Managing Authority: Prime Minister's Office of Hungary

Hungary-Slovakia-Romania-Ukraine

ENI Cross-border Cooperation Programme

2014-2020

Grant Application Form

for the 2nd Call for Proposals_2017

Open call procedure for regular project proposals

Deadline for submission: 30/11/2017

1.Generalinformation

1.1. Projectidentification

Reference of the call for proposals	HUSKROUA/1702
Thematic objective[1]	6. TO - Environmental protection, climate change mitigation and adaptation
Programme priority[2]	6.1 Sustainable use of the environment in the cross border area
Project full title	New Energy Solutions in Carpathian area
Project acronym	NESiCA
NameoftheLeadApplicant[inEnglish]andcountryof registration[3]	State University 'Uzhhorod National University', Ukraine
Applicant(s)[4]	Self-Government of Szabolcs-Szatmar-Bereg County Stefan cel Mare University of Suceava Non-Governmental Organization "European Initiatives Centre"; Technical University of Kosice University of Nyiregyhaza

[1] Section 1.3 of the Guidelines forApplicants
[2] Section 1.3 of the Guidelines forApplicants
[3] Section 2.1.2 (a) in the Guidelines forApplicants
[4] Section 2.1.2 (c) in the Guidelines forApplicants

1.2. Information on the LeadApplicant

Name of the Lead Applicant	StateUniversity‘UzhhorodNationalUniversity’ DVNZ"UzhhorodskyiNatsionalnyiUniversytet"
Legal status[5]	Public
Postal address	UzhhorodPidhirna 46 88000 Ukraine
Telephone/fax	+380312233341
Email	official@uzhnu.edu.ua
Contactpersonandpositionwithintheorganization/ institution:	Ms. Prof. MyroslavaOleksandrivnaLendel vice-rector
Mobile and e-mail of the contact person	+380312233341 +3800505045142 mlendel@bagel.com.ua
Website of the Lead Applicant	http://www.uzhnu.edu.ua/

[5] Section 2.1.1 (1) in the Guidelines for Applicants. The statutes must make it possible to ascertain that the organisation was set up by an act governed by the national law of the country concerned (Hungary, Slovakia, Romania and Ukraine). In this respect, any legal entity whose statutes have been established in another country cannot be considered as an eligible local organization

1.3. Information on the otherApplicants

Name of Applicant 1	SzabolcsSzatmárBeregMegyeiÖnkormányzat Self-Government of Szabolcs-Szatmar-Bereg County
Country of registration of Applicant 1	Hungary
Name of Applicant 2	Universitatea Stefan cel Mare Suceava Stefan cel Mare University of Suceava
Country of registration of Applicant 2	Romania
Name of Applicant 3	HromadskaorganizatsiaCentrYevropeiskykhInitsiatyv" Non-Governmental Organization "European Initiatives Centre"
Country of registration of Applicant 3	Ukraine
Name of Applicant 4	Technickáuniverzita v Košiciach Technical University of Kosice
Country of registration of Applicant 4	Slovakia
Name of Applicant 5	NyíregyháziEgyetem University of Nyiregyhaza
Country of registration of Applicant 5	Hungary

1.4. Summary of theProject

Location of the project activities	Applicant 5 - NYE, Hungary, Szabolcs-Szatmár-Beregmegye, Nyiregyhaza Applicant 4 - TUKE, Slovakia, Košickýsamospávnykraj, Kosice Applicant 3 - EIC, Ukraine, Zakarpattia, Uzhhorod Applicant 2 - USV, Romania, Suceava, Suceava Applicant 1 - SZSZBMO, Hungary, Szabolcs-Szatmár-Beregmegye, Nyiregyhaza Lead Applicant - UzhNU, Ukraine, Zakarpattia, Uzhhorod
Nature of the project[6]	Integrated Project
Type of the action[7]	Soft with infrastructure component
Duration of the project (months)[8]	24
Project overview	The cross-border area concerned is a single and compact cross-border area that has similar characteristics and challenges. Challenges it tackles: Energy is the factor with the most significant impact on the economic and tourism development, being an essential element of sustainable development, therefore the efforts made by each of us to improve the way we use energy must become a priority. But till today renewable energy sources have a minimal role in the current energy structure. Energy education is fundamental and is the long-term solution to cultivate people's green living senses. Besides, there are great needs in communities/small cities and villages in making the effective decisions in saving energy and using the renewable resources of energy. The project makes great contribution to the global GHG emission reduction with implemented pilots aimed to protect the environment and its resources. The overall objective of the project is to promote energy efficiency and renewable energy sources through education activities in Universities and communities aimed at sustainable use of the environment in border regions. The following achievements and changes will be reached as a result of project realization: Improved regional situation of sustainable use of the environment in the cross-border area because of the effective and innovative energy solutions in communities provided as a result of cooperation with Universities and professional institutions. The following results are expected: 1. Increasedcapacitiesinrenewableresourcesof energy in communities and educational institutions in borderregions 2. Population of border regions served by new EnergyinfrastructureinHU,SK,RO,UA.3pilotcommunities in each country: appr. 15000pers. 3. Raisedawarenessofthepopulationbyproviding new educational sessions and informational exchange. The project proposes the innovative approach based on cooperation: Universities- Self-Governments - NGOs- Communities.
Planned total budget of the project	**1 104 707,30**
Requested EU contribution	**994 236,56**
- % of total eligible cost of Project	**90,00%**

[6] Section 2.1.3 (c) in the Guidelines for Applicants: the projects can be either integrated (where each partner carries out a part of the activities of the joint action on its own territory) or symmetrical (where similar activities are carried out in parallel in the eligible territory of two or more countries)

[7] Infrastructure refers to a set of works, activities or services intended to produce physical assets such as roads, bicycle lanes, bridges, buildings (e.g.: rehabilitation of a bridge or building 3 km of bicycle lanes). Soft with infrastructure component comprises of a mixture of works, activities and services that include both non-physical and physical assets (e.g. new rules, policies or training for emergency intervention together with rehabilitation of a building that would host the intervention team and equipment). Soft: a project in which the project's activities produce results that are not necessary tangible. A soft project starts with an idea and results in specific accomplishments that are distinguished from the initial situation (e.g: capacity building, sharing best practice, setting up a network, writing a research, etc.

[8] Section 2.1.3 in the Guidelines for Applicants

1.5. Partnership

1.5.1. Composition of thePartnership

The project activities and responsibilities of each partner were developed taking into account the experience and capacities of the Lead Applicant and each Applicant. The Partnership was formed with the participation of High Educational Institutions, self-governments and NGOs, namely:

- Lead Applicant, UzhNU is the biggest University in Zakarpattia oblast with 13 000 students and 430 staff that has capacities and great needs in introduction of the innovative solutions in energy sector and makes a great contribution into knowledge and innovations exchange within the project.
- Self-Government of Szabolcs-Szatmár-Bereg Region (Hungary) has related competences, experience and capacity and makes a great contribution into the project objectives achievement through the development of the 3 pilot energy saving strategy for 3 settlements and activities in communities.

- Stefan cel Mare University of Suceava (Romania) has the experience in renewable energy using and energy using monitoring technologies. The capacity of Stefan cel Mare University includes 10 000 students and 370 staff with 3 departments related to energy management that contribute to the energy monitoring and creation of the energy laboratory based on its experience. There are 10 faculties in Stefan cel Mare University of Suceava (USV), including the Faculty of Electrical Engineering and Computer Science, which includes the Electrical Engineering Department.
- NGO “European Initiatives Center” was established in 2008 and has wide networking and experience in establishment of the Energy Demonstration Center and realization of the programmes for youth in energy sector as well as in the partnership with educational institutions and communities. It provides activities aimed at the development of the feasibility studies for 3 pilot communities.
- Technical University in Kosice has 700 pers. administrative staff and 3 departments. It has related experience in the development of the Smart Energy Buildings, e.g. newly created Innovation Park in Kosice.
- University of Nyiregyhaza is the biggest University in Szabolcs-Szatmár-Bereg region and has great capacities and commitment to implement energy educational component in the frames of the project.

Experience and best practices of each partner are planned to be used within the project and a number of feasibility studies for communities and educational sessions for students are planned to be developed as a result of trainings.

1.5.2. ArrangementsamongPartners/beneficiaries

The project idea is the result of previous discussions between the partners who all agree that effective combination of the educational programmes in energy and practical approaches in communities are the key to achieving long-term behavioural changes in the rational use of energy and the use of renewable energy sources. A number of partners meetings aimed at discussions regarding project preparation, project activities and related costs were held: 14.09.2017 in Suceava, 18.09.2017 in Nyiregyhaza, 12.10.2017, 24.10.2017, 7.11.2017 in Kosice, 26.09.2017 and 18.10.2017 in Uzhhorod. All applicants empowered Uzhhorod National University to represent the partnership. Partners closely cooperate in the development and future implementation of the project based on joint staffing and financing as well as joint responsibilities. Partners also agreed the financial contribution that should be co-financed within the project, responsibilities for ensuring implementation of the project. Besides, the project objectives and main activities were discussed with target groups: students, young teachers and local communities; and they agreed the support of the project idea by Beneficiaries at local level. All partners agreed to sign the partnership agreement before the project realization.

Each Applicant realises the importance of energy programmes for population and implementation of the pilot projects in communities aimed at sustainable energy use and welcome the opportunity offered by the ENI Cross- border Cooperation Programme to initiate an action in this direction. NESiCA project is very important for Ukrainian beneficiaries taking into account the newly formed communities in Ukraine according to the Decentralization process. New energy solutions are a very important component of the further development of cooperation between newly established communities in Ukraine and communities in Hungary, Slovakia and Romania that is the added value of the project.

1.5.3. Taskdistribution/identificationofrolesduringtheprojectimplementation

Applicants held a number of joint project preparation meetings and closely cooperate on the basis of joint staffing, joint development and joint implementation. LA and each Applicant play an important role in providing achievements. UzhNU

plays the role of coordinator; A1, A2, A3, A4, A5 support and ensure the project results achievement at local level. Tasks of each partner were developed capitalizing the previous achievements and skills, namely:

1. LA, Uzhhorod National University, coordinates the project activities, cooperates with A1, A2, A3, A4, A5, and represents the partnership. It implements the infrastructure component on the basis of energy solutions in the swimming pool and provides training programmes in UzhHU with the support of A1, A2, A3, A4, A5.

2. A1, Self-Government of Szabolcs-Szatmár-Bereg Region (Hungary) provides strategic development activities and actions in pilot communities in HU, ensures project results achievement at CBC and local levels,

3. A2, Stefan cel Mare University of Suceava, coordinates the implementation of activities in RO, provides trainings in energy monitoring and coordinates the process of Energy Innovation Laboratories establishment.

4. A3, European Initiatives Center, provides the communication with communities, establishment of the Energy Laboratory in UA, provides the support in development of the intelligent energy models for pilot communities/buildings.

5. A4, Technical University in Kosice, coordinates implementation of activities in SK, provides pilot activities aimed at energy storage system; provides trainings in intelligent energy models development for communities.

Each partner has its own tasks that contribute to the achievement of project results: A2 and A5 provide the development of energy monitoring outputs; A4 provides Energy storage and development of feasibility studies; A1 and A3 provide energy activities for communities.

6. A5. University of Nyiregyhaza provides strategic development activities and coordinates the process of Energy Innovation Laboratory establishment using the experience of A2, A3, A4, provides trainings and educational activities

2. ProjectDescription

2.1. Overall objective of theProject

Overallobjectiveoftheprojectistopromoteenergyefficiencyandrenewableenergysourcesthrougheducationand practical activities in communities in order to support the sustainable use of the environment in border regions of Ukraine, Hungary, Romania and Slovakia. The project will greatly contribute to the Programme specific objective “Environment protection, climate change mitigation and adaptation” by providing the strong platform for implementation of the actions for energy efficiency and the use of renewable energy sources. The following achievementswillbereached:improvedregionalsituationofsustainableuseoftheenvironmentinthecross-border area due to the effective and innovative energy solutions in communities provided as a result of cooperation with Universities and professional institutions. The strategic approach in energy efficiency will be introduced and the activitiesaimedatenergyefficiencywillbeharmonisedontheEUandnon-EUsidesoftheborder.

2.2. Please describe the specific objectives of yourproject.

Taking into account the identified needs of the border area, the specific objectives of the project are:
• Providing strategic approach in energy efficiency and renewable energy sources in border regions through the development the Cross-Border Cooperation Energy Concept for pilot communities and Universities based on the clusters approach: Universities-Communities; strengthening cross-border cooperation; facilitating the exchange of experience and best practices between the partners and pilot communities regarding regional sustainable energy strategies,awarenessandeducationpolicies,actionsandprojectscarriedoutintheirregionthroughworkshopsand study tours organized in each partnerregion.
• Raising awareness, competence and skills of the population in border regions in protecting the environment and to contribute to the global GHG emission reduction and its resources provided by joint activities and cooperation, establishment of the joint institutional base, sustained informational flow in energy sector; establishment of specialized energy innovation centres and laboratories in each target region for providing energy monitoring, efficiencyandrenewableenergysourcesusingandprovidingsupportforcommunitiesandyoungspecialistsaswellas students; creating trained teams in each partner region through common trainings of the personnel that will be running the centre which will then be able to teach and advice the visitors on sustainable energy and climate change issues, holding thematic workshops, trainings and best practices exchangesessions.
• Increasing the presently low energy efficiency by joint initiatives, namely: energy innovation system for swimming pool in UzhNU, energy storage system for Technical University in Kosice, Established Energy Laboratories for communitiesinNyiregyhaza,SuceavaandUzhhorodaimedatenergymonitoring,developmentoftheconceptsofthe new solutions for pilot communities and Universitybuildings.

2.3. Logical frameworkmatrix

	Intervention logic	**Indicators**	**Sources and means of verification**	**Assumptions (What other conditions must exist?)**

Overall objectives	The project will contribute to the level of awareness, competence and skills in renewable energy technologies and energy efficiency interventions among communities and institutions as well as to the global GHG emission reduction. The medium-term impact: Increased share of renewable energy resources in communities, energy production and consumption. The long-term impact: to contribute to the global GHG emission reduction.	• increased numberof tourists and visitors in border regions (e.g. in green hotels); • reduced globalGHG emission; • increased awarenessof population regarding renewable resources in border regions.	• projectreports; • web-sites; • statisticalinformation at national and local levels; • surveys providedby independent experts; • reports ofAuthorities and Self-Governments, press-releases, and Mass Media information.	• no economicmeltdown in the region in the next period; • availability ofthe financial resources for Project activities implementation; • commitment ofthe partners to provide follow-up activities after project realization.
Specific objectives	1. To provide the strategic approach in energy efficiency and renewable energy sources in border regions. 2. To raise awareness, competence and skills of the population in border regions regarding global GHG emission reduction and renewable energy sources opportunities. 3. To increase the presently low energy efficiency by joint initiatives, established energy innovation system in UzhNU and Technical University in Kosice, established Energy Laboratories for communities.	1. Number of facilitated collaborations and common concepts in energy efficiency (established according to the developed Joint Energy Concept): 12 units. 2. Number of persons/communities that received information regarding the renewable energy: 2000 pers. 3. Number of trained experts in energy sector: 60 persons 4. Number of established energy efficiency and renewable energy production interventions: 5	1. Registration lists of the project activities participants. 2. Number of visitors of the web-sites. 3. Project reports. 4. Press-releases.	1. Availability of financial resources for Action implementation 2. Positive attitude of the local communities to the project 3. No great changes in Authorities and educational institutions, including the staff changes in Universities that are the partners and self-governments.

Expected results	1. Reduction of negative environmental impacts through rationalization of strategies, activities and infrastructure provided by the developed Joint Energy Concept with Energy Smart Community component. 2. Enhancing communication and experience exchange in energy efficiency sector. 3. Increasing the awareness, competence and skills in renewable energy technologies and energy efficiency interventions among population and institutions in border regions.	1. Number of developed joint concepts of renewable energy using in border regions: 1 concept 2. Number of participants of the experience exchange sessions: 60 pers. 3. Number of facilitated collaborations and common concepts in energy efficiency (established according to the developed Joint Energy Concept): 12 units. 4. Number of established energy innovation centres: 5 units. 5. Number of established energy efficiency and renewable energy production interventions: 5	1. Registration lists of the project activities participants. 2. Number of visitors of the web-sites. 3. Project reports. 4. Press-releases.	1. Availability of financial resources for Action implementation 2. Positive attitude of the local communities to the project 3. No great changes in Authorities and educational institutions, including the staff changes in Universities that are the partners and self-governments.
Activity Group 1 Activity 1,2,3,4,5	Strategic approach to the sustainable energy solutions with communities. Development of the Energy Smart Community Concept based on the clusters approach: University – Community – NGOs and businesses. 1. Forming the experts groups (EGs) and holding working meetings. 2. Conducting basic researches. Identification of 3 pilot communities. Holding thematic workshops and establishment of Energy Laboratories.	Skilled human resources and financing events, travels, meetings. Equipment for Laboratories.	1. Registration lists of the project activities participants. 2. Number of visitors of the web-sites. 3. Project reports. 4. Press-releases.	1. Availability of financing in the framework of the ENI programme 2020 2. Stable political situation in border regions, economic stability. 3. Active participation of the stakeholders in the Action activities.

Activity Group 2 Activity 1,2,3,4,5	Establishment the informatinal and institutional base to provide sustained educational courses and practice support in energy management.	Skilled human resources and financing events, travels, meetings. Equipment for Energy Centers.	1. Projectreports; 2. Web-sites; 3. Statisticalinformation at national and local levels; 4. Surveys providedby independentexperts; 5. Reports ofAuthorities and Self-Governments, press-releases, and Mass Media information.	1. Availability of financing in the framework of theENI programme2020 2. Stable political situation inborder regions, economic stability. 3. Active participationof the stakeholders in the Actionactivities.
Activity Group 3 Activity 1,2,3,4,5	Raising awareness of the population on the need to protect the environment and its resources by holding thematic workshops, trainings and best practices exchange sessions. Forming the cluster approach for communities: Universities – NGOs – Communities. Development of educational and touristic routes. Development and distribution of booklets with Maps of routes and promotion materials.	Financial resources for publications, web-platform development, related equipment, skilled experts and project staff.	1. Registration listsof the project activities participants. 2. Number of visitorsof theweb-sites. 3. Projectreports. 4. Press-releases.	1. Availability of financing in the framework of theENI programme2020 2. Stable politicsituation in border regions, economicstability 3. Active participationof the stakeholders in the Actionactivities.
Activity Group 4 Activity 1,2,3,4,5	Installation of the renewable energy system in the swimming pool building in Uzhhorod National University. Preparation works. Announcement of the Tender Procedure and Procurement Rules implementation. Construction works.	Financing of the works and renewable energy system. Human resources and skilled experts.	Narrative and financial reports, information in Local media, newsletters and press-releases.	• Financing ofthe planned project activities; • No big changes in tenderprocurement rules; • No economic meltdownintheregion in the nextperiod; • No exchangerate fluctuations.
Activity Group 5 Activity 1,2,3,4,5	n/a	n/a	n/a	n/a

Activity Group 6 Activity 1,2,3,4,5	Project management and communication. Holding video-conference meetings and working meetings of project staff. Holding monitoring sessions and evaluation of the project results. Holding press-conferences and producing thematicfilms for project results promotion. Dissemination of the main publications: Energy Concept, feasibility studies, press-releases and newsletters, booklets.	Financing of the planned activities: video-conferences costs, human resources and skilled experts with related competences and commitments.	1. Registration lists of the project activities participants. 2. Number of visitors of the web-sites. 3. Project reports. 4. Press-releases.	• Financing ofthe planned project activities; • No big changesin tender procurement rules; • Noeconomic meltdown in the region in the next period; • No exchangerate fluctuations.

2.4. Indicators

	Source of verification	Base value	Target value	Activities Group
Whichis/aretheProgrammeresultindicator(s)towhichtheprojectwillcontribute?Consult section 4.8 of the JOP for the Programme outputindicators				
Increased capacity in environmental protection and climate change mitigation (Based on surveys (baseline, mid-term, final) among key stakeholders e.g. water directorates. relevant NGOs institutions, authorities)	According to the survey,project repost, web- site information, statistics	4,44	4.8	
WhicharetheProgrammeoutputindicator(s)towhichyourprojectcontributes?Consultthe list of programme result indicators in section 4.7. of theJOP.				
Number of persons activelyparticipatingin environmental actions and awareness raising activities(COI17)	registration lists and project reports	0,00	2 000,00	
Number of waste, wastewater, energy efficiency or renewable energy production interventions (programme specific indicator)	project reposts and web-site, media reports	0,00	2	

Surface area of habitats supported in order to attain abetter conservation status, ha(COI15)	developed Energy Concept and feasibility studies	0,00	1	
Which are the expected **results of your project** (e.g. number of regional policy changes, numberofmembersoftargetgroupgivenadditionaltraining,percentagereductionofcertain pollutants in a river system, number of new business start- ups). Please mention all project expectedresultsaswellasthecorrespondingActivitiesGroupwheretheyareachieved				
Increased capacity in renewable energy using based on the developed feasibility studies and concepts for 12 communities	project reports	0,00	12,00	Strategic approach
Increased capacity in renewable energy using based on surveys and developed CBCEnergy Concept	Reports	0,00	2 000,00	Strategic approach
Increased capacity in renewable energy based on trainings	registration lists	0,00	80,00	Institutional base creation
Increased capacity of Universities based on the developed energy efficiency of Universities buildings and campus	project reports	0,00	12,00	Institutional base creation
Increased capacity in renewable energy based on skills earned during the exchange sessions	project reports	0,00	21,00	Raising awareness
Increased capacity in renewable energy based on the provided educational programmes for UA students.	registration lists of the project activities	0,00	200,00	Raising awareness
Increased capacity of Universities based on developed energy efficiency of Universities buildings and campus	project reports, vide-report	0,00	2,00	Raising awareness
Renewable energy system in the swimming pool of UzhNU	project reports, video-reports, informationin MassMedia	0,00	1,00	Renewable energy system in UzhNU
Which are the **outputs that define your project** and would measure its progress (e.g. number of reports written, number of seminars held, kilometres of riverbed cleaned, number of innovationcentres opened)? Please mention all project expected outputs as well as the				

Number of persons activelyparticipatingin environmental and awareness raising actions	press-releases and project reports	0,00	2 000,00	Strategic approach
Number of energy efficiency and renewable energy production interventions	project reports and developed feasibility studies	0,00	2,00	Strategic approach
Surface area of inhabitants supported in order to attain a better conservation status	Media and project reports	0,00	14 000,00	Strategic approach
Number of persons activelyparticipatingin trainings	registration lists of participants, evaluation lists, reports	0,00	16,00	Institutional base creation
Number of persons activelyparticipatingin trainings	registration lists and project reports	0,00	21,00	Institutional base creation
Number of energy efficiency and renewable energy production interventions	project reports	0,00	4,00	Institutional base creation
Number of persons activelyparticipatingin environmental actions and awarenessraising	project reports	0,00	20,00	Raising awareness
Number of energy efficiency and renewable energy production interventions	feasibility studies	0,00	12,00	Raising awareness
Surface area of inhabitants supported in order to attain a better conservation status	project reports	0,00	2 000,00	Raising awareness

2.5. Preconditions, transferability andsustainability

2.5.1. Preconditions andassumptions

The main preconditions and assumptions are the following: 1. Financing in the framework of the ENI programme. 2. Stable economic and social context. 3. Active participation of the stakeholders in the Action activities. To provide the mentioned preconditionstheprojectteamdevelopedandsubmittedthisActionforfinancingtheplannedactivities.Thestrategicapproach willbeprovidedandtheactivitiesaimedatraisingthecommitment(contests,promotionactivities)areplannedtobeheld.After project implementation each partner should provide the follow-up activities based on the developed Joint Action Plan. Each partner has great commitment to provide follow-up activities after the project end due to partners' competence and responsibilities according to the statutes, and tasks of each institution. Beneficiaries and main stakeholders introduce a great interesttohavelessdependencyonimportedenergysourcesandwillusetheprojectoutputsaftertheprojectimplementation.

2.5.2. Dissemination, capitalisation and possibilities for replication andextension

Within the project great possibilities for extension of Project outputs (multiplier effect) are planned to be realized. The developed CBC Energy Concept with New Solutions for communities and best practices are planned to be developed. Each partner will publish the CBC Energy Concept in its national language and disseminate it among the target groups. Established Energy Innovation Centres and Energy Innovation Laboratories will provide educational and monitoring services for main stakeholders (youngteachers,experts,students,communitiesandinstitutions)withfurtherintroductionofprojectresultsbythetargetgroups. Eachpartnerhasrelatedtaskstopromoteprojectresultswithinnationalandtransnationalnetworks,associations,etc.Facilitated partnerships within the project will provide dissemination of project results and synergies with other projects developed and implemented by partners. The developed CBC Energy Concept for border regions provides high level of synergy with other local andnationalstrategicdocuments.Publishednewsletterswillprovideprojectresultsdescriptionateachstageofprojectrealization and will be the guidelines for the next initiatives in other regions and countries. Web-site as one of the most important disseminationchannelswillbeestablished.Academicinstitutions,NGOs,Communitiesandbusinessesinterestedinprojectresults cancontactEnergyInnovationCentresestablishedineachpartnerregionandreceiverelateddata.

2.5.3. Financial and institutional sustainability of theproject

TheActionprovidesstrongsustainabilityoftheprojectresultsafterthecompletionoftheprojectthroughtheimplementationof theJointEnergyConceptandActionPlan.TheActionPlanwasdevelopedcapitalisingthebestpracticesandcompetencesofeach Applicant based on financial and institutional capacity. Within the project the strong and reliable Partnership Network and Working groups with the participation of the Academic institutions (Universities), NGOs and Communities will be formed. As a result of the project, a number of facilitated partnerships creating a strong platform for institutional sustainability of the Action after the completion will be formed. Besides, Energy Innovation centres with the offices and trained staff in each partner region will be created. Energy Innovation Centres will have the developed communication tools based on video-conference and web-platformcommunicationthatcontributestotheinstitutionalsustainabilityoftheAction.Thefinancialsustainabilityoftheproject results will be secured by each Applicant according to its tasks and competences with the partnership of local authorities and educationalinstitutionsthatarethemainbeneficiariesoftheprojectresults.Thefurtheractivitieswillbeprovidedbyallocations fromthelocalbudgetandownbudgetswithintheimplementationoftheregionalprogrammes.

3. Relevance of theProject

3.1. RelevanceoftheprojecttotheProgramme'sthematicobjective/priority.

TheprojectisrelevanttotheTO6"Environmentalprotection,climatechangemitigationandadaptation",Priority1"Sustainableuse of the environment in the cross-border area", and makes a great contribution to increasing the awareness of the local population,
communitiesandinstitutionsregardingtherenewableenergytechnologiesandenergyefficiencyinterventionsamongpopulationin borderregions.TheActionhasagreatrelevancetothethematicobjectives/prioritiesoftheProgrammeregardingtheoveralland specificobjectivesoftheAction.ThedevelopedJointEnergyConceptwillprovidegreatpossibilitiesforrenewableenergyproduction in communities, institutions, as well as buildings. The project results have the great impact on the communities and population in the target regions though the development of the New Solutions for the pilot communities and energy efficiency in buildings and instruction of clean technologies for targetarea.

3.2. Territorialneeds,problemsandchallengeofthetargetcountries,regionsand/or

Targetareashavegreatneedsinharmonizationoflocalrenewableenergystrategiesinsolar,biomass,hydropowerandgeothermal energy. The problem and the challenge of Zakarpatska and Szabolcs-Szatmar-Beregregions is the lack of skilled experts in energy efficiency caused by the following reasons: absence of the harmonized local renewable energy strategies, absence of educational
energymanagementprogrammesinUzhhorodNationalUniversityandtheUniversityofNyiregyhazathathaveagreatcommitment to introduce special educational programmes planned to be realised within the project with using the experience of the Technical University of Kosice and University of Suceava. Besides, new established communities in Ukraine, small villages in Slovakia, and Hungary,aswellascommunitiesinRomaniatrytoreducetheconsumptionofhousingandhouseholdenergyandalsothederiving expenditures.So,energyefficiencyisbecomingaveryimportantissueinthecommunities,includingthecross-borderones.

3.3. Analysis of the problems and needs the project'saddresses.

Target areas have great needs in harmonization of local renewable energy strategies. Some of border regions already have the conceptsofusingtherenewableenergyandprovidetheirimplementation.PopulationinborderregionsontheEUandnon-EUsides have different levels of understanding of the importance of the environmentally friendly and innovative technologies. For example,
inEUcountriestherearеregulationsregardingthenecessitytoinstallrenewableenergysystemineachnewbuildingthatshouldbe providedatthestageofplanning,designingandreceivingpermissionforbuilding/reconstruction.Newlyestablishedcommunitiesin Ukraine, small villages in Slovakia, and Hungary, as well as communities in Romania try to reduce the consumption of housing and household energy and also the deriving expenditures. So, energy efficiency is becoming a very important question in communities that requires knowledge and skilled experts. At the level of Academic Institutions, Universities in the EU countries define energy management as a cross-border priority/ educational course that must be integrated into each faculty and speciality. Uzhhorod National University has great commitment to introduce the renewable energy system to the swimming pool building and develop the new solutions for the main buildings of the University. This task is planned to be reached and realised though holding the trainingswithactiveparticipationoftheexperts/teachersfromtheEUcountries(HU,SKandRO).Theprojectisaddressedtoform effectivecooperationbetweenAcademicinstitutions,expertgroups,NGOs,professionalInstitutionsandcommunitiesbasedonthe development of the CBC Joint Energy Concept with New Energy Solutions for Communities. The project has synergy and related contributiontolocalandnationalstrategies:RuralDevelopmentProgrammesforHungary,Slovakia,Romania2014-2020,Carpathian Euroregion Strategy 2020, Danube Transnational programme2014-2020.

3.4. Project's approach in addressing the identified common problems andneeds

HarmonizationofthestrategieswillbereachedbytheJointEnergyStrategydevelopment.Asaresultofjointactivitiesoftheworking groups in biomass, hydro power, solar and geothermal energy, the common vision will be formed with synergy with local, national and transnational strategic documents. The added value is the development of new solutions for communities in border regions based on strong cooperation between Universities, NGOs, Communities, sustainable experience exchange as well as harmonised activities on the EU and non-EU sides of the border. The problem of the lack of skilled experts will be solved capitalising the experience of the EU partners through holding the trainings sessions for young experts, teachers, and students. As a result of joint activities, the feasibility studies and new solutions for communities will be developed, working groups of skilled experts will be formed, new approaches in educational process in Uzhhorod National University will beprovided.

3.5. Cross-bordercooperationapproachinachievingtheproject'sobjectivesandresults

Taking into account that the target groups form a single area with similar and common conditions of using the renewable energy
sources,theprojectobjectivescannotbereachedonlyonthenational/regional/locallevels.Theprojectisaimedatharmonizationof localrenewableenergyproductionstrategies,developmentoftheJointEnergyConceptthatcanbedevelopedonlyintheframesof joint work and joint activities within cross-border cooperationprojects.
Population and communities in target areas (EU and non-EU regions) have different levels of awareness and different conditions of usingtheenvironmentallyfriendlytechnologiesandnewtechnologiesinenergysectors.AsaresultofeffectivelocalpolicyintheEU

countries, there are a few best practices of using the renewable energy in Technical University of Kosice and the University in Suceavathatcanbeusedbytargetgroupsfromtheothersidesoftheborder.Inspiteofthefactthatcommunitiesinborderregions inHU,SK,ROandUAhavegoodcooperationlinks,theyneednewknowledgeandskilledexpertsinusingtherenewableenergythatcan be achieved only within the cross-border cooperation initiatives and projects.

3.6. Target groups and finalbeneficiaries

Target groups:
1. Representativesofthelocalauthorities,self-governmentsandprofessionalinstitutionsthatneedharmonizationoflocal strategies: 12 pers. of related departments * 4 countries = 48-50pers.
2. UniversitiesandNGOsthatarethepartnersoftheprojectneedskilledexperts/teachers:5persons.
3. Communitiesthatneednewsolutions:3pilotcommunities*4countries=12communities(appr.1000populationineach community, totally: appr. 12000pers.).
4. StaffoftheEnergyInnovationCenter:12pers.

Beneficiaries:
1. representatives of the communities that need best practices and examples of energy saving, recycling, using the renewable energy,localcommunitiesthattrytoreducetheconsumptionofhousingandhouseholdenergythatneedssupportinenergyusing monitoring and forming the new solutions in using the renewablesources.
2. Ownersandinhabitantsofpublicbuildingswhichwillhavereducedenergyconsumptionduetotheenergyawarenessandtrainingprogrammes–thefirsttwosustainableenergyworkshopswillcompriseappr.150persons.
3. Thepopulationofborderregions(approximately1.5millioninhabitants)willbenefitfromthehealthierandcleanerenvironment.
4. SMEs - energy efficiency and renewable energy installations will be the direct beneficiaries by providing their services and equipment.Inthelongerterm,moreSMEswillbenefitastheprojectwillopennewmarketopportunitiesinthesustainableenergy field.

3.7. Analysisoftheeffectsoftheprojectonthecross-cuttingissues

3.7.1. HIV /AIDS

The project activities are planned and will be implemented with regard to HIV/AIDS as the cross-cutting issue in the followingway:trainingsgroupswillbeformedasaresultoftheopencompetitionandsubmittingtheapplications.The projectactivitieswillbeopenforallstakeholdersandtheinformationaboutprojecteventswillbeavailableontheweb-sites.

3.7.2. Genderequality

Theprojectactivitiesareplannedandwillbeimplementedwithrespectofgenderequalityasthecross-cuttingissuesin thefollowingway:trainingsgroupswillbeformedasaresultoftheopencompetitionandsubmittingtheapplications. Theprojectactivitieswillbeopenforallstakeholdersandtheinformationaboutprojecteventswillbeavailableonthe web-sites. Gender equality will be taken into account at the stage of forming the working and trainings groups, conferenceparticipants.

3.7.3. Democracy and humanrights

Theprojectactivitiesareplannedandwillbeimplementedwithrespectofdemocracyandhumanrightsasthecross-cuttingissuesinthefollowingway:trainingsgroupswillbeformedasaresultofopencompetitionandsubmittingthe applications. The project activities will be open for all stakeholders and the information about project events will be availableontheweb-sites.Theweb-platformwillalsobeopenforparticipationonthebasisofdemocracyandhuman rights.

3.7.4. Environmentalsustainability

Allplannedactivitieshavestrongenvironmentalsustainabilitywithusingtheenvironmentallyfriendlytechnologiesin communitiesandtargetareas.Anumberoftrainingsessionsaimedatraisingtheawarenessofthelocalpopulation regarding the environmental sustainability are planned to beheld.

3.8. Relevanceofinfrastructurecomponentwithinthecross-bordercontext

Taking into account that the target groups form a single area with similar and common conditions of using the renewable energy sources,theprojectobjectivescannotbereachedonlyonthenational/regional/locallevels.Theprojectisaimedatharmonizationof localrenewableenergyproductionstrategies,developmentoftheJointEnergyConceptthatcanbedevelopedonlyintheframesof joint work and joint activities within cross-border cooperationprojects.

3.9. Cross-bordereffectoftheinfrastructurecomponent

Taking into account that the target groups form a single area with similar and common conditions of using the renewable energy sources,theprojectobjectivescannotbereachedonlyonthenational/regional/locallevels.Theprojectisaimedatharmonizationof localrenewableenergyproductionstrategies,developmentoftheJointEnergyConceptthatcanbedevelopedonlyintheframesof joint work and joint activities within cross-border cooperationprojects.

3.10.1 Avoiding doublefinancing

Project proposal was not submitted to the Romania-Ukraine ENI CBC Programme 2014-2020.

3.10.2 Avoiding doublefinancing

ThesameProjectproposalorapproposalwiththesameactivitiesisnotoverlappingwithotherprojectsandwasnotsubmittedto other Programmes, e.g. Poland-Belarus-Ukraine ENI CBC Programme 2014-2020; Hungary-Romania INTERREG V-A Cooperation Programme; Slovakia-Hungary INTERREG V-A CooperationProgramme.

4. Work Plan

4.1. Activities groups (AG) and project level outputs andresults

AG 1 - Soft Project Component

Activity Group (AG) 1	Title of the AG	Total AG indicative budget in euro
1	Strategic approach	246000,00
Responsible Applicant(s)	**State University 'Uzhhorod NationalUniversity' DVNZ "UzhhorodskyiNatsionalnyiUniversytet"**	
Applicants' involved	**State University 'Uzhhorod NationalUniversity' DVNZ "UzhhorodskyiNatsionalnyiUniversytet"; Self-Government of Szabolcs-Szatmar-Bereg County Szabolcs-SzatmárBeregMegyeiÖnkormányzat Stefan cel Mare University of Suceava Universitatea Stefan cel Mare Suceava**	

Activity #	Activity title	Brief description
Activity 1.1.	Forming the experts groups (EGs) related to the main priority activities and holding working meetings.	Forming the professional institutions and experts groups related to the main priority activities: geothermal, solar, wind energy, biomass energy, cross-sector ecological group and energy for communities group: 5 pers. from each partner region (HU: 5 pers., RO: 5 pers., SK: 5 pers., UA: 5 pers. Totally: 20 pers.) Holding 1-day expert meetings with the participation of 12 persons aimed at the development of the recommendations and surveys: 2 meetings in each country: 2 meetings in HU (with participation of HU and UA experts), 2 meetings in SK (with participationofSKandUAexperts),2meetings in RO (Suceava, with participation of RO and UA experts), 2 international meetings in UA (with participation of 3 experts from HU, 3 experts from SK, 3 experts from RO and 3 experts from UA) and 8 localparticipants. Totally: 20 pers. 2-day meetings aimed at the CBC Energy Concept development.

Activity 1.2.	Conducting basic researches regarding the existing opportunities in using the renewable energy in border regions. Identification of 3 pilot communities in each region and main buildings for FS.	The situation analysis has assessed the energy efficiency and using the alternative energy sources areas, scale and existing networks suitable for future cross-border cooperation in the field of the focus areas. Special emphasis was taken to collect and utilize the experiences of the previous initiatives and projects related to energy efficiency and using the alternative energy sources. The basic researches includes: the investigation of the situation in energy area, existing of innovative solutions in partner regions. Development of the feasibility studies for the main buildings of Uzhhorod University that need expert support in the development of new approaches in using alternative energy solutions (2 feasibility study packages). Expert work provided by LP and with expert support of partners.
Activity 1.3.	Holding International thematic workshops according to the experience of each partner.	Sessionsofthe2-dayworkshopwiththemain stakeholders in each partner country: Hungary:1workshopwiththeparticipationof 40 pers. (Nyiregyhaza): 7 persons from each country and localparticipants. Romania:1workshopwiththeparticipationof 40 pers. (Suceava): 7 persons from each country and localparticipants. Ukraine:1workshopwiththeparticipationof 40 pers. (Uzhhorod): 7 persons from each country and localparticipants. Slovakia: 1 workshop with the participation of 40pers.(Kosice):7personsfromeachcountry and localparticipants.
Activity 1.4.	Holding the study tours and exchange sessions for new established communities in Ukraine.	Session of the 2-day study tour for the participantsofthepilotcommunitiesandmain stakeholdersfromUAtoeachpartnercountry: Hungary: 3-day session with 20 participants fromUA. Slovakia:3-daysessionwith20participants fromUA. Romania: 5-day session with 20 participants from UA. New solutions packages for pilot communities are planned to be attached to the CBCEnergy Concept. As a result of the trainings provided by international trainers and lectures within AG2 with coordination of expert teams from each country, the best solutions in energy for at least 3 communities in UA, 3 communities in HU, 3 communities in RO and 3 communities in SK will be developed. Holding video-trainings for communities: 2 video-training for each community . Totally 6 video-trainings.

Activity 1.5.	Establishment of the Energy Efficiency and Renewable Sources Laboratories	Equipment for the Energy Efficiency and Renewable Sources Laboratories will be purchased for UA, RO and HU. SK has the related equipment. Trainings are aimed at using the equipment for the staff provided by Suceava University. Holding 3-day international trainings for staff of the CBC Energy Efficiency and Renewable sources Laboratory. 3-day trainings in Uzhhorod. Participants: 4 pers. from each country come to Uzhhorod. Totally: 12 per. and experts team: 1 trainer from Stefan cel Mare University in Suceava (Romania) and 1 trainer from Technical University of Kosice (Slovakia). Development of the new solutions packages for pilot communities and buildings.

Outputs of activities

	Title of the output	Brief description of the output	Corresponding activity(ies)	Target value
Output 1.1.	Number of persons actively participating in environmental and awareness raising actions	Expertsoftheworking groups: 5 pers. from each country: 20pers., participants of the thematic workshops:4 events * 40 pers. = 160 pers. Population of the pilot communities and participants of the public hearings: appr.200 pers. per 1 community.Totally: 2500pers.	1.1, 1.2, 1.3, 1.4.	2 500,00
Output 1.2.	Number of energy efficiency and renewable energy production interventions	Development of 12 new energy solutions concepts for 12 communities.	1.3., 1.4.	12,00
Output 1.3.	Surface area of inhabitants supported in order to attain a better conservation status	Area of border regions and pilot communities that involved into the project realization. Population of 4border regions appr. 3.0 million inhabitantsand population of 12 pilot communities: appr.14 000 ha	1.1, 1.3.	14 000,00

Results

Result #	Results title	Please provide a brief description of the results emerging from this AG	Programme output indicator or other indicators to which the result will contribute	Target value

Result 1.1.	Increased capacity in renewableenergyusing based on the developed feasibility studies and concepts for 12communities	Increased capacity in environmental protection and renewableenergyusing among the inhabitants of 12 communities of4 border regions (3 communities fromeach country). The CBC Energy Concept will be developed including newsolutions concepts in energy renewableenergyusing for 12 pilot communities.	Number of energy efficiency and renewable energy production interventions	12,00
Result 1.2.	Increased capacity in renewableenergyusing based on surveys and developed CBC Energy SmartConcept	Increased capacity in environmental protection and renewableenergyusing among inhabitants of4 border regions (Kosice self-governing of SK, Sabolcs-Satmar-Bereg region of HU, Suceava region of RO, Zakarpatska oblast of UA). The CBC Energy Concept will be developed including new solutionsconcepts and best practices in energy efficiency of buildings and introduction of innovativetechnologies and newsolutions	Number of persons actively participating in environmental and awareness raising actions	2 000,00

Detailed risk analysis and contingency plan

Physical risks include the possibilities of natural disasters that may change the plan of the project realization. Such risksmayalsoincludetherisksrelatedtothehealthissuesoftheparticipants,logisticalrisksduringthetransportation of means needed for implementation of the project. To minimize the logistical risks, the video-conference system connection will be installed in partnerorganizations.

Toavoidandreduceenvironmentalriskswedidnotincludetheobjectsthatcanbedestroyedasaresultoffloodsor any other environmentaldisaster.

PoliticalandsocialrisksincludethechangesinregionalandlocalauthoritiesviaelectionsintolocalcouncilsinUkraine and border regions/countries. A number of newly elected persons can be appointed to the positions in village councils/newly formed units in the communities, especially in Ukraine. To minimize these risks a number of educationalprogrammesandtrainingswillbeheldtoensuretheparticipationofthenewlocalleaderswiththe involvement of them the implementation of the project.

Economicrisksincludethefinancialcrisisbecauseofglobalornationalfinancialandeconomiccrisis.Theminimization of these risks is provided by professional team work and financial management of the project. There are experienced partners and experts participating in the project that will be able to minimize the possible negative impact of such cases.

AG 2 - Soft Project Component

Activity Group (AG) 2	Title of the AG	Total AG indicative budget in euro
2	**Institutional base creation**	**280000,00**
Responsible Applicant(s)	**State University 'Uzhhorod NationalUniversity' DVNZ "UzhhorodskyiNatsionalnyiUniversytet"**	

Applicants' involved	State University 'Uzhhorod NationalUniversity' DVNZ «UzhhorodskyiNatsionalnyiUniversytet» Self-Government of Szabolcs-Szatmar-Bereg County Szabolcs-SzatmárBeregMegyeiÖnkormányzat Stefan cel Mare University of Suceava Universitatea Stefan cel Mare Suceava

Activity #	Activity title	Brief description
Activity 2.1.	Establishment of the CBC Energy Centers in Universities.	EstablishmentoftheCBCEnergyCentresin Universities. Purchasing equipment for the CBCTrainingCenteronEnergyefficiency. Computers and video-conference equipment. The video-conference equipment is necessary for the introduction of the trainings between Ukrainian trainings groups and Applicants 1,2,3,4,5 located in Hungary, Slovakia, Romania and Ukraine. The mobile part of the video- conference equipment will provide the connection with pilot communities for effective educational programmes implementation. 2 persons from CBC Energy Centers staff will be appointed and trained in energy efficiency through holding Local trainings: 2 trainings in each region with UA trainers and 1 international training in Uzhhorod and participation in project activities.
Activity 2.2.	Forming the trained teams of students, teachers and experts.	Establishment of the teams and interfaculty university groups in Ukraine (3 groups * 7 persons. Totally: 21 persons. Groups consist of students and young teachers that have commitment to take part in the project activities). Groups of participants will be formedasaresultofopeninvitationtosubmit motivation letters forparticipation. Trainers and experts will be indentified as a result of negotiation procedure according to provided competences/skills/experience in this sector of activity.
Activity 2.3.	Holding the training sessions for interfaculty groups established for the development of energy solutions for communities and CBC Smart Energy Concept.	Holding 3 three-day training sessions for the Uzhhorod training groups in Uzhhorod provided by: - Stefan cel Mare University of Suceava (Romania) in the sector of monitoring of energyefficiencyofbuildings(3daysinROfor 21 UAstudents); - Technical University Kosice (Slovakia) – developmentoftheSmartEnergySolutionsfor communities and buildings based on the results of the monitoring (3 days in RO for 21 UAstudents); - **Nyíregyháza University** (Hungary): best practices in energyefficiencyincommunities(3daysinRO for 21 UAstudents).

Activity 2.4.	Holding sessions of the video-skypetrainings in energy	Holding 6 sessions for each partner of the video-conference trainings. RO: 6 two-daysessions. SK: 6 two-day sessions. HU: 6 two-daysessions. As a result of the trainings, the energy efficiency and renewable energy solutions for communities in Ukraine will be developed.
Activity 2.5.	Creation of the specialized Energy Efficiency and Renewable sources Laboratories in each partner region for energy efficiency and renewable energy sources.	Forming the staff groups (3 persons of Energy EfficiencyandRenewablesourcesLaboratories are trained in each country). Totally: 12 persons trained in using the laboratories equipment. Equipment for the Energy Efficiency and Renewable sources Laboratories will be purchased for UA, RO and HU. SK has the related equipment. Trainings are aimed at usingtheequipmentforthestaffprovidedby Suceava University. Holding 3-day international trainings for staff of the CBC Energy Efficiency and Renewable sources Laboratory. 3-daytrainingsinUzhhorod.4pers.fromeach countrycometoUzhhorod.Totally:12per.+1 trainer fromRO.

Outputs of activities

	Title of the output	Brief description of the output	Corresponding activity(ies)	Target value
Output 2.1.	Number of persons actively participating in trainings	Established Training Center in Universities and Energy Laboratories for communities: 4 pers. per each country. 16 pers.trainedinenergy efficiency, monitoring of the buildings and providing thetraining programmes	2.1., 2.5.	16,00
Output 2.2.	Number of persons actively participating in trainings	3 groups with 7 participants (students and young teachers) take part in the trainings and on-line trainings. As a result, they will be trainedand will receive the necessary skills to develop smart energy concepts for communities and buildings.	2.2., 2.3, 2.4	21,00

Output 2.3.	Number of energy efficiency and renewable energy production interventions	Established Energy Efficiency and Renewable sources Laboratories in HU,SK, RO and UA that will purchase the equipment. Energy storage equipment within Energy Laboratory in Technical University of KosiceandandEnergy equipment in Hungary, Romania andUkraine	2.5.	4,00

Results

Result #	Results title	Please provide a brief description of the results emerging from this AG	Programme output indicator or other indicators to which the result will contribute	Target value
Result 2.1.	Increased capacity in renewable energy based on trainings	Trainings for the staff of the Energy Training Center and Energy Efficiency and Renewable energy Laboratories will be provided (10-12 pers.). Training groups: 21 pers. will take part in thetrainingsandvideo-trainings.	Number of persons actively participating in environmental and awareness raising actions	21,00
Result 2.2.	Increased capacityof Universities basedon the developedenergy efficiency of Universitiesbuildings andcampus	Increased capacity of Universities based on the developed energy efficiency of Universities buildings and campus. As aresult of the trainings in UA and experts work inRO, SK, HU, 12 feasibility studies with new energy solutions for 3 communities in UA and 2 buildings of UzhNU will beprovided.	Number of energy efficiency and renewable energy production interventions	12,00

Detailed risk analysis and contingency plan

Physicalrisksandenvironmentalrisksincludethepossibilitiesofnaturaldisastersthatmaychangetheplanofthe projectrealization.Suchrisksmayalsoincluderisksrelatedtothehealthissuesoftheparticipants,logisticalrisks duringthetransportationofmeansneededforimplementationoftheproject,andrisksofaccidentsduringthe implementationoftheproject. Tominimizethelogisticalrisksvideo-conferencesystemconnectionwillbeinstalledin partnerorganizations.

Projectdoesnotcontaintheobjectsthatcanbedestroyedasaresultthefloodsoranyotherenvironmental catastrophes.
Political risks include the changes in regional and local authorities via elections into local councils in Ukraine and borderregions/countries.Tominimizetheserisksanumberofeducationalprogrammesandtrainingswillbeheldto ensuretheparticipationofthenewleaders.Also,bypayingmoreattentiontotheneedsofthelocalcommunities,the participationofofficialsintheplannedeventsisplannedforinformationalandconsultancysupport.
Lackofthecommitmenttotakepartinthetrainingprogrammesformsthesocialrisk.Toavoidthisriskweproposeto provide selection procedure though announcement and submitting of the motivation letters at the level of forming thetrainingsgroupsandnegotiationprocedureduringtheprocessofidentifyingtrainers/experts.

AG 3 - Soft Project Component

Activity Group (AG) 3	Title of the AG	Total AG indicative budget in euro
3	Raising awareness	198000,00
Responsible Applicant(s)	**State University 'Uzhhorod NationalUniversity' DVNZ "UzhhorodskyiNatsionalnyiUniversytet"**	
Applicants' involved	**State University 'Uzhhorod NationalUniversity' DVNZ "UzhhorodskyiNatsionalnyiUniversytet"; Self-Government of Szabolcs-Szatmar-Bereg County Szabolcs-SzatmárBeregMegyeiÖnkormányzat Stefan cel Mare University of Suceava Universitatea Stefan cel Mare Suceava**	

Activity #	Activity title	Brief description
Activity 3.1.	Forming the unified databases based on previous experience and best practices.	Experts work according to the priorities: - Geothermalenergy, - Solarenergy, - Windenergy, - Biomassenergy, - Cross-sector ecologicalgroup. 1 expert per each country. Totally: 4 experts. Workshops in Uzhhorod (UzhNU) and Romania (Suceava): 40 pers. 2 days (5 pers. from each partner)
Activity 3.2.	Development of the educational and touristic routs of the best energy solutions in border regions. Development of the Maps of the existing best practices in energy (geothermal, solar, wind energy)	Development of the educational routes on energy based on the databases of the best practices. Producing the promotional materials with described educational and touristic energy routes, development of the interacting maps located at the web-sites of Universities and professional and regional development institutions.

Activity 3.3.	Exchange sessions in border regions	Holding the exchange sessions and target groups along the educational routes inborder regions. Holding study tours according to the developedmappingandenergyrouts.Holding the exchange sessions along the routes in each country for 20 persons: 5-day session in RO, 3-day session in SK, 3-day session in HU. Totally: 11 days*20 pers. Taking into account long distance to the RO partner (Suceava), the duration of the study tour includes the day of arrival and the day of departure. Participants: Ukrainian students / young teachers / communities (communities: 6 persons (3 from each community, students: 6: 2 from each group, 8 teachers and projectstaff). Corresponded with 1.4. at the level of participants from communities.
Activity 3.4.	Producing the distribution of the promotional materials.	4newsletters(inHU,SK,RO,UA),bookletswith educational and touristic routs (in HU, SK, RO, UA), publication and distribution of the CBC Energy Smart Concept (in HU, SK, RO, UA and ENG), web-portal of the Energy Smart Solutions "NESiCA", producing the promotion film inUkraine.
Activity 3.5.	Development of the web-portal for communities and education on energy.	Development of the web-portal for communities and education on energy.

Outputs of activities

	Title of the output	Brief description of the output	Corresponding activity(ies)	Target value
Output 3.1.	Number of persons actively participating in environmental actions and awareness raising	Expertsoftheworking groups: 5 pers. from each country: 20 participants of the thematic workshops:4 events * 40 pers. = 160 pers. 3 communitiesin HU, SK, RO and UA:12 communities * 1200 (average)population= 14400pers.	1.1., 1.2, 1.3, 1.4.	14 580,00
Output 3.2.	Number of energy efficiency and renewable energy production interventions	Development of 12 new energy solutions concepts for 12 communities.	1.5.	12,00
Output 3.3.	Surface area of inhabitants supported in order to attain a better conservation status	Population of 4 border regions appr. 3.0 million inhabitants	1.1., 1.2, 1.3, 1.4.	2 000,00

Results

Result #	Results title	Please provide a brief description of the results emerging from this AG	Programme output indicator or other indicators to which the result will contribute	Target value

Result 3.1.	Increased capacity in renewable energy based on skillsearned during the exchange sessions	Increased capacity in environmental protection and renewableenergyusing among group of students -participants fromUkraine	Surface area of inhabitants supported in order to attain a better conservation status	21,00
Result 3.2.	Increased capacity in renewable energy based on theprovided educational programmes for UA students.	Increased capacity in environmental protection and renewableenergyusing among students of UzhNU of the faculties of Ecology, Construction /Building Faculty andInformatics Faculty. It is also planned that the separate specialty “Energy Management” will be created in UzhNU as a result of theproject.	Number of persons actively participating in environmental actions and awareness raising	200,00
Result 3.3.	Increased capacityof Universities basedon developed energy efficiency of Universities buildings andcampus	Within the CBC Energy Concept a number of new solutions for the pilot communities will be provided (2 building of UzhNU where more than 700 students study: Economicfaculty building and Law facultybuilding)	Number of energy efficiency and renewable energy production interventions	2,00

Detailed risk analysis and contingency plan

Physicalrisksandenvironmentalrisksincludethepossibilitiesofnaturaldisastersthatmaychangetheplanofthe projectrealization.Suchrisksmayalsoincluderisksrelatedtothehealthissuesoftheparticipants,logisticalrisks during the transportation of means needed for exchange programme realization (Activity 3.3). To minimize the logisticalrisksthеplanningoftheexchangesessionswillbemadeinsuchwaytoplanitduringthesummerperiod and provide very strong transportcompany.
No political risks in AG3.
Socialrisks:Lackofthecommitmentofparticipantstotakepartintheexchangesession.Toavoidthisriskwepropose to provide the selection procedure though announcement and submitting of the motivation letters. Besides, we suggest that the majority of participants of the exchange sessions are the participants of the previous sessions that have already demonstrated theircommitment.

AG 4 - Infrastructure

Activity Group (AG) 4	Title	Total AG indicative budget
4	Renewable energy system in UzhNU	160000,00
Responsible Applicant(s)	**State University 'Uzhhorod NationalUniversity'** **DVNZ "UzhhorodskyiNatsionalnyiUniversytet"**	
Applicants' involved	**State University 'Uzhhorod National University'** **DVNZ "UzhhorodskyiNatsionalnyiUniversytet";** **Stefan cel Mare University of Suceava** **Universitatea Stefan cel Mare Suceava** **Non-Governmental Organization "European Initiatives Centre"** **Hromadskaorganizatsia"CentrYevropeiskykhInitsiatyv";** **Technical University of Kosice** **Technickáuniverzita v Košiciach**	

Readiness for implementation and information on preliminary activities

UzhhorodNationalUniversityisreadytoimplementtheprojectonthebasisofthepreliminaryactivitiesundertaken by the Applicant: feasibility study, technical documentation and other relevant documents already obtained and uploadedtotheProjectwithintheAdditionalSupportdocuments.Regardingtheownership:UzhNUistheownerof the building and has related components to conduct reconstruction works in this building. Related documents: evidence of ownership provided in Additional Support documents to this project. Regarding the building permit: accordingtoUAlegislationthebuildingpermitispossibleatthestageoftenderprocedureafterthesubcontractoris selected. This official information (clarification provided by Department of Architecture of Uzhhorod City) is also attachedtotheAdditionalSupportdocuments.Theestimatetimeforobtainingthebuildingpermitisupto1month after the closing the tenderprocurement.

Description of the infrastructure(s)

Reconstructionoftheheatingsystemwiththeuseofrenewableenergysourceswillallowapplyingthesolarradiation technology to provide the electric power of the sports complexbuilding.
The project for reconstruction is planned to be implemented in the existing building under exploitation, without a completesuspensionofitsuseforfunctionalpurpose.Theexistingbuildingisathree-storybuildingcoveredwitha flatroof.Thewallsaremadeofbricks.Theroofcoveringismadeofreinforcedconcreteslabsofoverlap.Theexisting roof isruberoid.
The electrical supply of the object is carried out by the Transnational Private Joint Stock Company "Zakarpattiaoblenerho".
Heating of the premises of the pool, showers and locker rooms, as well as heating the water in the pool is carried out from the boiler house with the capacity of 360 kW.Heat loads are covered by steel boilers EKO TECHNOMASH installed in the boiler house (2 units with the capacity of 150 kW each).
The preparation of hot water takes place in an accumulation-flow water boiler with the capacity of 60 kW. Reconstructionoftheheatingsystemwiththeuseofrenewableenergysourcesofthebuildinginvolvestheuseof solar radiation technology to provide electricity to thisbuilding.
Solar batteries are used as the devices converting solar radiation into electricity.
Autonomoussolarpanels,arrangedontheroofofthebuilding,willbeabletoproduceelectricitythesurplusofwhich willreturntothepowergrid,orwillbeusedforheatingthewaterinthepool.

The nature oftheconstruction:reconstruction
Durationofexploitation:100years
- before the major repairs 28400, 0m3
- after the major repairs 28400, 0m3

Location of the infrastructure

ThereconstructionwillbemadeinthebuildingoftheswimmingpoolofUzhhorodNationalUniversitywiththeaddress: 29 Mytna street, Uzhhorod, within the building where the Faculty of Health and Physical Education is located. http://www.uzhnu.edu.ua/uk/news/onovlenij-basejn-sportivno-ozdorovochgo.htm Morethan700studentsper1monthvisitdifferentsportandrest-timestudiosthatarelocatedinthebuildingandthe swimmingpool.Anumberofsportgroupshaveswimmingtrainingsthereanddailyusethesecapacitiesfortrainings andrest.
Other information.
Full Feasibility Study and Technical documentation provided in the additional supporting documents
Detailed risk analysis and contingency plan
Physical risks and environmental risks include the possibilities of natural disasters that may change the plan of the project realization. Such risks may also include the risks related to the health issues of the participants, risks of accidentsduringtheimplementationoftheproject.Theprojectdoesnotcontaintheobjectsthatcanbedestroyedas a result of the floods or any other environmental catastrophes. Physical risks are also connected with the long procurement period. To minimize this risk the expert support on procurement implementation is included into the budget of the LA (UzhNU). There are no political risks as the building owner is UzhNU and all decisions can be made by Leaders ofUzhNU.
Sustainability of the infrastructure component
EstablishedrenewableenergysystemintheswimmingpoolofUzhNUhasthehighlevelofsustainabilitybasedonthe competence and obligations of the LA to serve this building and keep it in working conditions for swimming of students/teachers and inhabitants of Uzhhorod City and Zakarpatska oblast. Besides, the established Energy Laboratory and the trained staff in AG 1-3 will provide support in exploitation of the installed renewable energy systemintheswimmingpool.LAistheownerofthebuildingaccordingtoprovideddocumentsinsupportdocuments to this project and has related competence and commitments to keep the system and provide high level of sustainability after the projectcompletion.

Activity 4.1.	Preparationworks.Announcementofthe TenderProcedureandProcurementRules implementation.	Preparation works. Announcement of the Tender Procedure and Procurement Rules implementation. Talking into account that the total costs of the project documentation are more then 200 000 UAH, the Open Tender Procedure should be provided. Besides, According to the EU rules, works that cost more than 200 000UAHshould be made according to International Tender Procedure.
Activity 4.2.	Construction works. Stage 1	Purchasing and installing the solar panels system on the roof according to the feasibility study.
Activity 4.3.	Construction works. Stage 2	Purchasing and installing the screen for monitoring the energy level using and economy of the energy and installing big informational tables according to visibility rules of the programme.

Project results

Result #	Programmeoutputindicatororotherindicators towhichtheresultwillcontribute	Baseline	Target
Result 4.1.	Renewable energy system in the swimming pool of UzhNU	0	1

AG 6 - Project Management And Communication

Activity Group (AG) 6	AG title:	Total AG indicative budget

	ManagementandCommunication	**220 707,30**
Responsible Applicant(s) for project management		**State University ‘Uzhhorod National University’ DVNZ "UzhhorodskyiNatsionalnyi Universytet"**
Responsible Applicant(s) for communication		**Non-Governmental Organization "European Initiatives Centre" Hromadskaorganizatsia "Centr YevropeiskykhInitsiatyv"**

Applicants’ involvement in AG 6	
Lead Applicant	StateUniversity‘UzhhorodNationalUniversity’ DVNZ"UzhhorodskyiNatsionalnyiUniversytet" LeadAppliacnt UzhNU
Applicant 1	Self-Government of Szabolcs-Szatmar-Bereg County Szabolcs-SzatmárBeregMegyeiÖnkormányzat 1. Applicant SZSZBMO
Applicant 2	Stefan cel Mare University of Suceava Universitatea Stefan cel Mare Suceava 2. Applicant USV
Applicant 3	Non-Governmental Organization "European Initiatives Centre" Hromadskaorganizatsia "CentrYevropeiskykhInitsiatyv" 3. Applicant EIC
Applicant 4	Technical University of Kosice Technickáuniverzita v Košiciach 4. Applicant TUKE
Applicant 5	University of Nyiregyhaza NyíregyháziEgyetem 5. Applicant NYE

Project management activities		
Activity 6.1.	Kick-off meeting in Uzhhorod, Ukraine	2-day event with the participation of all partners organised by Lead Applicant with 30 pers. Participants (5 pers. from each partner and 10 persons of local stakeholders). Main task: launching the project. Clarification and updating of the partners tasks, clarification of the budget for each partner. Venue: conference hall of UzhNU. Interpretationon4languageswillbeprovided. Press-Conference(CA)forinformingaboutthe project objectives will beheld.

Activity 6.2.	Project management and coordination meetings for project staff	4 two-day meetings: 2 meetings in each region with the participation of 12 pers. (UA staff: 6 pers.) and local participants. Totally 12 pers. Venue: partners capacities / meeting rooms. Main task: Project management, coordination, updating of the Action Plan, reporting, risk management. Meeting in Ukraine is the international meeting involving all partners (3 per.* 3 partners) + 6 local partners and stakeholders. Totally: 15 pers.).
Activity 6.3.	Steering and monitoring meetings	4two-daymeetings:1meetingineachregion withparticipationof12pers.(UAstaff:6pers. andexperts)andlocalparticipants.Totally12 pers. Venue: partners capacities / meeting rooms. Main task: Steering and monitoring of the project implementation.
Activity 6.4.	Project management and coordination meetings for financial managers and project staff	4 two-day meetings: 1 meeting in each region with participation of 12 pers. (UA staff: 4 pers.) and local participants. Totally 12 pers. Venue: partners capacities / meeting rooms. Main task: reporting and procurement procedures. Meeting in Ukraine is the international meeting involving all partners (3 per.* 3 partners) and 6 local partners and stakeholders. Totally 15 pers.).
Activity 6.5.	Video-conference meetings.	Project management and coordination meetings for financial managers and project staff . 24 one-day video-conference meetings based on video-conference capacities: Main task: reporting and procurement procedures.

Organisational structure and the team proposed

LeaderApplicantprovidesthegeneralprojectcoordination,takingintoaccountthattheinfrastructurecomponenthas 4members:coordinator,financialmanager,technicalmangerandenergymanager.TheApplicants1,2,3,4,5provide support in effective communication between the EU and non-EU partners. Applicant 3 provides communication with Partners from HU, RO and SK and the communication manager is included into the project team. Applicants 1, 2, 4, 5 from HU, RO and SK provide communication and good cooperation with partners from UA, SK, RO and with 3 pilot communities and has also 3 project staff: coordinator, financial manager and communication manager. Within the partnershipconsortiumthestrongorganizationalstructure,localandinternationalteamsproposed.Eachmemberof theprojectstaffhasrelatedcompetencesandskillsforeffectiveprojectrealization,CVsattached.

Detailed risk analysis and contingency plan

Physicalrisksandenvironmentalrisksaretherisksrelatedtothehealthissuesoftheparticipants,logisticalrisks during the transportation of means needed for implementation of the project. To minimize the logistical risks a numberofvideo-conferencesystemconnectionsinpartnerorganizationsareplannedtobeinstalled.
ToavoidenvironmentalrisksktheActionPlanofthemanagementactivitiesisflexibleenoughsothatthemeetingcan be moved due to bad weather and possible naturaldisasters.
Politicalandsocialrisksincludethechangesinregionalandlocalauthoritiesviaelectionsintolocalcouncils,in Ukraineandborderregions/countries.Tominimizetheserisksitissuggestedtoinvitethestakeholderstothe working meetings aimed at involving the new leaders to the projectactivities.
Economic risks may include the financial crisis because of global or national financial and economic crisis. The minimizationoftheserisksisprovidedbyprofessionalteamworkandfinancialmanagementoftheproject.Thereare experienced partners and experts participating in the project able to minimize the possible negative impact of such cases.

Description of the project management and implementation structure

The Lead Applicant started management of the project in terms of the appointed project team from the strategy of projectpreparationwithrespecttothemainprinciples:jointstaff,jointbudgets,andjointprojectplanning.Anumber of project preparation Workshops were organised in September, October and November 2017 with the participation of all Applicants that agreed the tasks and Action Plan, proposed the project teams according to tasks for each partner. Besides, the Lead Applicant formed the Partner Consortium capitalising the experience and the professional skillsofeachApplicantanditsprojectteam.Asaresultofgoodpreparationworkatthestageofprojectdevelopment, stronginternationalprojectteamconsistingof20personswasformed.Eachpersonhasrelatedprofessionalskillsand experiencedescribedintheCVprovidedinsupportingdocumentstothisProject.TheLeadApplicantplanstoorganisethekick-offmeetingforpartnersatthefirststageofprojectimplementation(1-2months)withthereasonto clarify the tasks for each partner and develop the detailed Action Plan adapted to the current situation. Besides, the Leadpartnerplanstoorganiseanumberofprojectcoordinationmeetings:4meetingsineachpartnerregion,namely: 4 meetings in Hungary, 4 meetings in Ukraine, 4 meetings in Romania, 4 meetings in Slovakia for clarification of the tasks, activity update, communication activities andreporting.

Monitoring and evaluation arrangements

NESiCAPartnerConsortiumdevelopedthefollowinginternalmonitoringandevaluationarrangements:1.Creationof the monitoring committee with the internal monitoring tasks that includes: survey and questionnaire for project participants and members of the WGs, holding evaluation of the project results at each stage of project implementation, development of the Monitoring System within the CBC Smart Energy Concept with the tasks for monitoringoftheConceptsandCommunicationPlanimplementationaftertheprojectrealization.

Equipment, materials and supplies for the implementation of the Project

Themajorityofpartnershavetheirownofficepremisesandstrongteamsfortheprojectimplementation.Officerent costs (in case they exist) and salaries costs for project teams will be provided as a part of the co-financing for the projectaccordingtotheENIprogrammerules.Besides,trainingsandconferenceswillbeheldinUniversitiesandself-governmentsandrelatedpremiseswillbeprovidedasacontributiontotheproject.Withintheproposedbudgetcosts there are the human recourses, travel costs, office and special equipment for Energy Laboratories and video- conferences for sustainable communication connection, services, expert costs / training and development of the concepts, office supplies, and other costs. Infrastructure component for UA includes reconstruction of the roof and installing the energy renewable system for water heating and heatingsystem.

Communication Plan

Target audience.

The following specific groups of stakeholders will be targeted by the communication activities:

- Universities and professionalinstitutions;
- Businesses working in energysector;
- Regional development Agencies andNGOs;
- Mass Media and generalpublic;
- Networks, Euroregions, Associations, EU and transnationalInstitutions;
- Programmebodies;
- Potentialapplicants;
- Finalbeneficiariesbenefittingfromtheproject:self-governments:communities/villages/smallcitiesin targetregions;
- Experts in Energy efficiency and renewableenergy;
- Other EU-financed programmes operating in the programmeterritory.

Project specific objective.

The specific objectives are the following:
1.To provide the strategic approach in energy efficiency and renewable energy sources in border regions.
2.Toraiseawareness,competenceandskillsofthepopulationinborderregionsregardingtotheglobalGHG emission reduction and renewable energy sourcesopportunities.
3.Toincreasethepresentlylowenergyefficiencybyjointinitiatives,establishedenergyinnovationsysteminUzhNU and Technical University in Kosice, established Energy Laboratories forcommunities.
Specific objectives are correlated with the project communication in the following way: strong communication between Universities and communities will be provided on the basis of the energy efficiency for the main stakeholdersincommunities.Anumberofcommunicationactivitiesshouldbeprovidedforeffectivecommunicating betweenpartners,expertsgroups,stakeholdersandtargetgroupsinUkraine,Hungary,RomaniaandSlovakia.

Outputs and results for communication activities.

1 video-film and 6 press-conferences: Kick-off meeting, WGs results (4 press-conferences) and Final Conference (projectresults)withtheinformationaboutthebestEUpracticesinEnergyefficiencyandRenewableEnergyinEU. 12 press-releases as a results of the events (Kick-off meeting: 1 event, thematic meetings: 4 events; exchange sessions: 1 event; Final Conference: 1 event). Number of direct participants of the events: 250pers.
Web-platforminformation:studentsandteachersofeachUniversityandmembersofthenetworks,generalpublic: 60 000visitors.

Messages for each target audience.

“EnsuringinformationalflowabouttheEUexperienceaswellasknowledgeforeachstakeholderbasedonenergy efficiencyandrenewableenergy”.Openinformationforalllevelsofpopulationaboutbest EUpracticesinenergy supported by the EU is a guiding principle for all communicationtools.

Financial and human resources (In house and subcontracting)

Themajorityofthecommunicationactivitiesareplannedtobeimplementedbycommunicationmanagerswithinthe projectstaff.Takingintoaccountheamountoftheeventsrequiringmanagementwithvisualizationcomponents,we suggest involving Media expert from UA budget to produce Thematic Energy Film and make the video-materials for localmediawithfurtheruploadingtotheweb/internetresourcesforvisualizationoftheprocessoftheSmartEnergy Conceptdevelopment.Publications,MediaExpertfees,press-conferencesandproducingtheinformationalmaterials forparticipantswillbesubcontracted.Informationalmaterialsforprojectactivitiesareplannedtobeprovidedforthe participantsoftheevent.Informationalmaterialsincludebags,folders,printedmaterials,newsletters,penswiththe elements of the programme visualization according to the visibilityrules.

Communication tools

1. Public events: public hearings in pilot communities inUA.
2. Internetandelectronictools:NESiCAprojectweb-instrumentfordisseminationoftheprojectresultsandinforming the general public about the project results provided according to the EU visibility rules and transparency of the EU fundinguse.
3. Publications and dissemination: Newsletters, booklets, press-releases, mass media informational materials (addressedtothetargetgroups),producedThematicFilmbasedonthebestEUexperienceinborderregions.CBC SmartEnergyConceptandCommunicationPlanthatwillbepublishedinHU,SK,ROandUAandaddressedtothe local stakeholders will ensure transparency of the EU fundinguse.
4. InformationalTables,roll-upswithimageandbrandingwiththeinformationabouttheEUfundingwithintheENI CBC programme (addressed to generalpublic).

Communication objectives.

Communicationactivitiesareaimedatreachingspecificobjectivestoensureinformationalflowaboutthe Programme and EUsupport:
1. strategicapproachinenergyefficiencycanbereachedbya)raisingawarenessamongtargetgroupsandensuring visibility of use of the EU funding; b) shaping the positive attitudes of communities, producing 1 Video-Film, 5 publications as well as public hearings incommunities.
2. increasing awareness, competence and skills of the population can be reached by a) raising awareness among targetgroupsbyholdingthepress-conferencesandb)shapingthepositiveattitudesoftargetgroupsbydistribution ofthebestpracticesinenergyefficiencysectorandmediacampaigninlocalTVandinternet-resources.
3: Increasing the presently low energy efficiency by joint initiatives can be reached by a) promotion of established energyinnovationsystemsandEnergyLaboratoriesforcommunities;2)Sharingknowledgepresentingbestpractices in theEU.

Calendar of communication activities.
CommunicationactivitiesoftheNESiCAprojectareplannedaccordingtotheprojectobjectives.Themaineventsare planned with Media campaign (thematic film, press-conferences demonstrating the results of the thematic workshopsatthefirststageofprojectrealizationandatthefinalstageattheFinalConference).TheAG2isaimedat raising the awareness of population based on visibility rules ensuring the visibility and transparency of use of EU funding, dissemination of the EU support and EU experience, project results and includes the following communication activities: web-platform with relevant information for different target groups, producing and dissemination of the leaflets, booklets, newsletters in the languages of border regions. The main output of the project, the CBC Smart Energy Concept and Communication Plan, will be published in HU, SK, RO and UA, and addressedtothelocalstakeholders.TheywillensurethetransparencyoftheEUfundinguse.

Communication Activities

Activity 6.1.	Press-Conferences during the kick-off meeting, thematic workshops and Final Conferences	Informing about the project objectives and project results according to the visibility rules. Press-releases distribution with the results of the working meetings of WGs, project events aimed at effective informational exchange, video-conferences for project staff and WGs for providing the effective decision-making process and information sharing about the EU support and ENI CBC programme “Hungary- Slovakia-Romania-Ukraine 2020” (Activity 6.5.)
Activity 6.2.	Web-platform and web-information	Providing the Web-instrument with relevant information on project implementation using the EU funds in this project and professional information for experts and general information for general public.
Activity 6.3.	Visibility activities	Placing iformation and LOGOs of the Programme on all project publications, producing the informational tables that should be located in the area of infrastructure component implementation as well as at the offices of each Applicant and purchased equipment should be marked with EU Funding details.
Activity 6.4.	Dissemination of the project publications	Dissemination of the main publications: newsletters, booklets with for informing the general public and professional institutions in order to provide the multiplier effect.
Activity 6.5.	Public hearings	Public hearings in UA communities aimed at the presentation of the new energy solutions, increasing awareness of the programme, EU support among inhabitants of the communities.
Activity 6.6.	CBC Energy Concept distribution	CBC Smart Energy Concept distribution, translated and published in UA, SK, RO and HU addressed to the local population and in ENG addressed to international and transnational institutions, for informing the general public and professional institutions in order to provide the multiplier effect, increasing awareness of the programme, EU and national support, ensuring visibility and transparency of use of the EU funding and promoting the opportunities of the Programme.

4.2. Timeplan

Activity	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24	
Strategic approach	X	X	X	X	X	X	X	X	X	X	X	X														
1.1.Forming the experts groups (EGs) related to the main priority activities and holding working meetings.	X	X	X	X	X	X																				
1.2. Conducting basic researches regarding the existing opportunities in using the renewable energy in border regions. Identification of 3 pilot communities in each region and main buildings for FS.				X	X	X	X																			
1.3.Holding International thematic workshops according to the experience of each partner.							X	X	X																	
1.4.Holding the study tours and exchange sessions for new established communities in Ukraine.										X	X	X														
1.5.Establishment of the Energy Efficiency and Renewable Sources Laboratories					X	X																				
Institutional base creation				X	X	X	X	X	X	X	X	X														
2.1 Establishment of the CBC Energy Centers in Universities.					X	X	X																			
2.2.Forming the trained teams of students, teachers and experts					X	X	X																			
2.3.Holding the training sessions for interfaculty groups established for the development of energy solutions for communities and CBC Smart Energy Concept.							X	X	X																	
2.4.Holding sessions of the video-skype trainings in energy					X	X																				

YEAR 1

YEAR 2

2.5.Creation of the specialized Energy Efficiency and Renewable sources Laboratories in each partner region for energy efficiency and renewable energy sources						X	X	X																			
Raising awareness							X	X	X	X	X																
3.1.Forming the unified databases based on previous experience and best practices							X	X	X	X	X																
3.2. Development of the educational and touristic routs of the best energy solutions in border regions. Development of the Maps of the existing best practices in energy (geothermal, solar, wind energy)												X		X	X												
3.3Exchange sessions in border regions					X	X	X					X		X	X									X	X	X	
3.4 Producing the distribution of the promotional materials				X	X	X								X	X	X								X	X	X	
3.5 Development of the web-portal for communities and education on energy.														X	X	X	X										
Renewable energy system in UzhNU	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X									
4.1Preparation works. Announcement of the Tender Procedure and Procurement Rules implementation	X	X	X																								
4.2 Construction works. Stage 1				X	X	X	X	X																			
4.3 Construction works. Stage 2														X	X	X	X	X									
Management and Communication		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
6.1 Kick-off in Uzhhorod, Ukraine		X																									
6.2 Project management and coordination meetings for project staff		X	X				X			X				X									X			X	
6.3 Steering and monitoring meetings		X																									

6.4 Project management and coordination meetings for financial managers and project staff		X	X	X			X	X	X						X	X	X			X						
6.5 Video-conference meetings				X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
Communication Activities	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
CA 6.1 Press-Conferences during the kick-off meeting, thematic workshops and Final Conferences	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
CA 6.2 Web-platform and web-information				X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X				
CA 6.3 Visibility activities	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
CA 6.4 Dissemination of the project publications						X				X	X	X		X	X	X		X	X							
CA 6.5 Public hearings																	X	X	X							
CA 6.6 CBC Energy Concept distribution																		X	X	X	X					
	12 months project													Projects up to 24 months												

4.3 Procurementplan

No	Applicant/ country	Type of contract (services, supplies, works). Description items to be purchased(except for direct award procedures)	Month of planned announcement of the procurement	Estimated date of award	Duration of the implementation ofthe contract.	Budget line(s)	Value c	The title of the selected procurement procedure in English an if applicable, in thenationallanguage	Justification:	Correspondig Activities Group (AG)
Implementation year Implementation year 1										
1.	UzhNU/ Ukraine	Services	06/2020	06/2020	22	2.1. International travel cost for project staff (including travel and subsistence costs)	4 800,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
2.	UzhNU/ Ukraine	Supplies	06/2020	06/2020	12	3.1. Purchas e or rent of equipment	1 960,00	Single tender procedure	So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG1, AG2, AG5
3.	UzhNU/ Ukraine	Services	10/2020	10/2020	18	4.1 Publications	1 200,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 3
4.	UzhNU/ Ukraine	Services	05/2020	05/2020	24	4.2 Studies, research	10200,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3

5.	UzhNU/ Ukraine	Works	02/2021	02/2021	13	4.3 Costs of Expenditure Verification	2 400,00	Single tender procedure	So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 5
6.	UzhNU/ Ukraine	Services	05/2020	05/2020	24	4.6 Costs of events (conferences, seminar s)	16 300,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
7.	UzhNU/ Ukraine	Supplies	05/2020	05/2020	12	4.7 Visibility and communication actions	600,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG1, AG2, AG3, AG5
8.	UzhNU/ Ukraine	Services	07/2020	07/2020	22	4.8.1 Others	2 000,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
9.	UzhNU/ Ukraine	Services	07/2020	07/2020	22	4.8. Others	5 000,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
10	UzhNU/ Ukraine	Services	05/2020	05/2020	24	6.1 Studies, technical documentations, permissions	7 000,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 4

11	UzhNU/ Ukraine	Works	08/2020	08/2020	10	6.3 Reconstruction, works	122161,00	Negotiated tender procedure	Maybe, split of procurement procedure into lots: 1) Local tender or 2) international tender procedure	AG 4
12	SZSZBMO/ Hungary	Services	05/2020	05/2020	24	2.1.1 International travel cost for project staff	600,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1, AG 5
13	SZSZBMO/ Hungary	Services	05/2020	05/2020	24	2.3 Travel costs for other stakeholders	2300,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1 , 2
14	SZSZBMO/ Hungary	Supplies	05/2020	05/2020	24	3.1 Purchas e or rent of equipment	1 950,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1
15	SZSZBMO/Hungary	Supplies	07/2020	07/2020	21	3.2 Others	1800,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1

16	SZSZBMO/Hungary	Services	06/2020	06/2020	22	4.1.2. Publications	3 500,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1, AG3
17	SZSZBMO/ Hungary	Services	06/2020	06/2020	6	4.2.1. Energy Studies	42 000,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1
18	SZSZBMO/ Hungary	Services	06/2020	06/2020	6	4.2.2. Trainers, coordinators	6 400,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1
19	SZSZBMO/Hungary	Services	07/2020	07/2020	20	4.4 Translation, interpreters	10 280,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG1, AG2, AG3, AG5
20	SZSZBMO/Hungary	Services	05/2020	05/2020	20	4.6 Costs of events (conferences, seminar s)	5 600,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 45 000 3 quotes need based on the regulation of the self-government	AG 1

21	SZSZBMO/ Hungary	Supplies	06/2020	06/2020	6	4.7 Visibility and communication actions	1 400,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1, AG 3, AG 5
22	USV/Romania	Services	06/2020	06/2020	23	2.1 International travel cost for project staff (including travel and subsistence costs)	12864,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
23	USV/Romania	Supplies	07/2020	07/2020	1	3.1 Purchase or rent of equipment	900,00	Single tender procedure	So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
24	USV/Romania	Supplies	07/2020	07/2020	1	3.2 Others	38 500,00	Negotiated tender procedure	Competitive negotiated procedure	AG 1
25	USV/Romania	Services	07/2020	07/2020	21	4.1 Publications	3 200,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1, AG 3
26	USV/Romania	Services	05/2020	05/2020	24	4.2 Studies, research	2 400,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1

27	USV/Romania	Services	07/2020	07/2020	20	4.4 Translation, interpreters	5 280,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
28	USV/Romani a	Services	07/2020	07/2020	1	4.6.1 Costs of events (conferences, seminar s)	2 400,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1, AG 5
29	USV/Romani a	Services	07/2020	07/2020	1	4.6.2 Costs of events (conferences, seminar s)	3 600,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1, AG 5
30	USV/Romani a	Services	05/2020	05/2020	24	4.6.3 Costs of events (conferences, seminar s)	1 701,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 2
31	USV/Romani a	Services	07/2020	07/2020	21	4.6.4 Costs of events (conferences, seminar s)	6 000,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
32	USV/Romania	Supplies	05/2020	05/2020	24	4.7 Visibility and communication actions	600,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 5

33	CEI/Ukraine	Services	05/2020	06/2020	23	2.1 International travel cost for project staff (including travel and subsistence costs)	9 600,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
34	CEI/Ukraine	Services	05/2020	06/2020	23	2.2. Inland travel cost for project staff (including travel and subsistence costs)	800,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
35	CEI/Ukraine	Supplies	05/2020	06/2020	2	3.1 Purchas e or rent of equipment	1960,00	Single tender procedure	Maybe, split of procurement procedure into lots. So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
36	CEI/Ukraine	Supplies	06/2020	07/2020	1	3.2.2 Others	38500,00	Negotiated tender procedure	Competitive negotiated procedure	AG 1
37	CEI/Ukraine	Supplies	06/2020	07/2020	1	3.2.3 Others	2485,00	Single tender procedure	So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
38	CEI/Ukraine	Supplies	05/2020	06/2020	23	3.2.1. Others	500,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
39	CEI/Ukraine	Services	07/2020	08/2020	20	4.1 Publications	3 180 ,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 3, 5

40	CEI/Ukraine	Services	06/2020	07/2020	20	4.2.1. Studies, research Development energy concept	9 920,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
41	CEI/Ukraine	Services	06/2020	07/2020	1	4.2.2. Studies, research Development of the maps, newsletters / booklets / map design	7 200,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
42	CEI/Ukraine	Services	06/2020	07/2020	1	4.2.3. Studies, research Trainers for communities	7 200,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
43	CEI/Ukraine	Services	08/2020	09/2020	19	4.3 Costs of Expenditure Verification	1 800,00	Single tender procedure	So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
44	CEI/Ukraine	Services	05/2020	06/2020	23	4.4.1. Project documentation translation	6000,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
45	CEI/Ukraine	Services	08/2020	09/2020	1	4.4.2 Interpretation at the thematic workshop	1420,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000 Translation equipment	AG 1

									and interpretation services separately	
46	CEI/Ukraine	Services	05/2020	06/2020	1	4.4.3 Interpretation at the kick-off meeting	1420,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000 Translation equipment and interpretation services separately	AG 5
47	CEI/Ukraine	Services	09/2020	10/2020	2	4.4.6 Interpretation during the study tours	2200,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000 Translation equipment and interpretation services separately	AG 2
48	CEI/Ukraine	Services	08/2020	09/2020	6	4.6.1. Trainings for communities	4800,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG2
49	CEI/Ukraine	Services	10/2020	11/2020	17	4.6.2. Trainings for Energy Education Centers	2 400,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG2
50	CEI/Ukraine	Services	08/2020	09/2020	6	4.6.3. Video-Conferences for communities	4 200,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG2
51	CEI/Ukraine	Supplies	05/2020	06/2020	1	4.7.1. Visibility and communication actions Informational tables	406,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1

52	CEI/Ukraine	Services	09/2020	10/2020	2	4.7.2. Visibility and communication actions Informational materials	4 000,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
53	CEI/Ukraine	Supplies	05/2020	05/2020	24	5.2 Consumables (Preparation of project documentation)	1 920,00	Single tender procedure	So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG1, AG2, AG3, AG5
54	TUKE/Slovakia	Services	05/2020	05/2020	24	2.1 International travel cost for project staff (including travel and subsistence costs)	8 4840,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
55	TUKE/Slovakia	Supplies	06/2020	06/2020	2	3.1 Purchase or rent of equipment	3 000,00	Single tender procedure	Maybe, split of procurement procedure into lots. So, a payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 2
56	TUKE/Slovakia	Supplies	08/2020	08/2020	1	3.2 Others	47 000,00	Negotiated tender procedure	Competitive negotiated procedure	AG 1
57	TUKE/Slovakia	Services	06/2020	06/2020	1	4.1 Publications	4 700,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
58	TUKE/Slovakia	Services	06/2020	06/2020	2	4.2 Studies, research	8 000,00	Single tender procedure	A contract may be 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1

59	TUKE/Slovakia	Services	06/2020	06/2020	2	4.4 Translation, interpreters	11100 ,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1
60	TUKE/Slovakia	Services	06/2020	06/2020	1	4.6 Costs of events (conferences, seminars)	17 125,00	Single tender procedure	A contract may be 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 5
61	TUKE/Slovakia	Supplies	06/2020	06/2020	2	4.7 Visibility and communication actions	400,00	Single tender procedure	A payment may be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 3, 5
62	NYE/Hungary	Services	06/2020	06/2020	2	2.1 International travel cost for project staff (including travel and subsistence costs)	5 270,00	Single tender procedure	So, a payment may be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
63	NYE/Hungary	Supplies	05/2020	05/2020	24	3.2 Others	16 401,0 0	Single tender procedure	A contract may be 'Single tender procedure' when the contract does not exceed EUR 20 000	AG1, AG2, AG3, AG5
64	NYE/Hungary	Services	07/2020	07/2020	21	4.1 Publications	2000,00	Single tender procedure	So, a payment may be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
65	NYE/Hungary	Services	07/2020	07/2020	20	4.2 Studies, research	0.00	Single tender procedure	A contract may be 'Single tender procedure' when the contract does not exceed EUR 20 000	AG 1

66	NYE/Hungary	Services	05/2020	05/2020	24	4.6 Costs of events (conferences, seminar s)	3 150,00	Single tender procedure	So, a payment may be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
67	NYE/Hungary	Supplies	05/2020	05/2020	24	4.7 Visibility and communication actions	835,00	Single tender procedure	A payment may be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1
Implementation year Implementation year 2										
67.	USV/Romania	Services	10/2021	10/2021	6	4.6 Costs of events (conferences, seminar s)	3 600,00	Single tender procedure	A payment can be made against invoice without prior acceptance of a tender if the expenditure is small or2500	AG 1, AG 5
68	CEI/Ukraine	Services	04/2022	04/2022	1	4.4.6 Interpretation at the Final Conference	1960,00	Single tender procedure	A contract 'Single tender procedure' when the contract does not exceed EUR 20 000 Translation equipment and interpretation services can be separately	AG 5

4.4. Projectteam

Proposed position	Name of expert	Years of experience	Educational background	Specialist areas of knowledge	Experience in beneficiary country	Languages and degree of fluency (Very Good,Good, Weak)
Project Coordinator LA UA	Oleksandr Rohach	17	DSc. in Law	Legislation process, issues of state policy, comparative law, abuse of rights	17 years of teaching and research at Ukrainian academic and educational institutions; supervising graduate research; experience on managing positions on various levels	Ukrainian –Very Good English - Weak
Financial manager LA UA	RuslanaVovchanska	12	Higher education in accounting	Accounting, finance	12 year of hand-s on book-accounting, holding managing positions in accounting office	Ukrainian - Very Good English - Weak
Technical Manager LA UA	Dmytro Soyma	38	Higher education in Biology	Biology, ecology, construction, building, engineering, radio physics	Teaching and at Ukrainian academic and educational institutions; experience on managing positions in research institutions and analytical centers	Ukrainian - Very Good
Energy Engineer LA UA	Igor Chychura	6	Mgr. in Instrument Making	Engineering, architecture, construction, instrument making	6 years of teaching	Ukrainian - Very Good English - Good
Assistent LA UA	TetianaDoshko	2	Mgr. inEnglish Language and Literature	Englishlanguage andinternational relations	assistance in cross-border projects, coordinating program of international academic mobility,	Ukrainian - Mother tongue, Russian – verygood,English– very good, French– weak.
Coordinator	Marosi Katalin	6	economist	project coordination regional development	16 years in project management and	Ukrainian, Russian - very good,

A1 HU				experience on international project implementation project reporting	financial, communication	English- weak
Financial Manager A1 HU	BrigittaMajorne Laszlo	34	economist	Certified auditor - financial manager	34 years experience in project management	English - very good
Communication Manager A1 HU	Obbagy Vera	13	Degree in languages and economy studies	project coordination regional development experience on international project implementation project reporting	5 years in project management and financial,	English - very good, Slovakian - very good Italian good
Project ManagerA2 RO	Constantin UNGUREANU	17	Lecturer PhD Eng.	Renewable energy sources, Energy conversion systems	1national research grants (project manager), 4 national research grants (researcher),	English -Good
Financial Manager A2 RO	Gabriela POPOVENIUC	15	expert, financial manager	Financial accounting, budget accounting, human resources management	Financial and budget accounting of research projects	English/ Good
Energy ManagerA2	Cezar-Dumitru POPA	30	Associate Professor PhD Eng.	Low and medium electrical installations, Energy efficiency, Energy auditor, Stations and electrical power plants	5 national research grants	English/ Good

Energy Auditor forbuildings A2 RO	Pavel ATĂNĂSOAE	30	Lecturer PhD Eng.	Low and medium electrical installations, Energy efficiency, Energy auditor for buildings, Renewable energy sources	4 national research grants, 6	English/ Good
Scientific research directorA2 RO	Adrian GRAUR	45	Professor PhD Eng.	Devices and electronic circuits,Frequencyidentification,Electrical drives	34 national research grants, 8 international research grants	English/ Good
Energetic researcher A2 RO	Radu-Dumitru PENTIUC	35	Professor PhD Eng.	Low and medium electrical installations, Energy efficiency,Energetic auditor	23 national research grants, 7 international research grants (researcher),	English/ Good
Project ManagerA3 UA	Nataliya Nosa-Pylypenko	12	Engineer – manager,economy and interpreter Kharkov Aviation Institute	Project management , networking, economy	Project development and project management in Ukraine, Hungary, Slovakia, Romania	Russian and Ukrainian (very good)English(very good)
Financial Manager A3 UA	Nataliya Shtybel	7	Accounting and book keeping Kiev Trade and Economic University	Accounting and financial management	Zakarpattia oblast: financial management	Russian and Ukrainian (very good) English (good)
Communication manager A3 UA	VadymPylypenko	7	Communication manager	Communication strategy implementation	Zakarpattia oblast: financial management	Russian and Ukrainian (very good) English (good)

Assistant A3 UA	TBD	TBD	TBD	TBD	TBD	TBD
Coordinator A4 SK	TBD	TBD	TBD	TBD	TBD	TBD
Financial manager A4 SK	TBD	TBD	TBD	TBD	TBD	TBD
Communication manager A4 SK	TBD	TBD	TBD	TBD	TBD	TBD
Technical manager A4 SK	TBD	TBD	TBD	TBD	TBD	TBD
Energy teacher A4 SK	TBD	TBD	TBD	TBD	TBD	TBD
Project managerA5 HU	CsabaiJudit	16	PhD Horticulturalist	project Management	10 years in project management	English very good
Financial Manager A5 HU	Sallai Kocsis Victoria	15	accountant, university degree	financial management	15 years in financial management	English, Russian
IT Manager 1 A5 HU	Halázs Attila	7	MSC in Computer Science	Informational Communication Technologies	7 years in Informational Communication Technologies	English B2
Energy Manager 1 A5 HU	Dr. Szilágyi Attila	13	mechanical engineer (MSc) diploma specialized energetics	energetics, engineering	13 years in energetics, engineering	English B2

Energy Manager 2 A5 HU	Szegedi Attila	16	Agricultural mechanical engineer diploma	mechanical engineering	16 years in mechanical engineering	English B2
Education process managerA5 HU	Dr. KovácsZoltán	18	Doctor of agricultural engineering sciences,	Engineer of agricultural mechanization, Computing engineering, logistics,	18 years in engineering and teaching	English, Russian, Ukrainian

5. Lead Applicant'sProfile

Name of the organisation in EN	State University ‘Uzhhorod National University’
Name in original language	DVNZ "UzhhorodskyiNatsionalnyiUniversytet"
Nationality	Ukraine
Legal Status	Public
Organisation ID	02070832
Postal address	Ukraine ZakarpattiaUzhhorod 88000 Pidhirna 46
Contact person	Ms. Prof. MyroslavaOleksandrivnaLendel
Contact person's availability (email; phone)	mlendel@bagel.com.ua +380312233341

Experience with similar projects

Name of the Programme	ENPI CBC Programme Hungary-Slovakia-Romania-Ukraine 2007-2013
Title of project	Interactive institutional cooperation. History, traditions and culture
Sector	History and culture
Location of the project	Romania, Ukraine
Total budget	211 693,00
Managed budget	58 053,00
Role in the Project	Partner
Project duration	18
Short description of the project	
Overallobjective:Tointensifyanddeepenthecooperationinanenvironmentallysustainableway between Transcarpathia region of Ukraine and eligible and adjacent areas ofRomania. Approachofpopulationofneighbouringcountriesanddeepeningofthehistoryandculturallinks. Period of implementation 01.01.2014 –31.08.2015	
Name of the Programme	ENPI CBC Programme Hungary-Slovakia-Romania-Ukraine 2007-2013
Title of project	Space Emergency System HUSKROUA/1101/252
Sector	Measure 2.2 Emergency Preparedness
Location of the project	Ukraine, Hungary, Romania, Slovak Republic
Total budget	537 610,00
Managed budget	263 744,00
Role in the Project	Leader Partner
Project duration	22
Short description of the project	
Establishmentofarealtimemonitoringandwarningsystemtoreducerisksanddamagesof natural disasters on population, resources and environment in the study area by means of satellitetechnologiesexploitation.TheUniversityparticipatedasaleadapplicant.	
Name of the Programme	ENPI CBC Programme Hungary-Slovakia-Romania-Ukraine 2007-2013
Title of project	PI@NETour HUSKROUA/1101/105

Sector	Measure 1.1 Harmonised development of tourism
Location of the project	Romania, Ukraine
Total budget	529 724,00
Managed budget	91 500,00
Role in the Project	Partner
Project duration	23
Short description of the project	
Creation of the leading center for exchange of experience in the spheres of astronomy, educationalandscientifictourism.Promotionoftheastronomyamongpeople.Constructionof the modern planetarium. The University participated as a partnerinstitution.	

6. Applicant 1'sProfile

Name of the organisation in EN	Self-Government of Szabolcs-Szatmar-Bereg County
Name in original language	Szabolcs-Szatmár-BeregMegyeiÖnkormányzat
Nationality	Hungary
Legal Status	Public
Organisation ID	731773
Postal address	Hungary Szabolcs-Szatmár-BeregMegyeiÖnkormányzat Nyiregyhaza 4400 Hősöktere 5
Contact person	Mr. OszkárSeszták
Contact person's availability (email; phone)	elnok@szszbmo.hu +36599527 +36204969250

Experience with similar projects

Name of the Programme	ENPI CBC "Hungary - Slovakia - Romania - Ukraine" 2007 - 2013
Title ofproject	HUSKROUA/1001/066 Sustainable development of border regions
Sector	institutional cooperation
Location of the project	Hungary, Romania
Total budget	398.165,00 EUR
Managed budget	150 000,00
Role in the Project	Leader partner
Project duration	24
Short description of the project	
Creation of the sustainable conditions for effective cooperation between authorities and self- governments, non-governmental organizations and institutions in border regions provided by effective implementation of the Carpathian Euroregion Strategy 2020& beyond. Development of the Carpathian Euroregion Strategy 2020& beyond.	

Name of the Programme	ENPI CBC "Hungary - Slovakia - Romania - Ukraine" 2007 - 2013
Title ofproject	HUSKROUA/1101/067 Touristic heritage in Little-Europe

Sector	institutional cooperation
Location of the project	Hungary, Romania, Ukraine
Total budget	498 448,00
Managed budget	181.320,00 EUR
Role in the Project	Leader partner
Project duration	22
Short description of the project	
The main objective of the Action is the development of Little-Europe as touristic destination based on an overlapping and standard concept, creation of an overall image, exploitation, and demonstration of the heritage value. Furthermore, another aim is to improve the competency and shape the service providers' (who operate in the destination) view.	

6. Applicant 2's Profile

Name of the organisation in EN	Stefan cel Mare University of Suceava
Name in original language	Universitatea Stefan cel Mare Suceava
Nationality	Romania
Legal Status	Public
Organisation ID	4244423
Postal address	Romania Suceava Suceava 720229 Universitatii 13
Contact person	Mr. PhD.Eng. Constantin UNGUREANU
Contact person's availability (email; phone)	costel@usm.ro+40230522978 +40754932296

Experience with similar projects

Name of the Programme	EU Programme. ERDF. Competitiveness through Research, Technological
Title of project	MANSiD-Integrated Research, Development and Innovation Center
Sector	Research
Location of the project	Suceava
Total budget	6 839 282,00
Managed budget	6 839 282,00
Role in the Project	Leader partner
Project duration	9
Short description of the project	
Theoverallobjectiveoftheprojectistoincreasethemultidisciplinaryandinterdisciplinary R&D capacity through the development of specific infrastructure and the attraction of young researchersandhighlyqualifiedspecialistsbothtotheUniversityandtofirmswithresearchand development departments the northeast of Romania. The second specific objective is the development of the entrepreneurial component by initiating new R & D projects and collaborations	
Name of the Programme	PHARE Transfrontalier ROUA. RO 2004/016-942.01.01.22
Title of project	Romania-Ukraine: Common Management for Protection of the Air Quality
Sector	Environmental Protection
Location of the project	Romania and Ukraine
Total budget	688 230,00

Managed budget	618 000,00
Role in the Project	Leader Partner
Project duration	24
Short description of the project	
2006-2008. Developed common management system for air quality protection in the cross-border region Romania - Ukraine (Suceava - Cernauti (Chernivtsi)). Among the specific objectives of the project can be mentioned: the assessment of the quality of the air environment factor in the Romania - Ukraine cross-border area, the development of the operational capacity, in a cross- border context, of the public-private structures involved in the air quality protection.	

Name of the Programme	POSCCE SMIS 23038 504/323/13.12.2011. Information and Communication
Title of project	Developing an E-Education Information Platform
Sector	Information and Communication
Location of the project	Suceava
Total budget	1 122 454,34
Managed budget	1 122 454,34
Role in the Project	Leader Partner
Project duration	24
Short description of the project	
2011-2013.DevelopmentofaneLearninglearningportalwithinthe"ŞtefancelMare"Universityof Suceava to ensure, on the one hand, the flexibility of the electronic administration of the educational process through the administration facilities specific to the university and, on the otherhand,theefficiencyofthelearningprocess,byprovidingstudentsandteacherswithremote study and evaluation modules. The project is aimed at creating and using an e-Learning portal for USV.	
Name of the Programme	URBACT III cooperation program Swiss-Romanian Cooperation Program
Title of project	Electromobility - Electric Vehicles for a Green Municipality
Sector	Energy
Location of the project	Suceava
Total budget	676 628,17
Managed budget	443 282,60
Role in the Project	Partner
Project duration	24
Short description of the project	
GeneralobjectiveoftheprojectistoimprovetheurbanenergyefficiencymanagementinSuceava Municipality as a result of implementing a pilot electro-mobility system in view of reducing CO2 emissions and increasing the market standard of population. The specific objective is to increase number of electric vehicles in the vehicle fleet of Suceava Municipality, number of electric bikes and setting up the related charging infrastructure in view of reducing fuel consumption and CO2 emissions.	
Name of the Programme	P2 - Increase the Competitiveness of the Romanian Economy
Title of project	Improving the energy efficiency of the combined heat and power
Sector	Energy/Bioeconomy
Location of the project	S.C. RIG Biomass S.R.L. Tarcau, Romania
Total budget	10 034,00
Managed budget	10 034,00
Role in the Project	Leader Partner
Project duration	10
Short description of the project	
2017. The main objective of the project development, resulted from the necessity of the economic agent for the increase of the CHP energy efficiency, is to increase the amount of the electricity qualified as being produced in high efficiency cogeneration. Thespecificobjectivesoftheprojectare:thecollaborationbetweenuniversityandtheeconomic agentinordertounderstandandoptimizetheoperationofthecombinedheatandpowerplant; improving the energyefficiency	

6. Applicant 3’s Profile

Name of the organisation in EN	Non-Governmental Organization "European Initiatives Centre”
Name in original language	Hromadskaorganizatsia "CentrYevropeiskykhInitsiatyv”
Nationality	Ukraine
Legal Status	Private
Organisation ID	598866
Postal address	Ukraine ZakarpattiaUzhhorod 88018 Shvabskaya Street71a
Contact person	Ms. Ing. Nataliya OleksandrivnaNosa-Pylypenko
Contact person's availability (email; phone)	natalie.nosa@gmail.com +380050993254990

Experience with similar projects

Name of the Programme	ENPI CBC Programme “Hungary-Slovakia-Romania-Ukraine” 2007-2013
Title of project	Sustainable Energy Educational Demonstration Center – SEED Center
Sector	Environmental protection, sustainable use and management
Location of the project	Romania and Ukraine
Total budget	650 310,00
Managed budget	37 057,00
Role in the Project	Partner
Project duration	34
Short description of the project	
Aim:promotionofenergyefficiencyandrenewableenergyinstitutions;establishmentofEnergy Demonstration Center in Uzhhorod; development of the educational materials for pupils of secondary schools; holding trainings,workshops.	
Name of the Programme	ENPI CBC Programme “Hungary-Slovakia-Romania-Ukraine” 2007-2013
Title of project	Energy Games – Energy takes shape
Sector	Environmental protection, sustainable use and management
Location of the project	Hungary, Slovakia, Romania, Ukraine
Total budget	109 532,00
Managed budget	21 360,00
Role in the Project	Partner
Project duration	27
Short description of the project	
Providing support to the active participation of student and teachers in trainings to reduce greenhouse gas emissions, learin the principles of saving energy in schools, homes and raise awarenessabouttheimportanceofconservationofnaturalresourcesthroughtheuseofenergy from renewablesources.	

6. Applicant 4’s Profile

Name of the organisation in EN	Technical University of Kosice
Name in original language	Technickáuniverzita v Košiciach
Nationality	Slovakia
Legal Status	Public
Organisation ID	00397610
Postal address	Slovakia Košickýsamospávnykraj Kosice 04200 Letná 9
Contact person	Ms. Ing. PhD. MáriaGamcová
Contact person's availability (email; phone)	Maria.Gamcova@tuke.sk +421556024180

Experience with similar projects

Name of the Programme	OPVaV-2009/2.2/02-SORO (ITMS code: 26220220064)
Title of project	VUKONZE-Research centre for performance of the renewable energy
Sector	Research and development, education
Location of the project	Whole region of Eastern Slovakia
Total budget	5 323 601,00
Managed budget	401 998,00
Role in the Project	Partner
Project duration	24
Short description of the project	
Mainactivitieswithintheproject: • Researchinthefieldsofinteroperabilityandeffectivenessofcomponentsandtechnologies applied for the renewable energyresources. • Researchanddevelopmentlaboratoriesandtoolsforintegrationandusabilityofmulti- valence systems of the renewable energyresources. • Complexinformation,communicationandknowledgesupportforthe“VUKONZE”research	
Name of the Programme	OPVaV-2009/2.2/03-SORO (ITMS code 26220220080)
Title of project	Research of characteristics of effective components for photovoltaic
Sector	Research and development, education
Location of the project	Košice, Prešov (Slovakia)
Total budget	1 580 056,16
Managed budget	154 823,20
Role in the Project	Partner
Project duration	48
Short description of the project	
Main activities within the project: • CriticaldetectionofselectedphotosensitivematerialsusedforPVtechnologyand components based on desk-research and laboratorytests. • Industrialresearchintonewcombinationsofphotosensitivematerialstoincreaseefficiency per unit area under medium-range climateconditions.	
Name of the Programme	OPVaV-2009/2.2/05-SORO (ITMS code 26220220145)

Title of project	Protecting the population of SR against the electromagnetic fields
Sector	Research and development, education
Location of the project	Košice, Trnava and measuring in the whole of Slovakia (Slovakia)
Total budget	4 334 623,96
Managed budget	451 008,00
Role in the Project	Partner
Project duration	54
Short description of the project	
Main activities: • Conductingresearchonthedistributionofelectromagneticfieldsincitieswiththe population of over 10000; • Investigationoftheimpactofbuildingobjectsonthemagnitudeofexposuretothe electromagnetic field in theirvicinity.	

6. Applicant 5'sProfile

Name of the organisation in EN	University of Nyiregyhaza
Name in original language	NyíregyháziEgyetem
Nationality	Hungary
Legal Status	Public
Organisation ID	FI74250
Postal address	Hungary Szabolcs-Szatmár-BeregmegyeNyíregyháza 4400 Sóstói street 31/B
Contact person	Dr. DudásÉva
Contact person's availability (email; phone)	dudas.eva@nye.hu+3642599400 +36309343979

Experience with similar projects

Name of the Programme	TÁMOP-4.2.2D-15/1/KONV-2015-0014
Title of project	Innovative and ecological cleaning of urban sewage and the environment
Sector	Environment, innovation
Location of the project	Nyíregyháza
Total budget	700 000,00
Managed budget	700 000,00
Role in the Project	Partner
Project duration	10
Short description of the project	
Innovations in sewage management	
Name of the Programme	KEOP-4.10.0/C12/2013-0057

Title of project	Installation of solars cells into the buildings of the College Nyiregy
Sector	Energy
Location of the project	Nyiregyhaza
Total budget	1 000 000,00
Managed budget	1 000 000,00
Role in the Project	Beneficiary
Project duration	6
Short description of the project	
Installation of solar cells in the College of Nyíregyháza	