

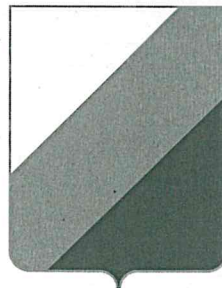
COALESCCE
Interreg Europe



European Union
European Regional
Development Fund

Abruzzo Region Action Plan

REGIONE
ABRUZZO

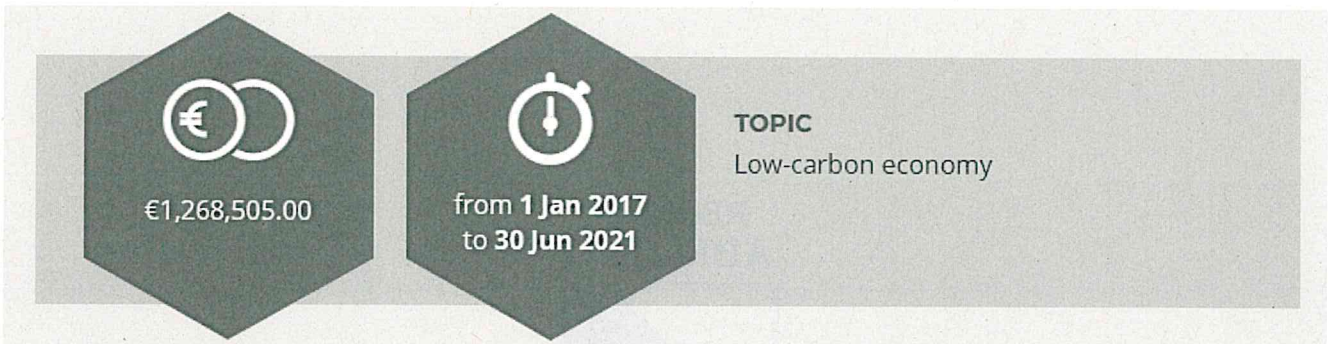


Project summary

The “Community owned and led energy for security climate change and employment” (COALESCCE) is a project financed by the INTERREG Europe Programme, European Regional Development Fund (ERDF). Main aim of the project is to increase the capacity of community based approaches to local renewable energy provision in order to reduce carbon emissions, increase energy security and tackle fuel poverty whilst driving ‘Green Growth’.

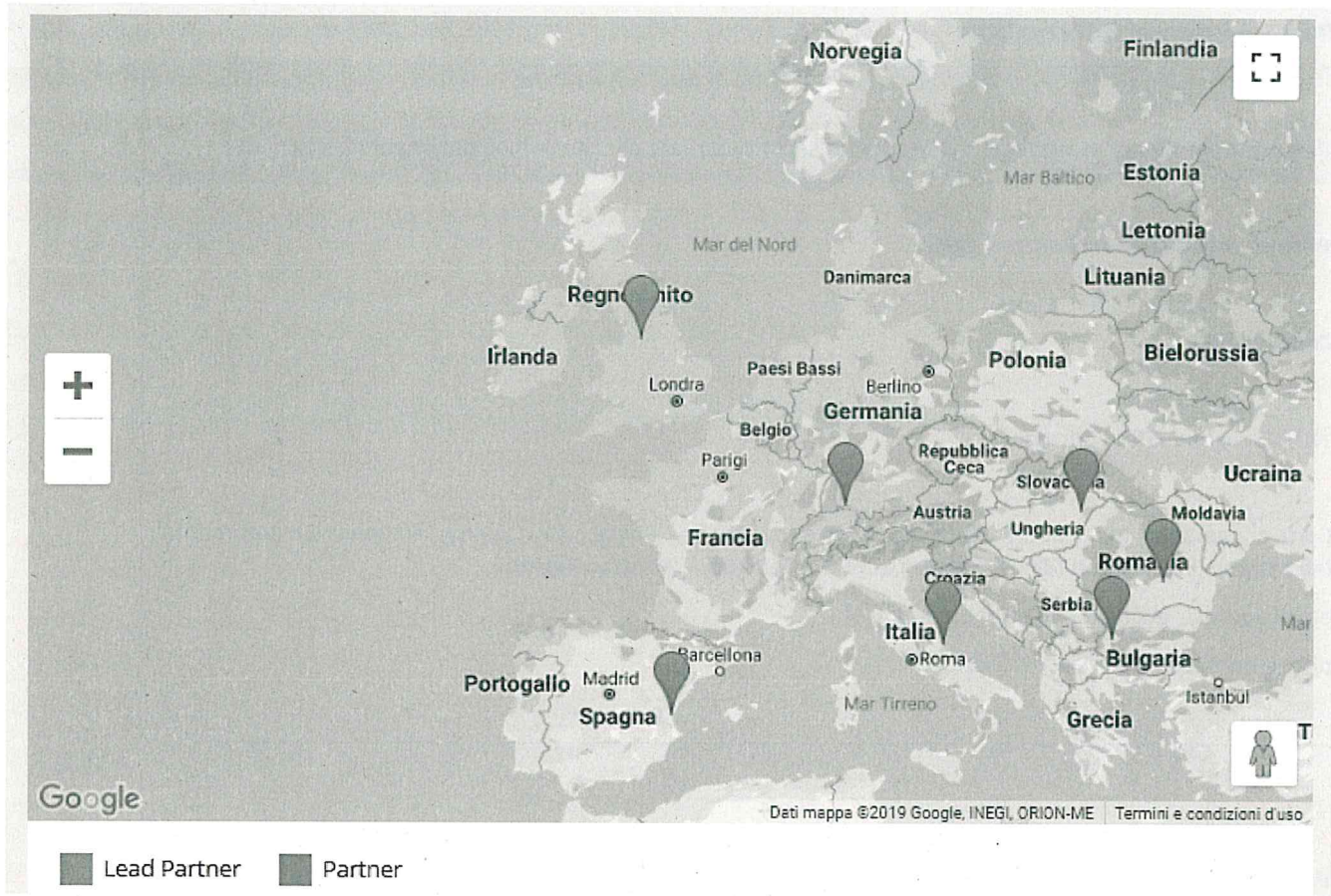
For this project, community energy is defined as the provision of energy infrastructure, primarily renewable energy generating infrastructure but also energy efficiency measures, led by community groups and owned wholly or partly by local communities typically through the issue of community shares, using local supply chains and providing local employment opportunities, motivated by the objectives of environmental improvement and keeping the value of energy generation within the local population rather than it going to large national and multinational corporations. Although one key aspect of community energy is local community ownership of projects, this does not mean that finance for every development stage of a community energy project is easy to come by, or that the state should not support such projects either through direct or indirect means (grants, loans, expertise or market mechanisms).

Currently state interventions are skewed towards support of large corporations which offer poor value to local communities, keeping it at a corporate level. The project seeks to increase investment in local community energy investment via support from Structural Fund and ETC programmes. Integrated regional low-carbon strategies need to focus more on community energy investments to reach these targets, but there is currently significant disparity across the member territories in this policy area: where some have none at all, those who do vary substantially in the levels of interventions and stakeholders that they favour and therefore their outcomes, in particular in the share of renewable energy infrastructure owned by communities and supported through the relevant structural fund programmes. COALESCCE aims to address this disparity.



Partnership

- Oldham Metropolitan Borough Council (UK) – lead partner
- Abruzzo Region (IT)
- EPF Euro Perspectives Foundation (BG)
- Energy Efficiency and Renewable Energy Agency «Ae3R Ploiești - Prahova» (RO)
- Institute of Valencian Business Competitiveness (ES)
- LENERG Energy Agency (HU)
- Lake Constance Foundation (DE)



Website

<https://www.interregeurope.eu/coalescCe/>

Social

<https://www.facebook.com/coalescCe/?fref=nf>

<https://twitter.com/hashtag/coalescCe>

https://www.youtube.com/channel/UCEY_FsYd8FSciNRSgwJowlg

Part I – General information

Project: Community owned and led energy for security climate change and employment (COALESCCE)

Partner organisation: Abruzzo Region

Country: Italy

NUTS2 region: ITF1 - Abruzzo

Contact person: Iris Flacco, Head of Service of Energy Policy, Air Quality, National Environmental Information System and Mining Resources of the Territory – Abruzzo Region

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Part II – Policy context

Type of RAP: 1 and 2

The Action Plan aims to impact:

<input checked="" type="checkbox"/>	Investment for Growth and Jobs programme
<input type="checkbox"/>	European Territorial Cooperation programme
<input checked="" type="checkbox"/>	Other regional development policy instrument

Name of the policy instrument addressed: Abruzzo Regional Operational Programme (ROP ERDF); Regional Plan of Energy; Regional Plan of Adaptation to Climate Change.

Further details on the policy context and the way the action plan should contribute to improve the policy instrument:

The policy instrument identified by Abruzzo Region within the COALESCCE project is the Abruzzo Regional Operational Programme (ROP) ERDF 2014-2020 with special attention to Axis IV which is fully dedicated to the promotion of energy efficiency and reduction of energy consumption and emissions in public buildings, as well as the promotion of energy efficiency in SMEs. Abruzzo Region is the Managing Authority of the regional ROP ERDF and the Service of Energy Policy, Air Quality, National Environmental Information System and Mining Resources of the Territory of the Abruzzo Region, which is a partner in the COALESCCE proposal, is the Office Competent for Operations (OCO) of Axis IV and has managed the call for proposals on energy efficiency of public buildings (schools). Call for proposals and announcements on energy have been already launched and there is no budget left for the launch of new calls and funding of new proposals within the ROP ERDF 2014-2020. Thus,

we will implement a new community energy project at the campus of the University "G. D'Annunzio" of Chieti-Pescara (university and regional funding) and in parallel we will lead an awareness campaign and a transfer of competences/expertise on community energy at schools which are going to start their 2014-2020 ERDF ROP projects with the support of the university so to be able to spread data, operational guidelines, procedures, etc..., based on the real case of the university, at schools for eventually replicate a project. Students and school staff will be actively involved in the monitoring of the reduction of energy consumption over time. They will also contribute to the identification and implementation of the energy measures whenever applicable. This activity will be supported by a regional decree. The longer term aim of the project at the university will be to seek funding in the next ROP ERDF 2021-2027 also through the preparation of guidelines on community energy. Thus, the new project which will be implemented at the University "G.D'Annunzio" of Chieti-Pescara and which will be transferred to schools, will allow the development work to be undertaken so that when the first calls for proposals are launched in the new ROP, Abruzzo will be in a good position to access ERDF support to implement the new community energy installations. Anyway, the Service of Energy is strongly supporting the community energy project at the university campus and has proposed it for funding in case of possibility of reallocation of ERDF ROP 2014-2020 funding which has been further re-discussed during past weeks. Last but not least, the Service of Energy is responsible for regional plans and programs on energy. As such, it will include the community energy model in the regional energy plan for climate and energy.

The Action Plan is endorsed by the regional government and regional stakeholders and this will also raise awareness of community energy in the regional government itself, the Managing Authority and the whole territory.

The direct result of the COALESCCE project is that community energy will be mentioned for the first time in the regional strategies and tools. A new project and new approaches will be adopted thanks to the lessons learnt in other regions, above all the Oldham Community Power, as further detailed in next sections. Sharing of experiences, best practices and recommendations during the following events have also influenced the RAP:

- the Abruzzo Region COALESCCE peer review held on 12-16 February 2018. The meeting has been attended by 8 stakeholders and a visit to the Marramiero company and the smart tunnel in L'Aquila has been organized. According to the peer review team, it is clear that Abruzzo has a very strong framework of national and regional programmes for the promotion of renewable energy and energy efficiency projects. However, whilst there are a number of ways in which citizens are engaged and consulted on energy and climate change matters, the current approach to engage of citizens does not currently lead to them leading on the development of community energy projects. Recommendations from the peer review team which were discussed at the first stakeholder workshop include: policy and strategy (e.g. Regional Plan of Adaptation to Climate Change – PACC) should mention community energy; leading stakeholders should make a public commitment to community energy and make a resource available (eg website); region should aim to educate citizens; participatory process could include community energy; public and private sector should raise awareness of economic opportunities from community energy.

- Following the peer review in Pescara, on 7th December 2018, the Abruzzo Region organized an Action Planning Workshop with 10 stakeholders participants. The output of the event was a first draft of the Action Plan and the identification of the role of the Abruzzo Region and stakeholders within that for the support of the community energy sector in Abruzzo Region. Consultations with stakeholders went on by direct contacts (meetings, telephone calls, email exchange).

- workshop in Sofia, Bulgaria, on 28-30 January 2019. The meeting has been attended by the regional staff and 6 stakeholders. During the meeting, the first draft of the APs have been discussed;

- after the Sofia meeting, direct contacts with stakeholders have continued and the Abruzzo Region AP has been presented at the meeting in Pescara on 22-24 May 2018 attended by all stakeholders and project partners.

Stakeholders have been involved in the analysis and identification of best practices and initiatives in the field of community energy; identification of actions to be included in the AP; they have attended 3 major workshops to build the RAP; they will cooperate at the RAP implementation and monitoring. Details on their role and the role of the Abruzzo Region are reported under each action description in next section.

Main aim of this AP is to improve the community energy initiatives at a regional level, thus:

- the involving of citizens in the regional policies, programs and plans;
- fostering the energy self production and sustainability;
- boosting the economic and social growth.

This will be done through the identification and implementation of dedicated measures and actions foreseeing those kind of initiatives.

Part III – Details of the actions envisaged

The Action Plan foresees three main actions:

1. Increase of the development of community energy among citizens;
2. Implementation of a new community energy project at the University “G. D’Annunzio “ of Chieti-Pescara titled FUOCO (First University Opportunity of Community pOwer)
3. Update of the regional energy plan into regional energy and climate plan including community energy initiatives.

ACTION 1: Increase of the development of community energy among citizens

1. The background

The good practices learnt from the COALESCCE partners that influenced the development of this action are three:

- the renewable energy tours, Germany: organization of guided tours and demonstrations in energy sites;
- the Community Energy England, UK: Umbrella organization for community energy organizations (sharing of good practices, hub website, case studies);
- the strawbale houses, Hungary: sharing of experiences and ideas on straw bale construction; involvement of citizens.

Last but not least, the above mentioned action comes from the project meetings as described in previous sections and recommendations of the COALESCCE peer review team further to the peer review held in Pescara, Italy on 12-16 February 2018.

2. Action

The activities which will be implemented under action 1 are:

1.1 identification of the community energy initiatives in the regional territory. Information on the existing community energy initiatives in the Region of Abruzzo will be gathered and a report on that will be realized;

1.2 promotion of those initiatives through a dedicated website/web page where case studies can be uploaded also for sharing and networking (e.g. realization of a forum) purpose. Distribution of leaflets and material on community energy developed as COALESCCE toolkit is also foreseen on regional level. They will be displayed at the Abruzzo Region and stakeholders’ premises;

1.3 participatory approach, that is organization of several meetings with representatives of existing energy community project and citizens. These meetings will be held at the energy community sites whenever possible. During these meetings, presentation of the regional community energy projects at policy makers, stakeholders and all citizens will be made. Also EU initiatives, with particular attention to the COALESCCE ones, will be discussed. Opportunities, problems, challenges and needs of the community energy project will be highlighted.

1.4 awareness campaign and transfer of knowledge from the Abruzzo Region and the University "G. D'Annunzio" of Chieti-Pescara on the new community energy project implemented at the campus of the University (see action 2 for details) to the schools which have been granted with the ERDF ROP 2014-2020 funding for energy efficiency projects.

Within Axis IV of the abovementioned policy instrument, Action 4.1.1, a call proposals has been published in March 2017 on "Promotion of eco-efficiency and reduction of primary energy consumption in buildings and public facilities: renovation of individual buildings or complex of buildings, installation of intelligent remote control systems, regulation, management, monitoring and optimization of energy consumption (Smart building) and polluting emissions also through the use of technological mix". All local authorities of the Region of Abruzzo owners of school buildings (municipalities) could apply for this public notice. Indeed, main aim of the public notice is to reduce energy consumption in public school buildings. The total financial endowment is euro 7.000.000. 100 projects are eligible for funding. So far, 74 municipalities have been funded (36 projects have been already concluded, meanwhile the others are ongoing), for implementing project of energy efficiency of schools. Examples of foreseen actions are: interventions on transparent envelope, through the substitution of fixtures; interventions on heating and cooling systems; interventions on opaque envelope, through interventions of insulating coating, walls and attics and coverage.

A dedicated information and awareness campaign on community energy will be implemented at the abovementioned schools and students and school staff will be actively involved in the projects development and monitoring. First of all, it is worth to highlight that the projects funded within the ERDF ROP, and thus the agreement signed by the Region with the municipalities, foresees the monitoring of energy consumptions. So, students and the school staff will actively take care of the monitoring of the implemented energy efficiencies measures according to homogeneous protocols adopted the Abruzzo Region. This means that for three years schools and municipalities are active on the knowledge of energy savings and direct monitoring of the reduction of consumption over time. They will also contribute to the identification and implementation of the energy measures whenever applicable. Meetings at the schools, workshops and seminars on community energy will be organized and information on this opportunity transferred. Moreover, since the University is going to implement a new project on community energy which foresees interventions on energy efficiency, experts of the University and the Abruzzo Region will transfer in real time, action by action, information on the project development to the 38 schools which are still implementing their ERDF ROP projects in order to give them technical assistance and practical information on the community energy opportunities and eventually integrate their projects with community energy initiatives also with the help of experts of the Region and the university.

1.5 realization of guidelines on community energy for ERDF ROP 2021-2027 with the aim of financing community energy projects within the upcoming policy instrument. The guidelines will be realized also thanks to the previous actions, in particular the participatory process.

The **Monitoring Methodology** foresees:

- the definition of deadlines and responsible for each sub-action;
- setting up of a committee coordinated by the Region and made up by stakeholders and representatives of regional community energy initiatives;
- at least 1 meeting per year to check the progress of the action plan;
- realization of a report after each meeting.

3. Partners involved

Legambiente (Environmentalist Association), ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development) and municipalities for action 1.1. They will work in coordination with the region at the identification of the regional community energy initiatives since they hold the information needed. For instance, Legambiente has organized a national conference on 14th May 2019 in Rome about community energy and has realized a publication on this topic; ENEA and the municipalities can give information on photovoltaic plants managed by condominiums.

CDCA (Documentation Centre on Environmental Conflicts), Universities, Regional Centers for Environmental Education (CEAs), CNA (National Confederation of Crafts and Medium Enterprises), Confindustria (Italian Association of Manufacturing and Service Companies) and other environmentalist and industries associations, including the staff of the Pescara Charter, for action 1.3. In particular, they will take care of the information and awareness campaign as well as of the organization of meetings.

University "G. D'Annunzio" of Chieti-Pescara for action 1.4 since it will take care of the spreading of information

on the new community project to be implemented at the campus (action 2) to schools and will also offer “assistance” for eventually integrating the ERDF ROP energy efficiency projects with the community energy projects.

Abruzzo Region will perform actions 1.1, 1.3 and 1.4 in coordination with stakeholders; it will be the main responsible of action 1.2 and 1.4 since it will realize the website/web page and the guidelines. Moreover, for all actions foreseen in this RAP, it will coordinate with all stakeholders for assuring the implementation of activities in time and as scheduled in the AP.

4. Timeframe

Action 1.1 from July to December 2019

Action 1.2 from October 2019 to December 2020

Action 1.3 from October 2019 to December 2020

Action 1.4 from July 2019 to June 2020

Action 1.5 from September 2019 to June 2020

5. Estimated costs: € 20.000,00. This refers to the staff costs working at the actions; realization of a dedicated website on community energy projects (even if the realization of a web page in the Abruzzo Region website is fostered); organization of meetings (hiring of venue, catering, translations if needed); printing of posters, flyers and other documents; travel expenses for EU/COALESCCE experts.

6. Funding sources : Regional and stakeholders’ staff; regional budget.

7. Risks and mitigation plan

Identified risk	Probability	Risk mitigation - action
Difficulty in identifying community energy projects	Medium	Mapping made by stakeholders with experience in the field. Contact with other organizations than the ones identified for the gathering of information.
No regional community energy projects existing / few examples	Medium	The list of examples of regional community energy project will be integrated by the examples coming from the COALESCCE partners
Poor interest in the community energy project by students and citizens	Low	The foreseen dedicated awareness and information campaign will be redesigned by the experts involved
Realization of poor quality guidelines on community energy	Low	The draft guidelines will be regularly submitted to the MA and stakeholders before agreeing the final version. Eventually, they will be redesigned.

ACTION 2 - Implementation of a new community energy project at the University “G. D’Annunzio “ of Chieti-Pescara

titled FUOCO (First University Opportunity of Community pOwer)

1. The background

The good practices learnt from COALESCCE partners which have constituted the basis for the development of action no. 2 are:

- the Oldham Community Power, UK: RES installations in public buildings which are owned and run by the people and community; the money raised by generating energy that returns to investors and supporting local projects;
- the Bioenergy villages developed in Stuttgart, Germany: Use of local energy sources; involvement of regional companies for construction purposes and maintenance; involvement of community
- the Solarbundesliga, Germany: volunteer funding; competition aimed to the improvement and increase of RE installations

2. Action

Action 2 relates the establishment of a community energy at the campus of the University 'G. d'Annunzio' of Chieti-Pescara (Ud'A), with the objective of producing onsite heat and electricity using renewable energy technologies and improving the energy efficiency of the buildings. The final goal in the medium to long term is to reach energy self-sufficiency. Ud'A is a public institution that was founded in 1965. The University is based on the Adriatic coast in central Italy with a main Campus in Chieti (15 kilometres from the seaside) and a small campus in Pescara close to the sea. Ud'A is located in Abruzzo Region, which is also called the "green region" with one third of its surface covered by 3 national parks, one regional park and 38 protected areas: oasis, regional and state reserves. Ud'A includes 13 Departments and 2 Schools and has an enrolment of over 27,000 undergraduates, graduate, and professional students. The staff includes more than 620 faculties with permanent position (professor, associate and assistant professor), more than 140 post-doc, more than 330 administrative and technicians with permanent position. Ud'A, including both campuses, covers 224,000 m2 divided in about 98,000 m2 of buildings, about 99,000 m2 of greenfield and vegetation and 27,000 m2 are parking. Ud'A is part of the National Network of the Sustainability Universities (RUS). Among the main objectives of the RUS there is the promotion of the sustainable development goals (SDGs) and the contribution to their achievement. The RUS is structured in six working groups, including two focused on energy and climate change. The main goals of the energy working group are: to improve the energy efficiency of the Universities buildings and the recycling, establish educational activities and seminars focused on the process toward renewable energies.

This is an important action for Abruzzo Region since it will have the opportunity to implement a model that can be replicated in the territory. Moreover it will support the establishment of community energies in all the four Universities of the Abruzzo Region, pioneering in Italy the transition to this form of energy management for the 20 Italian regions and the 86 Italian public universities. Indeed, involving citizens in the generation of renewable energy will increase social acceptance and thus enable the low carbon energy transition. Last but not least, this project will allow the university community to harness local resources, to build social capital, to increase employment opportunities at the regional level, to get aware, trained and informed on energy efficiency saving, renewable and climate change issues.

The activities will be implemented through the following actions:

Action 2.1: Survey of the campus population and information through the organization of seminars and exploiting of different platforms to raise awareness about climate change, renewable energies, energy efficiency strategies, reduction of energy wasting and the community energy phenomena in Europe, including at this purpose the COALESCCE projects results and good practices.

Action 2.2: Launch of the Ud'A community energy project which foresees activities of raising awareness of community and setting up of the community itself.

Concerning the first sub-action, since the project beginning, experts of the university and the Abruzzo Region will organize meetings at schools which have been beneficiaries of the ERDF ROP 2014-2020 energy efficiency funding in order to spread on real time information on the project ongoing and hopefully identifying new projects to be implemented at the schools themselves. This will be done throughout the whole project development.

The launch of the community energy will be encouraged through the volunteer gathering of funds from University employees and students who will be directly involved in different aspect of the community, such as the participation in the identification of the energy measures, selection of the best companies to carry out the works, maintenance of the

systems, monitoring of the impacts of the projects, etc... The activity includes also the organization of crowdfunding events open to the University members and private citizens also with the scope to create a "community feeling"; promotion of this initiative (through social, websites, etc...). Being part of the Ud'A Community Power will not mean only to finance the project, but (and especially) to be part of it: students and experts of the University of Chieti-Pescara will be directly involved in different aspects of the community. The main involvement will include the participation in the identification of the energy measures, selection of the best companies to carry out the works, maintenance of the systems, investigation of the potential contribution through development of start-up and spin-off, monitoring of the impacts of the projects (analysing the energetic status pre and post interventions).

The support of the staff of Oldham Council is alienable. To benefit of the experience of the Oldham Community we will organize regular Skype conferences with people of that community to exchange experiences and to have inputs and suggestions that can be useful for the development of the local community energy. The travel and accommodation expenses of colleagues from the Council and Oldham Community Power to visit and meet the Region and University colleagues, as well as to monitor the implementation of the project, will be supported.

Action 2.3: Analysis of the energetic situation of the University campus: The third step will be dedicated to inspect all the buildings of the Ud'A campus to figure out the energy consumption and possible issues in terms of energy efficiency. Another activity will be the analysis of the present systems for heating and cooling. At the end of these actions a detailed picture of the Campus buildings in terms of energy consumption and efficiency will be available. During this activity, faculty, researchers and students of the Ud'A Community Power will be a preeminent part of the committee that will inspect the energy consumptions and efficiency of all the Ud'A campus buildings.

Action 2.4: Identification of the energy efficiency measures to be applied The following activity will be focused on the identification of the measures to be applied to improve the energy efficiency of the buildings. Another objective of this action is to identify the renewable energy systems to be applied that are more affordable and efficient for the Campus, taking in to account the energetic analysis, the structures available and the climate of the site. During this stage, experts and students of the Ud'A Community Power will be leading part of the committee that will identify both the measures to adopt for the improvement of the energy efficiency and the plant based on renewable energy production, to be installed at the Ud'A Campus. The second phase of this action regards the identification of the funds for the development and set up of all the measures identified in the first part of the present action. Part of the funds for the realization of the project will be the volunteer donation of the Ud'A Community Power members.

Action 2.5: Implementation of the energy measures and neighbouring involvement. After the implementation of the energy measures identified in action 2.4, open seminars, demo activities at the campus and a final event will be organized with the aim to involves citizens leaving nearby the campus. This is because the campus has the availability of flat roofs for about 90000m2 which could be used for community energy purpose.

The **monitoring methodology** foresees:

- setting up of a team of engineers, architects, physicists of Ud'A and members of the Ud'A Community Power (technical committee) in the assessment of the new energy situation in terms of energy requirements, onsite energy production, acquisition of external energy to have a global picture of the energy budget of the campus;
- setting up of a committee coordinated by the Region and made up by the coordinator of the technical team, stakeholders and representatives of regional community energy initiatives;
- at least 1 meeting per year to check the progress of the action plan;
- realization of a report after each meeting.

3. Partners involved

The University 'G. d'Annunzio' of Chieti-Pescara for the implementation of all actions since they will be developed and implemented in the campus of the University using its infrastructures, the campus buildings for all the studies and activities and the University population to establish the Community Power.

The Abruzzo Region for the coordination of all actions and the transfer of information to the regional schools funded within the ERDF ROP 2014-2020. Abruzzo Region staff will be directly involved in the organization of meetings and seminars for the community establishment and to transfer information of the project, since their experiences and the good practice learned during COALESCCE are central for a successful establishment of the University community power.

The stakeholders involved as members of the technical committee for monitoring purpose are: the National agency for the new technologies and energy (ENEA), the regional agency for the environmental protection (ARTA), the association of young entrepreneurs, the association of environmental interest (Legambiente), the company for regional public

transportation (TUA).

4. Timeframe

Actions 2.1-2.2 from July 2019 to December 2019

Actions 2.3 from January 2020 to June 2020

Actions 2.4 from July 2020 to December 2020

Actions 2.5 from January 2021 to July 2021

5. **Estimated costs:** The estimated costs of the projects amount to € 68,950.00, which will be shared between the Abruzzo Region and the University. In particular, euro 30,600.00 will be granted by the Abruzzo Region and euro 38,350.00 by the University. The amount includes:

- staff costs: experts and students of the University and the Abruzzo Region for the organization of meetings and seminars, the transfer of information of the COALESCCE project, the realization of the survey and the analysis of the energetic situation of the campus;
- office and administration costs, both for the region and the University;
- travel: travel and accommodation expenses of experts from Oldham Council both for the Region and the University;
- external expertise and service: involvement of external experts for the implementation of the project, costs for organization of events, printing of leaflet and promotional documents (Abruzzo Region).

Here it is the total budget breakdown:

Partner	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Total partner budget
Abruzzo Region	€ 14.000,00	€ 2.100,00	€ 5.000,00	€ 9.500,00	€ 30.600,00
University 'G. d'Annunzio' of Chieti-Pescara	€ 29.000,00	€ 4.350,00	€ 5.000,00	€ 0,00	€ 38.350,00
Total	€ 43.000,00	€ 6.450,00	€ 10.000,00	€ 9.500,00	€ 68.950,00

6. Funding sources

Ud'A will contribute with direct funds that are already in the University budget to support parts of the planned activities. Besides direct funds Ud'A will allocate staff hours to the project. Part of the funds will be from the volunteer donation of the Ud'A Community Power members.

Abruzzo Region will support the project with regional budget and staff. It will seek the opportunity to fund the project with the ERDF ROP 2021-2027.

7. Risks and mitigation actions

Identified risk	Probability	Risk mitigation - action
Poor gathering of funds (volunteer and crowdfunding)	Medium	To hold a very well organized information and awareness campaign on the opportunities and challenges related to the community energy project.

			This campaign will be eventually redesigned
	Design poor quality projects for implementation of energy efficiency measures and RES use	Low	An ad hoc monitoring methodology has been foreseen which foresees the active involvement of experts/committee in all activities. This will allow to eventually redesign the foreseen projects.

ACTION 3 - Update of the regional energy plan into regional energy and climate plan including community energy initiatives.

1. The background

Action 3 mainly comes from the recommendations of the COALESCCE peer review team further to the peer review held in Pescara, Italy on 12-16 February 2018. It has been inspired by all best practices identified within the project since they show the need to include the community energy in the regional plans and policies.

2. Action

3.1 Identification of the subject actuator of the update of the plan. It will be an external body (e.g. a university, a research center or a national association) selected through the needed procedures;

3.2 Analysis and mapping of the regional plans, programs, initiatives, companies, etc... on energy and climate change in line with the EU and national Directives;

3.3 Identification of the contents and layout of the integrated energy and climate regional plan including energy community initiatives;

3.4 Gathering of data needed and identification of pilot actions to be implemented;

3.5 Realization of the plan based on the abovementioned information.

The **monitoring methodology** foresees:

- setting up of a team of experts for the realization of the plan (technical team);
- setting up of a committee coordinated by the Region and made up by: the coordinator of the technical team; the intersectoral regional committee made up by representatives of all regional departments, the regional agency for environmental protection - ARTA - and ENEA which has already been set up for working at the regional strategy on adaptation to climate change (PACC); stakeholders and representatives of regional community energy initiatives;
- at least 1 meeting per year to check the progress of the action plan;
- realization of a report after each meeting.

3. Partners involved

Regional Universities/research centers/national associations for the realization of the plan (gathering of data, identification of actions to be undertaken, etc...) depending on the selection of the subject who will realize it based on the needed procedures.

Abruzzo Region for the coordination and monitoring of actions. Experts of the Abruzzo Region will be also involved in the gathering of data and identification of pilot actions.

4. Timeframe

Action 1 from July to November 2019
Actions 2-4 from November 2019 to November 2020
Action 5 from June 2019 to June 2021

5. Estimated costs: € 70.000,00. This amount includes the cost of the regional staff supporting the selected experts in the realization of the plan as well as the external expertise and service for the realization of the document itself.

6. Funding sources

Regional funding; staff funding.

7. Risks and mitigation actions

Identified risk	Probability	Risk mitigation - action
Difficulties in gathering the climate change data on regional level (impact and vulnerability, risk assessment, etc...)	Medium	The involvement of regional committee for PACC, experts and stakeholders guarantees the gathering of needed information. If regional data are not available, experts will engage with national bodies.

Giunta Regionale d' Abruzzo

Pescara, 17/10/2019

Iris Flacco

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Abruzzo Region



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Abruzzo Region

