice. A particular attention will be paid to the fundamental role of parents or caregivers in the distance teaching of students with disabilities, because in most cases they will serve as proxy agents for the teachers.

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

The development and publishing of the guidelines involve several tasks:

Task 1. Confrontation of the results of IO1 and IO2 (lead: LUHS) – This task will focus on confronting the results of the needs analysis and of the scoping literature review, to establish the due connection between them.

Task 2. Definition of the structure of the guidelines (lead: IPP) – This task will produce the framework for the guidelines, defining major topics and subtopics, as well as the flowchart for the construction of online pedagogical content according to the principles of UDL.

Task 3. Collection of “good practices” for each topic (lead: URoma) – After defining the structure and completing it with the results of the needs analysis and the scoping literature review, this task will focus on illustrating the several topics and subtopics with examples of “good practices” collected from literature and from the internet.

Task 4. Organisation of the information (lead: PSNC) – This task will focus on the organisation of the information and its presentation in a friendly format, easy to understand and to follow.

Task 5. Review and comments by partners (lead: CSR) – This task will ensure clarity and accuracy of the content, with the final revision from all the partners.

Task 6. Final version of the guidelines (lead: IPP) – This task will focus on the compilation of all comments and reviews and in the production of the final version of the guidelines, including the collection of “good practices”.

Task 7. Translation to partners’ national languages (lead: NTUA) – The guidelines will be translated into the national languages of the partners (excluding the collection of “good practices”).

Leading Organisation

INSTITUTO POLITECNICO DO PORTO (E10182210, PT)

Media

Internet

Text

Participating Organisations

Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT) INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL) LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT) NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR) UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

Languages

English Italian Lithuanian Polish Portuguese 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	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	0,00 EUR	5.480,00 EUR	0,00 EUR	0,00 EUR	5.480,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR
3	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	0,00 EUR	1.480,00 EUR	1.100,00 EUR	0,00 EUR	2.580,00 EUR
4	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	0,00 EUR	2.960,00 EUR	550,00 EUR	0,00 EUR	3.510,00 EUR
5	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	0,00 EUR	2.740,00 EUR	0,00 EUR	0,00 EUR	2.740,00 EUR
6	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	0,00 EUR	4.280,00 EUR	0,00 EUR	0,00 EUR	4.280,00 EUR
Total		0,00 EUR	19.080,00 EUR	1.650,00 EUR	0,00 EUR	20.730,00 EUR

## Intellectual Output Budget Details E10182210

Organisation		Country of the Organisation				
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)		Portugal				

  

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	40	0	0	40
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	5.480,00 EUR	0,00 EUR	0,00 EUR	5.480,00 EUR

### Intellectual Output Budget Details E10248958

Organisation	Country of the Organisation
Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	10	0	0	10
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR

### Intellectual Output Budget Details E10207949

Organisation	Country of the Organisation
INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	20	0	40
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	1.480,00 EUR	1.100,00 EUR	0,00 EUR	2.580,00 EUR

**Intellectual Output Budget Details E10166255**

Organisation

Country of the Organisation

LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)

Lithuania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	40	10	0	50
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.960,00 EUR	550,00 EUR	0,00 EUR	3.510,00 EUR

**Intellectual Output Budget Details E10209402**

Organisation

Country of the Organisation

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)

Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	0	0	20
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.740,00 EUR	0,00 EUR	0,00 EUR	2.740,00 EUR

### Intellectual Output Budget Details E10209458

Organisation	Country of the Organisation
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	0	0	20
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	4.280,00 EUR	0,00 EUR	0,00 EUR	4.280,00 EUR

Output Title O4

Output Title	Experimental implementation of e-learning platform to realise demonstrative courses
Output Type	Services / structures – E-learning platform
Start Date (yyyy-mm-dd)	2021-03-01
End Date (yyyy-mm-dd)	2023-02-28

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

This output will be an implementation of the guidelines and needs identified in objective O3 in the form of an online accessible course deployed within an existing digital learning platform, possibly from the European Up2U project. Demonstrative contents will come from O6.

This output will ensure the accessibility specified in O3 for both the course contents and the surrounding learning platform. The project will try to fulfill the accessibility guidelines as much as possible taking into account available technology solutions within the learning platform.

The first target group of this output are students with disabilities. The students will experience digital learning thanks to this accessible platform. Moreover, the created course will be targeted also at teachers to provide a demonstration on how learning contents should be prepared for accessibility, so they can later use this experience to properly prepare their future materials to the needs of their students. Caregivers will also learn how to turn the guidelines into practice to be able to better assist persons with disabilities in the future.

Many web-based learning tools are available but most of them do not pay too much attention to accessibility, as usually, people with disabilities are not the main user or stakeholder group. Moreover, the majority of educators know at least some basics of creating online materials, however only a small part actually knows how to make such contents accessible. Thus, the innovation of this intellectual output is the practical demonstration how the given guidelines can be implemented in learning contents as well as in the learning platform based on popular open-source software. This demonstration brings necessary know-how to enable educators to easily take such specific needs into account in the educator's daily work with ICT tools.

This output will be easily transferable. The accessibility will be targeted at open-source software solutions using within the learning platform, so this work can be successfully reused by similar open-source platforms. Moreover, the implementation of the course will present the reusable know-how on how to implement accessibility in learning contents.

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

The work leading to this intellectual output will be divided into following tasks, aimed at preparation of the learning platform and the demonstrative course contents, and also at validating and maintaining:

1. Integration of technology solutions (lead: PSNC) - Preparations of the selected virtual learning platform to the suggested level of accessibility. Based on the guidelines and the existing learning platform, this task will configure and integrate necessary software components and extensions to fulfill the accessibility guidelines as much as possible.

2. Learning content management (lead: URoma) - Prepare a demonstrative course contents and adjust it to the suggested level of accessibility. This task will prepare exemplary learning materials so they fulfill the accessibility guidelines as much as possible. If needed, the materials will be translated to partners' national languages.
3. Validation (lead: IPP) - Validating and testing of tools and contents prepared within tasks 1 and 2. This task will provide continuous feedback on possible deficiencies to these tasks to ensure high quality of this overall outcome.
4. IT operations and maintenance (lead: PSNC) - This task will host, technologically operate and maintain the learning platform, so it can be used by end users, especially in pilots.

Leading Organisation	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)
Media	Internet Software
Participating Organisations	INSTITUTO POLITECNICO DO PORTO (E10182210, PT) Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT) LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT) NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR) UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)
Languages	English Greek Italian Lithuanian Polish Portuguese

## 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	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	0,00 EUR	13.320,00 EUR	9.900,00 EUR	0,00 EUR	23.220,00 EUR
2	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	0,00 EUR	2.740,00 EUR	2.040,00 EUR	0,00 EUR	4.780,00 EUR
3	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR
4	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	0,00 EUR	2.220,00 EUR	0,00 EUR	0,00 EUR	2.220,00 EUR
5	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	0,00 EUR	1.370,00 EUR	1.020,00 EUR	0,00 EUR	2.390,00 EUR
6	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	0,00 EUR	4.280,00 EUR	3.240,00 EUR	0,00 EUR	7.520,00 EUR
Total		0,00 EUR	26.070,00 EUR	16.200,00 EUR	0,00 EUR	42.270,00 EUR

## Intellectual Output Budget Details E10207949

Organisation	Country of the Organisation
INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	180	180	0	360
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	13.320,00 EUR	9.900,00 EUR	0,00 EUR	23.220,00 EUR

### Intellectual Output Budget Details E10182210

Organisation	Country of the Organisation
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	20	0	40
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	102,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.740,00 EUR	2.040,00 EUR	0,00 EUR	4.780,00 EUR

### Intellectual Output Budget Details E10248958

Organisation	Country of the Organisation
Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	10	0	0	10
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR

**Intellectual Output Budget Details E10166255**

Organisation	Country of the Organisation
LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania

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

**Intellectual Output Budget Details E10209402**

Organisation	Country of the Organisation
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	10	10	0	20
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	102,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	1.370,00 EUR	1.020,00 EUR	0,00 EUR	2.390,00 EUR

### Intellectual Output Budget Details E10209458

Organisation	Country of the Organisation
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	20	20	0	40
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	162,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	4.280,00 EUR	3.240,00 EUR	0,00 EUR	7.520,00 EUR

Output Title O5

Output Title Virtual Information, OER, and Community Management

Output Type Services / structures – Other

Start Date (yyyy-mm-dd) 2021-03-01

End Date (yyyy-mm-dd) 2023-02-28

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

This output aims to provide an online center that will help teachers-caregivers to find and connect to various teachers' communities and especially for special educators. In order to fulfill this goal, we plan to create a portal that will provide information not only about the project, but also for other learning communities for students with disabilities. As a result, the final output will be used not only as a simple website, but also as a networking center where everyone interested (teachers, parents and students) will be able to contact other learning communities and to find out more about these communities.

Regarding the UI and UX design principles of the portal, we plan to examine all the best practices related to web accessibility. This is quite important in our case, as part of the visitors in the portal will be people with disabilities. The setup of the website in a secure environment and the final development of it, is also a matter that it will be examined in this intellectual output.

A forum that will be integrated with the website, will also be created for the users that will want to share their experiences regarding the special needs education.

Finally, the learning material will be also shared and organised via the project's website.

The guidelines (O3) will also be made available through the website that will include connections to the reports (IO1 and IO2) and the courses (IO6). Therefore, this website will be, at the end of the project, the main product for dissemination, congregating all the intellectual outputs.

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

The work leading to this intellectual output will be divided into following tasks, aimed at preparation of the learning platform and the project website, and also at testing and maintaining them:

Task 1: Best Practices in Web Accessibility (leader: URoma)

This task will be responsible for examining all the current trends in web accessibility and will select the most suitable for the website.

Task 2: Setup up of a safe web service (leader: PSNC)

This task will be responsible for creating a secure environment for the project website. Security and GDPR issues will be the main issues that will be examined in this task.

#### Task 3: Website Development (leader: NTUA)

This task will be responsible for the development of the website and networking center. Website will be implemented based on the principles that will be defined in the first task. The website will be also integrated with an open source website analytics solution. The development of the forum will also be a part of the activities of this task. The website will include a virtual information center and a system to create links with all the related conferences, workshops and other events which support education and learning like etwinning. It will be a center of knowledge for all stakeholders.

#### Task 4: Organisation of the information - Virtual Resource Center (IPP)

This task will be responsible for organising and collecting all the information that will be available in the project website. This information will not be only the project's news, but also links and news from learning communities

#### Task 5: Community Management and Content Translation (leader: LUHS)

This task will be responsible for managing the project community as well as it will coordinate translation of virtual resources to national languages by project partners, if necessary.

Leading Organisation

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)

Media

Internet  
Software

Participating Organisations

Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT) ISTITUTO POLITECNICO DO PORTO (E10182210, PT) INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL) LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT) UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

Languages

English Greek Italian Lithuanian Portuguese Polish

## 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	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	0,00 EUR	8.220,00 EUR	6.120,00 EUR	0,00 EUR	14.340,00 EUR
2	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR
3	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	0,00 EUR	5.480,00 EUR	2.040,00 EUR	0,00 EUR	7.520,00 EUR
4	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	0,00 EUR	8.880,00 EUR	6.600,00 EUR	0,00 EUR	15.480,00 EUR
5	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	0,00 EUR	2.960,00 EUR	1.100,00 EUR	0,00 EUR	4.060,00 EUR
6	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	0,00 EUR	2.140,00 EUR	1.620,00 EUR	0,00 EUR	3.760,00 EUR
Total		0,00 EUR	29.820,00 EUR	17.480,00 EUR	0,00 EUR	47.300,00 EUR

## Intellectual Output Budget Details E10209402

Organisation	Country of the Organisation
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	60	60	0	120
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	102,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	8.220,00 EUR	6.120,00 EUR	0,00 EUR	14.340,00 EUR

### Intellectual Output Budget Details E10248958

Organisation	Country of the Organisation
Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	10	0	0	10
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.140,00 EUR	0,00 EUR	0,00 EUR	2.140,00 EUR

**Intellectual Output Budget Details E10182210**

Organisation	Country of the Organisation
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	40	20	0	60
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	102,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	5.480,00 EUR	2.040,00 EUR	0,00 EUR	7.520,00 EUR

**Intellectual Output Budget Details E10207949**

Organisation	Country of the Organisation
INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	120	120	0	240
Grant per Day	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
Grant	0,00 EUR	8.880,00 EUR	6.600,00 EUR	0,00 EUR	15.480,00 EUR

### Intellectual Output Budget Details E10166255

Organisation	Country of the Organisation
LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	40	20	0	60
Grant per Day	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.960,00 EUR	1.100,00 EUR	0,00 EUR	4.060,00 EUR

## Intellectual Output Budget Details E10209458

Organisation	Country of the Organisation
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	10	10	0	20
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	162,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	2.140,00 EUR	1.620,00 EUR	0,00 EUR	3.760,00 EUR

## Output Title O6

Output Title	Demonstrative units and Self-Paced Training Online course
Output Type	Open / online / digital education – Massive Open On-line Course (MOOC)
Start Date (yyyy-mm-dd)	2021-07-01
End Date (yyyy-mm-dd)	2022-09-30

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

This output will be made by some demonstrative units supporting specific learning needs (for example reading aloud software for blind students as well as for dislessic ones) with a course that will train teachers and caregivers in using them conveniently. The need analysis will be done starting from previous IO1 with a focus on participants involved in the pilot activities. There will be surveys and analysis to understand the cluster of special needs to target in order to create units that can help project stakeholders. Then a specific training course will be created targeting teachers as well as caregivers. Obviously the course will be created in a way attendants will be able to focus on their specific interests (pedagogy for teachers, scaffolding aspects for caregivers). Innovation here is the importance given to caregivers and in the use of online self-paced courses to train all stakeholders. The online course will be created as a self-paced online course that will be reusable and easily adaptable after the project lifetime. It will be tested through 2 iterations during the project life span. The first pilot will test the first release of this MOOC. Then feedback will be gathered and improvements will follow for creating the final release of the MOOC for the final evaluation process.

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

Task 1: needs analysis starting from the project's stakeholders (LUHS)

This task will be responsible to gather stakeholders' main needs listing them starting from the Associated Partner list in collaboration with the dissemination WP. Target groups will be selected in the partner countries to test the produced material

Task 2: Demonstrativ units and Mooc design (IPP)

Starting from the guidelines and integrating them with stakeholders' needs, this task will identify 3 clusters of special needs designing 3 demonstrative units to be hosted in the LMS. Considering these units, this task will also provide a course design to train teachers and caregivers in using (and creating) these demonstrative units.

Task 3: Mooc creation (URoma)

This task will realize what was previously only designed by task 2. Moreover, working together with task 5 and 6, it will improve the created mooc to create the final one

Task 4: Adaptation in pilot languages (NTUA)

This task will adapt all multimedia material created in previous tasks in all project language through subtitles or translation

Task 5: Pilot testing (Casa Santa Rosa)

This task will coordinate the pilot activities that will test the material in all partner countries.

**Task 6: Evaluation and Feedback analysis (PSNC)**

This task will work especially on the evaluation of units and of the MOOCs to improve them through an analysis of the feedback of the pilot groups that will be considered representative of the target groups.

Leading Organisation

Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza  
(E10248958, IT)

Media

Interactive Resource  
Internet

Participating Organisations

INSTITUTO POLITECNICO DO PORTO (E10182210, PT) INSTYTUT CHEMII  
BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL) LIETUVOS  
SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT) NATIONAL  
TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR) UNIVERSITA  
DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

Languages

English Italian Lithuanian Polish Portuguese 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	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	0,00 EUR	17.120,00 EUR	2.430,00 EUR	0,00 EUR	19.550,00 EUR
2	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	0,00 EUR	8.220,00 EUR	0,00 EUR	0,00 EUR	8.220,00 EUR
3	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	0,00 EUR	4.440,00 EUR	1.650,00 EUR	0,00 EUR	6.090,00 EUR
4	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	0,00 EUR	5.920,00 EUR	1.650,00 EUR	0,00 EUR	7.570,00 EUR
5	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	0,00 EUR	4.110,00 EUR	1.530,00 EUR	0,00 EUR	5.640,00 EUR
6	UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	0,00 EUR	2.140,00 EUR	4.050,00 EUR	0,00 EUR	6.190,00 EUR
Total		0,00 EUR	41.950,00 EUR	11.310,00 EUR	0,00 EUR	53.260,00 EUR

## Intellectual Output Budget Details E10248958

Organisation	Country of the Organisation
Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	80	15	0	95
<b>Grant per Day</b>	0,00 EUR	214,00 EUR	162,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	17.120,00 EUR	2.430,00 EUR	0,00 EUR	19.550,00 EUR

### Intellectual Output Budget Details E10182210

Organisation	Country of the Organisation
INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	60	0	0	60
<b>Grant per Day</b>	0,00 EUR	137,00 EUR	0,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	8.220,00 EUR	0,00 EUR	0,00 EUR	8.220,00 EUR

### Intellectual Output Budget Details E10207949

Organisation	Country of the Organisation
INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	60	30	0	90
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	4.440,00 EUR	1.650,00 EUR	0,00 EUR	6.090,00 EUR

**Intellectual Output Budget Details E10166255**

Organisation	Country of the Organisation
LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
<b>No. of Working Days</b>	0	80	30	0	110
<b>Grant per Day</b>	0,00 EUR	74,00 EUR	55,00 EUR	0,00 EUR	
<b>Grant</b>	0,00 EUR	5.920,00 EUR	1.650,00 EUR	0,00 EUR	7.570,00 EUR

**Intellectual Output Budget Details E10209402**

Organisation	Country of the Organisation
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	30	15	0	45
Grant per Day	0,00 EUR	137,00 EUR	102,00 EUR	0,00 EUR	
Grant	0,00 EUR	4.110,00 EUR	1.530,00 EUR	0,00 EUR	5.640,00 EUR

### Intellectual Output Budget Details E10209458

Organisation	Country of the Organisation
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)	Italy

Category of Staff	Managers	Teachers/Trainers/Researchers	Technicians	Administrative support staff	Total
No. of Working Days	0	10	25	0	35
Grant per Day	0,00 EUR	214,00 EUR	162,00 EUR	0,00 EUR	
Grant	0,00 EUR	2.140,00 EUR	4.050,00 EUR	0,00 EUR	6.190,00 EUR

## Multiplier Events

Do you plan to include Multiplier Events in your project?

Yes

## Multiplier Events Summary

ID	Leading Organisation	Event Title	Starting Period	Grant
E1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Presentation of the current results: learning platform, OERs, and training courses	09-2022	5.000,00 EUR
E2	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Final improvements of the results collected and design the closing of the project	09-2022	3.000,00 EUR
E3	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Presentation of the current results: guidelines, publications	12-2021	3.000,00 EUR
E4	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Presentation of the current results of the project	03-2022	3.000,00 EUR
E5	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Presentation of the results of the	02-2023	6.600,00 EUR
Total				26.600,00 EUR

ID	Leading Organisation	Event Title	Starting Period	Grant
		project and of the MOOC		
E6	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Presentation of the results of the project	02-2023	6.000,00 EUR
Total				26.600,00 EUR

Grant support for Multiplier Events can only be asked for if the project intends to produce substantial Intellectual Outputs. Other dissemination activities will be supported via the grant item Project Management and Implementation.

## Multiplier Event Details E1

Event Title

Presentation of the current results: learning platform, OERs, and training courses

Country of Venue

Poland

Start Date (yyyy-mm-dd)

2022-09-13

End Date (yyyy-mm-dd)

2022-09-13

Event Description (Including : Targets groups and objectives)

The goal of this event is to disseminate about the project and, more specifically, present the current status intellectual output O4, O5, O6 to the local community. The learning platform will be presented together with demonstrative learning materials. The training plan will also be shared.

The target audience is mainly teachers to participate in the training. The meeting will serve as kick-off and an incentive for the new phase of training starting in the new school year.

Intellectual Outputs Covered

Virtual Information, OER, and Community Management

Experimental implementation of e-learning platform to realise demonstrative courses

Demonstrative units and Self-Paced Training Online course

Leading Organisation

INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)

Multiplier Event Budget

ID	Organisation	Country of the Organisation	Local Participants	Foreign Participants	Grant per Local Participant	Grant per Foreign Participant	Grant
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	50	0	100,00 EUR	200,00 EUR	5.000,00 EUR
Total							5.000,00 EUR

## Multiplier Event Details E2

Event Title

Final improvements of the results collected and design the closing of the project

Country of Venue

Greece

Start Date (yyyy-mm-dd)

2022-09-13

End Date (yyyy-mm-dd)

2022-09-13

#### Event Description (Including : Targets groups and objectives)

The goal of this event is to evaluate all results gathered up to that time and to design the improvements for all the Intellectual Outputs up to the end of the project. The learning platform will be demonstrated together with demonstrative learning materials. The training plan will also be shared for evaluation and feedback. The target groups are teachers and caregivers.

#### Intellectual Outputs Covered

Virtual Information, OER, and Community Management

Experimental implementation of e-learning platform to realise demonstrative courses

Demonstrative units and Self-Paced Training Online course

Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic

Digital learning for people with special needs - State of the art report as scoping review

Guidelines for the implementation of UDL principles in digital learning for students with disabilities

#### Leading Organisation

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)

### Multiplier Event Budget

ID	Organisation	Country of the Organisation	Local Participants	Foreign Participants	Grant per Local Participant	Grant per Foreign Participant	Grant
1	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (E10209402, GR)	Greece	30	0	100,00 EUR	200,00 EUR	3.000,00 EUR
Total							3.000,00 EUR

### Multiplier Event Details E3

Event Title

Presentation of the current results: guidelines, publications

Country of Venue

Poland

Start Date (yyyy-mm-dd)

2021-12-07

End Date (yyyy-mm-dd)

2021-12-07

#### Event Description (Including : Targets groups and objectives)

The goal of this event is to disseminate about the project and, more specifically, present the current status intellectual outputs O1, O2, O3, O5 to the local community. The target audience is mainly interested teachers. The meeting will serve as public consultations for further directions of the project.

#### Intellectual Outputs Covered

Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic

Digital learning for people with special needs - State of the art report as scoping review

Guidelines for the implementation of UDL principles in digital learning for students with disabilities

Virtual Information, OER, and Community Management

#### Leading Organisation

INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)

#### Multiplier Event Budget

ID	Organisation	Country of the Organisation	Local Participants	Foreign Participants	Grant per Local Participant	Grant per Foreign Participant	Grant
1	INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK (E10207949, PL)	Poland	30	0	100,00 EUR	200,00 EUR	3.000,00 EUR
<b>Total</b>							<b>3.000,00 EUR</b>

### Multiplier Event Details E4

Event Title

Presentation of the current results of the project

Country of Venue

Portugal

Start Date (yyyy-mm-dd)

2022-03-15

End Date (yyyy-mm-dd)

2022-03-15

#### Event Description (Including : Targets groups and objectives)

The goal of this Multiplier Event is to present the results of the first 5 intellectual outputs of the project to local teachers, parents, and other stakeholders. Besides the dissemination of the results, the multiplier event will also be useful to attract participants to the implementation of the MOOC.

Target groups are teachers, school administrators, parents and caregivers, and other stakeholders.

#### Intellectual Outputs Covered

Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic

Digital learning for people with special needs - State of the art report as scoping review

Guidelines for the implementation of UDL principles in digital learning for students with disabilities

Virtual Information, OER, and Community Management

Experimental implementation of e-learning platform to realise demonstrative courses

#### Leading Organisation

INSTITUTO POLITECNICO DO PORTO (E10182210, PT)

## Multiplier Event Budget

ID	Organisation	Country of the Organisation	Local Participants	Foreign Participants	Grant per Local Participant	Grant per Foreign Participant	Grant
1	INSTITUTO POLITECNICO DO PORTO (E10182210, PT)	Portugal	30	0	100,00 EUR	200,00 EUR	3.000,00 EUR
Total							3.000,00 EUR

### Multiplier Event Details E5

Event Title

Presentation of the results of the project and of the MOOC

Country of Venue

Italy

Start Date (yyyy-mm-dd)

2023-02-15

End Date (yyyy-mm-dd)

2023-02-15

#### Event Description (Including : Targets groups and objectives)

At the end of the project, a multiplier event will be organised in Rome to gather Italian stakeholders and other project partners' country representatives. The objective of the meeting is to share the final results of the project and disseminate its outputs.

It will be hosted by Casa Santa Rosa. It will be organised as a conference where teachers and caregivers will be able to meet and share their experiences.

#### Intellectual Outputs Covered

Experimental implementation of e-learning platform to realise demonstrative courses

Demonstrative units and Self-Paced Training Online course

Virtual Information, OER, and Community Management

Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic

Digital learning for people with special needs - State of the art report as scoping review

Guidelines for the implementation of UDL principles in digital learning for students with disabilities

#### Leading Organisation

Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)

#### Participating Organisations

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA (E10209458, IT)

### Multiplier Event Budget

ID	Organisation	Country of the Organisation	Local Participants	Foreign Participants	Grant per Local Participant	Grant per Foreign Participant	Grant
1	Casa Santa Rosa Istituto delle Figlie Santa Maria della Divina Provvidenza (E10248958, IT)	Italy	50	8	100,00 EUR	200,00 EUR	6.600,00 EUR
Total							6.600,00 EUR

## Multiplier Event Details E6

Event Title

Presentation of the results of the project

Country of Venue

Lithuania

Start Date (yyyy-mm-dd)

2023-02-14

End Date (yyyy-mm-dd)

2023-02-14

#### Event Description (Including : Targets groups and objectives)

The aim of the event is to present the results and intellectual outputs of the project, to discuss the issues related to the use of educational materials. Teachers and parents will be asked to share their insights during the meeting.

Target groups of the event are teachers and parents.

#### Intellectual Outputs Covered

Analysis of the challenges and needs of students with disabilities when all schools shifted to online teaching without sufficient training as a result of the COVID-19 pandemic

Digital learning for people with special needs - State of the art report as scoping review

Guidelines for the implementation of UDL principles in digital learning for students with disabilities

Virtual Information, OER, and Community Management

Experimental implementation of e-learning platform to realise demonstrative courses

Demonstrative units and Self-Paced Training Online course

#### Leading Organisation

LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)

### Multiplier Event Budget

ID	Organisation	Country of the Organisation	Local Participants	Foreign Participants	Grant per Local Participant	Grant per Foreign Participant	Grant
1	LIETUVOS SVEIKATOS MOKSLU UNIVERSITETAS (E10166255, LT)	Lithuania	60	0	100,00 EUR	200,00 EUR	6.000,00 EUR
Total							6.000,00 EUR

## 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)
Total				0,00 EUR

Follow-up

Impact

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

**PARTICIPANTS.** We do not expect any negative impact on any person directly or indirectly involved in the project. We expect that everyone involved in the project will have a fruitful time while participating in brainstorming meetings, creating and implementing training materials, sharing and discussing project results. This project will involve quite a big number of people, so making professional and personal contacts is a second great impact. Thirdly, the project will improve the quality of education and empower teachers and caregivers. And the main impact of the project will be improved quality of life of the disabled children and their caregivers.

**PARTICIPATING ORGANISATIONS.** Different kinds of organisations will be involved in the project: schools, universities and other organisations. The main and common impact for them all will be the sense of being a part of the international community. The staff involved in the project will gain knowledge, experience and necessary habits on creating and implementing successful international projects. Organisations will take the opportunity to learn from each other and share their knowledge and expertise.

As stated before, the project will engage two types of participants: school teachers, and caregivers that live with disabled children.

**CAREGIVERS** will learn how to use the developed resources to support students with disabilities in autonomous dealing with daily lessons or with their personalised learning process. We expect that most of them will be parents or relatives so we cannot expect they have specific pedagogical competencies. The project aims to cover this aspect.

**SCHOOL TEACHERS** will gain additional competences and acquire a new instrument to assist them in: 1. communication and training parents raising children with disabilities; 2. the empowerment of students with disabilities in the development/maintenance of new knowledge and/or those social inclusion skills. All of them will be persons with specific education and significant experience.

**IMPACT on other STAKEHOLDERS.** The project outcomes will create the opportunity to reconsider the organisation of the services, eventually allowing schools and organisations that work with students with disabilities to refocus their work, managing the available resources and focusing in the specific needs of the individuals they work with adapting the available tools.

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

#### Desired IMPACT AT LOCAL/REGIONAL AND NATIONAL LEVEL

Besides the direct impact in the participating and partner organisations, the project aims to extensively disseminate its outputs at local/regional and national level. National teams will organise a list of stakeholders, mainly institutions that can benefit from the outputs of the project, and that may be able to implement them in promoting the quality of life of students with disabilities in a digital learning environment. They will be involved from the start of the project to ensure they are aware of the project, its goals, and the intellectual outputs. A bimensal newsletter will be disseminated to the network of stakeholders. The multiplier events will be organised with the participation of representatives of those institutions and organisations. Long term the proposed work will contribute in increasing the number of educated teachers and caregivers in Europe. This will create a positive impact to the students with disabilities in Europe and it will increase their self confidence for their capabilities.

More details on country-specific activities and related impact are provided in the 'Dissemination and Use ...' section.

#### Desired IMPACT AT EUROPEAN/INTERNATIONAL LEVEL

The results and experience received at national level of organised multiplier events can be transferred to other countries (at international level) to receive even greater impact. The implementation of the project will provide customizable resources that can be easily translated into different languages and into different contexts. That way, international dissemination of the project's intellectual outputs will also be one of the goals of the project. Specifically the resources developed will be shared using a huge network like the GÉANT one as well as the Casa Santa Rosa one, so the impact will be truly continental for both target groups, teachers and caregivers. Moreover, previous connections of the participating institutions will be activated to promote the dissemination of the intellectual outputs.

Finally, all tools and services the project is going to design, implement and use will be sustainable after the project's end, as described in dissemination and sustainability sections. Teachers and stakeholders awareness will continue to increase through the SUCCESS framework.

How will you measure the previously mentioned impacts?

Impact will be measured by the follow indicators:

- 1) Completeness of the created lists of stakeholders at national level
- 2) Effective creation of a mailing list for distributing project updates
- 3) Creation of the newsletter to be sent to all involved stakeholders on a regular basis
- 4) Number of multiplier events successfully organised
- 5) Number of participants in the multiplier events.
- 6) Number of enrollments to the Self-Paced Online Training Course distributed among the project countries
- 7) Number of participants to the pilot activities (teachers, caregivers)
- 8) Number of visitors to the project website
- 9) Satisfaction of the participants with the intellectual outputs, measured in a qualitative scale via questionnaires
- 10) Number of citations of the project results in media not directly managed by the partnership itself

## 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.

The target audience of dissemination activities is defined on the per-country basis, as it is strongly related to activities planned by particular partners.

At the EU level, the target groups will be schools participating in the Horizon 2020 Up2U project as well as National Research and Education Networks (NRENs). In 2017-2020, the Up2U project has involved hundreds of schools from 9 European countries creating the Up2U community of schools and users. Partners of this current project have connections with the community either directly in their countries or through partner institutions of the Up2U project. On the other hand, ca. 45 European NRENs are coordinated by the GÉANT Association that is an associated partner to this project. PSNC, NTUA, and URoma participate in GÉANT's Task Force on Educational Services and Activities (TF-EDU) that facilitates dissemination about such activities among NRENs. In many countries, NRENs offer services directly or indirectly to schools, so they can easily reuse the outcomes of this project in their communities.

In Poland, special schools are dedicated to children with disabilities. The main target groups will be teachers of such schools, as they are facing a big challenge of distance learning. Such groups of teachers will be involved mainly at local level. Dissemination via established connections of PSNC with regional and central government agencies may enable the project to disseminate to teachers at the regional and the national level. In particular, guidelines and their implementations in the form of the learning platform and learning materials will be disseminated to groups of educators to increase awareness of ICT needs of people with disabilities.

In Greece, there is a mixed case. In one case there are dedicated schools with children with disabilities and in the second case which is the most trivial there are individual teachers who follow few students with disabilities during their stay in class with their peers helping them in an effective social inclusion. The main challenge will be to engage both teachers coming from different schools and the teachers coming from dedicated schools to join the training activities and MOOCs courses for improving their skills on education for the children with disabilities. The main challenge will be to distribute the results to all stakeholders for creating a new education environment for these students. In Greece several events will be held to disseminate the results of these courses and several national and international publications will enforce this direction.

In Italy, there are individual teachers who follow few students with disabilities during their stay in class with their peers helping them in an effective social inclusion. The main target will be this kind of teachers coming from different schools. Caregivers are a target for Italy too, because often teachers cannot stay with their children all time long, which is critical when using digital solutions: caregivers have to support their sons' learning of their students. The use of the national system of CPD (Continuous Professional Development) that is mandatory will assure a strong dissemination of the project outputs, especially the most important, the final MOOC. In this way the awareness of ICT needs of people with disabilities will become more understandable to all stakeholders and also to public authorities.

In Lithuania, students with special needs are educated in specialised and general schools. So teachers educating those children and working with their parents/caregivers are the main target group. Educational materials that will be developed during implementation of this project will be tested and adapted in one specialised school and then disseminated all over Lithuania through regional and central educational governmental and professional organisations. Scoping review on the topic of barriers and facilitators of distance education during the lockdown will be conducted at the beginning of the project. It will be submitted for the publication to the professional journal and accessible for the professionals and lay people.

In Portugal, the educational system is inclusive and, therefore, all children, from 3 to 18 years old must be enrolled in “regular” schools - there are no public special schools. All teachers, thus, must be prepared to teach any children, independently of disability or other conditions, with support from special education teachers, when necessary. This project, then, targets all school teachers (in regular or special education) nationwide. On the other hand, parents and caregivers of students with disabilities and other support needs will be targeted, because they are fundamental elements in the implementation of distance education.

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

All project partners prepared preliminary plans for sharing the project results, as detailed below. In addition, centrally-coordinated activities are planned.

The project will disseminate via its website, the newsletter, and social media channels. This will be an opportunity to create a community of people following project results as well as to collect new engagements from interested people reached via social media.

At the EU level, PSNC, NTUA, and URoma, together with the associated partner GÉANT, will disseminate about this project through the Task Force on Educational Services and Activities (TF-EDU) led by GÉANT that is meant to facilitate dissemination of such activities among European NRENs. Past Up2U partners - PSNC, NTUA, URoma, and IPP - will also reuse their connections to high schools involved in the Up2U project to increase awareness of using ICT solutions for students with disabilities.

In Poland, PSNC maintains several learning platforms for K12 schools (i.e. primary and secondary schools) and other communities. In those communities, the awareness of the needs of people with disabilities with regard to ICT tools as well as tools' accessibility are low. PSNC plans to reuse several outcomes of this project to improve awareness and ICT solutions used in various environments. The guidelines (O3) together with specific software solutions presented in the learning platform (O4) will be adopted in other existing ICT solutions hosted by PSNC. This will be done either by directly using the same software extensions or by implementing the guidelines, depending on technical constraints of the existing solutions. Also the learning materials (O5) will be used to demonstrate what is the way to prepare contents on the internet in a convenient way for people with disabilities.

In Greece, NTUA will contact the Greek School Network and will organise a number of events to discuss with teachers and find about the needs of the students. Also a number of events will continue with the results of the training and education and with new methods based on the new learning platform (O4) and learning material (O5), that will inform teachers about the progress on this way of education. NTUA will work on publications and will organise national workshops to share the results with the community.

In Italy, the partners will work to share the results of the project in their respective target groups: teachers for SUR and caregivers for Casa Santa Rosa. The latter will exploit its Italian network of similar centres to share with the biggest number of operators, psychologists, parents, and all stakeholders the results of the project organising several internal lectures as well as structured CPD activities open to all stakeholders. Also not-Italian centre belonging to the same network (in Spain or Romania for example) will be involved in the dissemination of the results using the network internal communication medium. Sapienza University of Rome will share the results with papers and publications in conferences and magazines. Moreover, it will adopt the e-learning platform and the self-paced online course in its educational programs, especially the CPD ones.

In Lithuania, there will be two main partners: Kaunas specialised school and Kaunas educational department at Kaunas municipality. 1. Kaunas educational dpt. will help in dissemination questionnaires and conducting a study on the needs of teachers that work with disabled children and their caregivers. They also will disseminate information about the project locally and nationally. 2. Kaunas specialised school will help in testing and adapting training materials. 3 Both partners will help in organisation of the final meeting (multiplier event E4). They will present their insights about the course and organisation of the project. The national coordinator of the project and invited speakers will present general results of the project and intellectual outputs.

In Portugal, the team will involve professional and academic associations and networks in the dissemination of the MOOC and the Virtual Resource Center (which includes the several intellectual outputs), as well as the Portuguese Federation of Parents Associations. The dissemination of the project will be also made in social networks, for instance in Facebook groups that address issues related with special education and educational technologies.

The Portuguese team will also organise events to present the outcomes of the project to the administrators of school clusters nationwide (online session), and to teachers and parents (online sessions). Dissemination of all the products will also happen in the websites of the Center for Research and Innovation in Education (inED) and of the School of Education.

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?

Lithuanian University of Health Sciences will be responsible for the implementation of WP7 "Dissemination and Community Management". Good dissemination is one of the important factors of the success of the project.

There are two important dissemination activities that should be kept clear and active.

Communication of insights of the project is a very important part of general management and administration of different activities inside the country. Regular online meetings of the group of national coordinators, sharing new ideas, discussing results and processes will help to get best results. The "way" how national coordinators will communicate with their partners inside the country, how they will manage activities, and disseminate results of the project that are already achieved will also be a very important part of the process. Permanent disseminating results and activities outside the project community will also be very important.

LUHS will work in producing and diffusing information inside and outside the project community. National coordinators will produce newsletters in English on processes and achievements in their country. If necessary those newsletters will be translated into national languages. LUHS will also encourage centers responsible for developing IO to produce quarterly reports (in English) and to inform the project community on the new developments in their country. LUHS will develop a resource centre, so national coordinators will easily find necessary information for organising national meetings and training activities.

All national coordinators have enough knowledge and experience and know their national community best, so they will provide successful communication and dissemination of all necessary information.

Resources created by the project will be used for the communication and dissemination of the information. These are the learning platform, the project website, the Virtual Resource Center.

Additionally, social media will also be used for external communication.

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.

There will be no limitation to access any project outputs.

Any research paper will be published in the open-access form. All reports will be published under an open license in the project website. The learning materials and the self-paced online course hosted in the project e-learning platform will be freely accessible. The learning platform will be created based on existing open-source solutions to ensure reproducibility of this tool by other parties.

The open-access policy will be ensured also for the period after the project lifetime, as explained in the answer for the following question.

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

The project website and the learning platform are the main delivery channel for project outputs. The project website will be maintained also after the project lifetime. The learning platform will be available for at least one year after the end of the project. The sustainability section provides more details.

The learning materials and the self-paced online course will be hosted both in the learning platform as well as in a packaged version in the website. Thus, the learning contents will be still accessible even if the learning platform is not.

The software components behind the learning platform to be adopted are currently freely hosted in GitHub - <https://github.com/up2university/>. This project will continue this approach for publicly sharing software components or service configuration details, so the technology stack can be easily reused by other parties in case the learning platform is shut off at some point (but no earlier than one year after the end of the project).

The research papers (outputs O1 and O2) will be published and freely available in journals and in the project website, also after the project lifetime.

If relevant, please provide any other information you consider appropriate to give a full understanding of your dissemination plan and its expected impact (e.g. how you have identified which results are most relevant to disseminate; how you will ensure the involvement of all partners; how you see synergies with other stakeholders, etc.)

The ultimate goal of this project is to reach a better, safer and more productive life for disabled children and their parents/caregivers in face of CORONAVIRUS or any other lockdown. We are going to deliver the best-quality training materials to the teachers and caregivers, test their effectiveness and appropriateness in five countries and make them available for the international pedagogical community for free.

First of all we are going to produce six intellectual outputs. Each partner is responsible for one intellectual output. Moreover, each partner will also contribute to other intellectual outputs, especially as specified in the 'Intellectual Outputs' section, in the break-down of the particular outputs into single tasks. Every IO will be relevant enough for dissemination.

Secondly, we expect that our intellectual outputs will be used and implemented in the pedagogical communities of the other countries. Therefore the GÉANT, an organisation that is a fundamental element of Europe's e-infrastructure, delivering the pan-European GÉANT network for scientific excellence, research, education and innovation was invited to become the associated partner and accepted the invitation. GÉANT will contribute in sharing the results of the project among all its partners in Europe exploiting the network of school teachers communities it manages via its homepage and internal conferences, as well as in its international Task Force on Educational Services and Activities (TF-EDU).

## 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?

Project partners will share the responsibility of preparing for sustainability of project results, and all actions will be coordinated by PSNC. Specific activities for sustainability are specified below for each participating institution.

Sapienza University of Rome (Italy) will adopt the course in its training programs for future school teachers (Pedagogy Department in connection with Neuroscience) as well as for the Continuous Professional Development courses that are offered to professional teachers to update their knowledge. These courses are mandatory by law, so they will be exploited consequently. In case it will be needed, SUR can also provide a hosting service for the self-paced online courses after the end of the project.

Casa Santa Rosa (Italy) will continue to offer the courses to all caregivers attending its center as well all centers of its organisation network. The courses will be offered as a free support service for all caregivers who come to the center for clinical assistance to children with disabilities. In collaboration with Sapienza University of Rome, Casa Santa Rosa will also reinforce its network with special teachers who support students with disabilities at school, allowing them to connect directly with therapists and personnel specialised in rehabilitation processes.

NTUA (Greece) will continue providing courses to the teachers and maintain the website with the information needed for teachers. National events will be created and after the end of the project to continue supporting the stakeholders.

PSNC (Poland) will continue to host and maintain the central learning platform, which is meant for all the participating countries, for at least one year after the project ends. Further extension of this period depends on the uptake and availability of other funding sources. It is important to say that PSNC is the main technical stakeholder in the community of the Horizon 2020 Up2U project, and it is involved in several ongoing activities towards sustaining the project outcomes. Thus, it is very likely that this platform could be maintained within the service portfolio of the Up2U project in the future. Apart from that, software components or service configuration details will be hosted in GitHub for free, so the platform will be available for reusing even if not hosted by PSNC at some point. Moreover, learning materials available in the platform will be packaged and offered in the long-living project website.

In Lithuania, one of the partners of LUHS will be an Educational dpt. of Kaunas city municipality. Among other tasks, this department is responsible for the professional training of pedagogical staff working in general and specialised schools. So with the professional support from LUHS, training materials for teachers developed during this project will become a part of regular refreshing courses available for teachers from all Lithuania.

IPP (Portugal) will include the results of the intellectual outputs in the syllabus of several courses in the training of school teachers and special education teachers. IPP will also promote inservice training programs to continue the dissemination of the outputs and, simultaneously, to continue the collection of good practices in the use of UDL approach in distance learning of students with disabilities.

## 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)
ICHB_PAN_DeclarationOnHonour.pdf	1,579

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

File Name	File Size (kB)
01_Mandate_CasaSantaRosaIstitutoDelleFiglieSantaMariaDellaDivina.pdf	814
02_Mandate_nstitutoPolitecnicoDoPorto-digital.pdf	440
03_Mandate_UniversitaDegliStudiDiRomaLaSapienza.pdf	839
04_Mandate_LeituvosSveikatosMOKsluUniversitetas.pdf	926
05_Mandate_NationalTechnicalUniversityOfAthens.pdf	855

Please attach any other relevant documents.

File Name	File Size (kB)
2020-10-28 Success - Letter of Intent_GEANT.pdf	175
Total Size (kB)	5,628

## 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: PL01 Foundation for the Development of the Education System

## 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

## Submission History

Version	Submission Time	Submitted by	Submission ID	Submission Status
1	28-10-2020 21:33:41	marco.montanari@uniroma1.it	1682814	Submission OK