



4ward Energy Research GmbH
Reininghausstrasse 13A
8020 Graz
AUSTRIA
Tel: +43 (0)664/88500339
office@4wardenergy.at
www.4wardenergy.at

Invitation to tender within the framework of the Interreg ALPINE SPACE project "DiverseE" (Integration of biodiversity conservation within bioenergy production for a low-carbon energy mix in the Alpine region; ASP0500481)

Graz, 14/10/2024

Invitation to bid:

For the joint implementation of the Interreg ALPINE SPACE project "DiverseE" (Integration of biodiversity conservation within bioenergy production for a low-carbon energy mix in the Alpine region; ASP0500481) within the remaining project duration (project end: 2027-08-31).

Project description

DIVERSE will address the conflicts between bioenergy production & biodiversity conservation by investigating under which conditions biomass can be a suitable energy opportunity for the Alps. This challenge particularly concerns regional/local authorities & energy actors from the Alpine Space (AS) who have to meet the binding targets of the Renewable Energy Directive (REDIII) and protect a fragile & unique ecosystem. To date, little effort has been made by individual regions to fully integrate EU biodiversity criteria into policies and practices supporting the bioeconomy. To change this, cooperation is essential to create an Alpine framework with local nuances, capable of delivering a unified approach to bioenergy sustainability. Therefore, DIVERSE will work with organisations with complementary expertise, setting the scene for the implementation of sustainable & biodiversity compatible bioenergy pathways in the AS. The project aims to strengthen the energy diversification approach by integrating biomass with sustainability and biodiversity criteria. To achieve this, the project partners (PPs) will rely on an open dialogue approach to support a holistic perspective, starting from local energy sources availability and final uses, to sustainable value creation. An Open Dialogue Toolkit will guide the establishment of a transnational pilot focusing on two key Alpine bioenergy & residue-based value chains, by activating Focus Labs in PPs' regions. The joint work will provide Alpine Trajectories for sustainable & biodiversity-positive bioenergy routes. As a result, PPs will join efforts to update energy plans or strategies, management practices and bioenergy business models through the bottom-up integration of nature conservation concepts. During the 3-year

cooperation, DIVERSE will contribute to accelerating the transition to a low-carbon energy mix in the AS, strengthening the role that sustainable bioenergy can play for energy sufficiency and net-zero emissions.

Project objectives and results:

DIVERSE will accelerate the transition to a low-carbon energy source mix in the Alpine areas where forest, agricultural & agri-food residues are available, by strengthening the role that sustainable bioenergy can play in energy sufficiency & net-zero emissions. It will advance the energy diversification approach through the integration of biomass coupled with biodiversity protection criteria and support energy actors in the valorisation of sustainable & biodiversity-positive bioenergy pathways.

Work packages (see attachment for details):

1. Work package 1: An open dialogue for bioenergy & biodiversity
2. Work package 2: A trial for biodiversity-friendly bioenergy
3. Work package 3: Alpine Trajectories for integrated bioenergy
4. Project management (M)

Project partners within the project DIVERSE:

1. Research on the Energy System (IT)
2. Piemonte Region (IT)
3. Venetian agency for innovation in the primary sector - Veneto Agricoltura (IT)
4. Lombardy Green Chemistry Association (IT)
5. Public Institution Ljubljansko barje Nature park (SI)
6. Regional Development Agency of the Ljubljana UrbanRegion (SI)
7. Regional Union of the Communes forestières Auvergne-Rhône-Alpes (FR)
8. 4ward Energy Research Ltd. (AT)
9. Landshut University of Applied Sciences (DE)
10. Italian-German Chamber of Commerce (DE)
11. Local Energy Agency – LEA GmbH (AT)
12. University of Graz (AT)

Mandatory requirement profile of the participating organizations in the tender:

- Very good knowledge of the biomass and energy system of Styria and Austria for the achievement of the results.
- Personal access to local stakeholders, actors and political creators
- Very good English and German skills.
- Experience in the implementation of biomass and energy related pilots
- Experience in project management, in the organization of events, in moderation of working meetings, as well as in the processing of EU projects



Further modalities:

Deadline for tendering:

31st of October 2024

Form of the offer:

PDF with signature and stamp

Offer is sent to the following e-mail address:

office@4wardenergy.at

Period of validity of the tender:

14th of November 2024

Billing:

By appointment.

Period of performance:

November 2024 – August 2027

Selection criteria:

Lowest price, if the investigation of the proof of ability as well as the eligibility and the qualification are positive **(there is no renegotiation!)**.

Amount of the offer:

as a flat rate without VAT

Call for tenders / external support / overall description of the support work:

WP & Activity	Estimated workinghours
WP1: An open dialogue for bioenergy & biodiversity	399
A1.1: Activate Focus Labs in DIVERSE regions to gather challenges & opportunities related to bioenergy & biodiversity	26
A1.2: Analyse key regional bioenergy value-chains and outline shared sustainability and biodiversity indicators for value-chains improvement.	125
A1.3: Outline a capacity building protocol to foster an open dialogue between bioenergy and biodiversity sectors	93
A1.4: Promote the findings of the analyses on regional bioenergy value-chains to Focus Labs and general public to set up DIVERSE open dialogue on bioenergy & biodiversity trade-offs/potential win wins.	155
WP2: A trial for biodiversity-friendly bioenergy	459
A2.1: Co-design DIVERSE transnational pilot on the open dialogue approach	139
A2.2: Test the DIVERSE open dialogue approach in integration of sustainable & biodiversity-positive measures in regional bioenergy value-chains.	99
A2.3: Evaluate and co-validate DIVERSE pilot results through knowledge-bridging sessions.	33
A2.4: Formulate a joint solution for the promotion of sustainable & biodiversity-positive bioenergy pathways in Alpine regions.	188
WP3: Capitalisation and ecosystem development	776
A3.1: Co-design the Alpine Trajectories for the valorisation of sustainable and biodiversity positive bioenergy pathways	230
A3.2: Foster the uptake of the Alpine Trajectories by PPs' organisations	187
A3.3: Integrate DIVERSE open dialogue approach in PPs' work	161
A3.4: Mainstream and roll-out DIVERSE outcomes	122
A3.5 Disseminate DIVERSE results at transnational level	76
WP PM: PROJECT MANAGEMENT	286
General (inkl. FLC & and Costs for Projekt meetings and Pilot visits)	286
Total	1 920

Further project information is given in the attachment as an extraction of the application form (without any costs).



The contractor will support the contracting body within all activities to achieve the project specific outputs and objectives as well as to address all target groups as described in the attachment.

It is expected that the total working load will be 240 working days or 1.920 working hours.

All travel costs should be included in the total price.

Please insert in the following table the total price excl. VAT:

Total Price:	
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Note: Cost-neutral shifts of the support between the performance positions and periods as well as concerning deadlines are possible in agreement between the contractor and the client.

Information of the company offering the tender

Company name:

Address:

Contact person:

Phone number:

E-mail:

Offer number:

Description of suitability, qualification and experience (at least 3 references or use appendix):

Place, Date

Name, Function, Stamp, Signature



Questions and additions:

Please send any questions regarding the invitation to the offer by e-mail to Alois Kraussler (alois.kraussler@4wardenergy.at).

We are looking forward to your offers!

Best regards

Managing Director

Martin Schloffer

Managing Director

Alois Kraussler



ASP0500481

DIVERSE

Application Form Export

Downloaded on 16.07.2024, 10:24 GMT+2

Version 3.0

Form language: EN

Input language: EN

Currency: EUR

A - Project identification

A.1 Project identification

Project ID	ASP0500481
Name of the lead partner organisation	Ricerca sul Sistema Energetico S.p.A.
Name of the lead partner organisation in English	Research on the Energy System
Project title	Integration of bioDIVERSity conservation within bioEnergy production for a low-carbon energy mix in the Alpine region.
Project acronym	DIVERSE
Programme priority	Carbon neutral and resource sensitive Alpine region
Specific objective	SO 2.1: Promoting energy efficiency and reducing greenhouse gas emissions
Project duration in months	36

A.2 Project summary

Please give a short and concise overview of the project and describe:

- the common challenge of the alpine area you are jointly tackling in your project; and why there is a need for the project;
- the overall objective of the project and how it will contribute to the programme specific objective;
- the expected change your project will make to the current situation;
- the outputs you will produce and those who will benefit from them, also after the end of the project;
- the added value of the transnational approach: why must the challenge be tackled at transnational level?
- What is new/original about the project?

Important: Please insert a rough estimation on the total project budget (detailed financial plan to be provided in step 2 only).

Please answer all different aspects mentioned above.

This summary delivers the first presentation/impression of the project. In case the project is approved, this summary will also be used by the programme for communication purposes. Therefore make sure the text will be understandable by a non-expert public and will be both informative and appealing. It is recommended to write or adapt the project summary once all AF sections are filled in.

DIVERSE will address the conflicts between bioenergy production & biodiversity conservation by investigating under which conditions biomass can be a suitable energy opportunity for the Alps. This challenge particularly concerns regional/local authorities & energy actors from the Alpine Space (AS) who have to meet the binding targets of the Renewable Energy Directive (REDIII) and protect a fragile & unique ecosystem. To date, little effort has been made by individual regions to fully integrate EU biodiversity criteria into policies and practices supporting the bioeconomy. To change this, cooperation is essential to create an Alpine framework with local nuances, capable of delivering a unified approach to bioenergy sustainability. Therefore, DIVERSE will work with organisations with complementary expertise, setting the scene for the implementation of sustainable & biodiversity compatible bioenergy pathways in the AS. The project aims to strengthen the energy diversification approach by integrating biomass with sustainability and biodiversity criteria. To achieve this, the project partners (PPs) will rely on an open dialogue approach to support a holistic perspective, starting from local energy sources availability and final uses, to sustainable value creation. An Open Dialogue Toolkit will guide the establishment of a transnational pilot focusing on two key Alpine bioenergy & residue-based value chains, by activating Focus Labs in PPs' regions. The joint work will provide Alpine Trajectories for sustainable & biodiversity-positive bioenergy routes. As a result, PPs will join efforts to update energy plans or strategies, management practices and bioenergy business models through the bottom-up integration of nature conservation concepts. During the 3-year cooperation, DIVERSE will contribute to accelerating the transition to a low-carbon energy mix in the AS, strengthening the role that sustainable bioenergy can play for energy sufficiency and net-zero emissions.

A.4 Project outputs and result overview

Programme Output Indicator	Aggregated value per Programme output indicator	Measurement Unit	Output	Output Title	Output target value	Programme result indicator	Baseline	Result indicator target value	Measurement unit
Pilot actions developed jointly and implemented in projects	1,00	pilot actions	Output 2.1	DIVERSE pilot: a path towards sustainable & biodiversity-positive bioenergy routes in the Alpine Space	1,00				
Jointly developed solutions	1,00	solutions	Output 3.1	Alpine Trajectories for sustainable & biodiversity-positive energy routes	1,00				
Other	1,00		Output 1.1	DIVERSE Open Dialogue Toolkit	1,00				
						Other	0,00	1,00	
						Solutions taken		1,00	soluti

Programme Output Indicator	Aggregated value per Programme output indicator	Measurement Unit	Output	Output Title	Output target value	Programme result indicator	Baseline	Result indicator target value	Measurement unit
						up or up-scaled by organisations	0,00		ons

B - Project partners

Partners overview

Number	Status	Name of the organisation in english	Country	Organisation abbreviation	Partner role	Partner total eligible budget
1	Active	Research on the Energy System	Italia (IT)	RSE	LP	
2	Active	Piemonte Region	Italia (IT)	PIEMONTE	PP	
3	Active	Venetian agency for innovation in the primary sector - Veneto Agricoltura	Italia (IT)	AVISP	PP	
4	Active	Lombardy Green Chemistry Association	Italia (IT)	LGCA	PP	
5	Active	Public Institution Ljubljansko barje Nature park	Slovenija (SI)	JZ KPLB	PP	
6	Active	Regional Development Agency of the Ljubljana Urban Region	Slovenija (SI)	RRA LUR	PP	
7	Active	Regional Union of the Communes forestières Auvergne-Rhône-Alpes	France (FR)	COFOR	PP	
8	Active	4ward Energy Research Ltd.	Österreich (AT)	4ER	PP	
9	Active	Landshut University of Applied Sciences	Deutschland (DE)	TZE	PP	
10	Active	Italian-German Chamber of Commerce	Deutschland (DE)	ITALCAM	PP	

Number	Status	Name of the organisation in english	Country	Organisation abbreviation	Partner role	Partner total eligible budget
11	Active	Local Energy Agency – LEA GmbH	Österreich (AT)	LEA	PP	
12	Active	University of Graz	Österreich (AT)	Uni. Graz	PP	

C - Project description

C.1 Project overall objective

Below, you can see the Programme priority specific objective your project will contribute to (chosen in section A.1.).

SO 2.1: Promoting energy efficiency and reducing greenhouse gas emissions

Project overall objective

Now think about your main objective - what do you aim to achieve by the end of your project? Remember your project needs to contribute to the programme's objective.

Your objective should:

- be realistic and achievable by the end of the project, or shortly after;
- specify who needs project results and in which territory;
- be measurable - indicate the change you are aiming for.

Make sure to provide a clear, concise description of the project overall objective. Explain its contribution to the Programme priority specific objective you have selected in the section A.1.

DIVERSE will accelerate the transition to a low-carbon energy source mix in the Alpine areas where forest, agricultural & agri-food residues are available, by strengthening the role that sustainable bioenergy can play in energy sufficiency & net-zero emissions. It will advance the energy diversification approach through the integration of biomass coupled with biodiversity protection criteria and support energy actors in the valorisation of sustainable & biodiversity-positive bioenergy pathways.

C.2 Project relevance and context

C.2.1 What are the common territorial challenges and/or joint assets that will be tackled by the project?

Please describe the need for and relevance of the project for the alpine area in terms of common challenges and/or opportunities addressed. Be precise and focus on the specific issues tackled by your project.

Although biomass covers a significant share of the renewable energy demand in the EUSALP area, concerns have always been raised about its sustainability trade-offs in terms of impacts on local ecosystems, GHG emissions and market displacement effects. Under the EU Green Deal and "Fit for 55" package, national energy strategies and regional action plans include biomass and bioenergy as an essential tool to achieve net-zero emissions, since biomass offers a unique opportunity to produce energy from waste & residues, thus supporting the flexibility of renewable energy systems. However, bioenergy is often seen as either "good" or "bad" for the environment, without bringing any nuance. As a result, decision makers remain uncertain about how to use bioenergy and on what criteria to base their decisions. This prevents an optimal diversification of Renewable Energy Sources (RES) to protect the energy resilience & sufficiency of the Alps and hampers the efforts to achieve the EU decarbonization goals. At the same time, the fragile ecosystems of the Alps and the recent energy crisis force us to rethink the energy production model in order to ensure a sustainable use of local, indigenous resources. In this context, DIVERSE will address the conflicts between bioenergy production & biodiversity conservation by investigating under which conditions biomass can constitute a suitable energy opportunity and an important component of the self-sufficient energy mix for the Alps.

C.2.2 How does the project tackle identified common challenges and/or opportunities and what is new about the approach the project takes?

Please describe innovative solutions that will be developed during the project and/or existing solutions that will be adapted and implemented in the project lifetime. In addition, please describe in what way the approach goes beyond existing practices in the sector/programme area/participating countries. Please sketch out the main activities, which shall lead to your project result.

Several EU initiatives have tackled the sustainability trade-offs related to using biomass, but the discussion has become divisive, particularly in areas like the Alps with unique & delicate ecosystems. The DIVERSE project will address cross-sectoral policy frameworks to achieve a mutually beneficial outcome considering both climate & biodiversity aims. The project will provide a broader overview of the area's biomass resources, weaknesses for usage and sustainable value creation. Contact was made with members & leaders of EUSALP AGs 2/9/6 to arrange and structure an open dialogue with key figures in the bioenergy & biodiversity fields, from regional/local community leaders to value chain actors and Energy Communities (ECs). This debate will benefit from perspectives of environmental and biodiversity professionals who will help evaluate significant bioenergy value chains in the area. Based on the sustainability criteria specified by the Renewable Energy Directive (REDII/III) for agriculture residues & forest biomass, DIVERSE PPs will identify and adopt sustainability & biodiversity indicators to setup a transnational pilot, leading to the definition of shared Alpine Trajectories. This solution will guide the valorisation of life-sustaining bioenergy pathways in the Alpine area and beyond. The project aims to address policy integration, agro-ecology, forestry, residues management practices, and the creation of circular business models for bioenergy value-chains & Alpine ECs.

C.2.3 Why is transnational cooperation needed to achieve the project objectives and results?

Please explain why the project objectives cannot be efficiently reached acting only on a national/regional /local level or cross-border. Describe what benefits the project partners/target groups/project area /programme area gain in taking a transnational approach. Transnational cooperation should exceed the mere exchange of experiences and should enable joint development of solutions and implementation.

A transnational context is crucial to promote a balanced debate upon bioenergy production & nature protection, both strictly linked to the fragile Alpine ecosystem. Single nations/regions have often addressed these topics separately, with little efforts to incorporate RED sustainability and biodiversity criteria into policies supporting the bioeconomy. The production and use of local renewable energy while preserving natural resources in the Alpine Region calls for a unanimous approach enriched with local nuances, with the capacity to contribute to AS climate & biodiversity targets. The assessment of local biomass potentials, energy mix needs & the responsible management of natural assets require complementarity of actors, also from a geographical perspective, as bioenergy value chains are diverse & complex. This setting will bring important benefits to the target groups, structuring a bottom-up approach towards a more evidence-based & integrated dialogue on bioenergy.

C.2.4 Who will benefit from your project outputs?

In the first column of each row, please select one of the pre-defined target groups from the drop-down list. In the second column please explain shortly who will benefit from your project and inform about your direct target groups. Each type of the target group can only be listed once, except for "Other".

Target Group	Specification
National public authority	State Ministries, as to ensure alignment & contribution to national strategies /policies, i.e.: Ministry of Agriculture, Ministry of Environment and Energy Security, Federparchi (IT); Federal Ministry for Climate Action, Environment, Energy (AT); Ministry of Agriculture, Forestry and Food, Min. for Infrastructure, Min. of the Environment, Climate and Energy, Energy Directorate, ARSO- Slovenian Environment Agency (SI); Bavarian Ministry for Economic Affairs, Regional Development and Energy (DE).
Regional public authority	Regional authorities responsible for energy & environmental policies /strategies, i.e.: Lombardy Region - DG Agriculture, DG Environment and Climate, Forestry Regional Dep. of Piemonte, Nature Parks Regional Dep. of Piemonte, Piemonte Regional Parks, Veneto Region (IT); Regional government of Styria, Steirisches Vulkanland - LEADER Regio (AT); Vercors Regional Nature Park, Auvergne-Rhône-Alpes Regional Directorate of Food, Agriculture and Forestry (FR).
Local public authority	Municipalities implementing both energy transition & nature protection measures, i.e.: Milan Municipality, Union of Mountain Municipalities of Piemonte - UNCEM (IT); forest municipalities associated to COFOR (FR); 25 municipalities of the Ljubljana Urban region (SI); Municipality of Ruhstorf, Association of 11 municipalities "ILE-Integrated Rural Development ("ILE") Rott and Inn (DE); Graz, Municipality of Feldbach & neighbouring towns like Kirchberg an der Raab, etc. (AT); Alpine Pearls.

Target Group	Specification
Higher education and research organisations	University & research centres dealing with bioenergy & biodiversity topics, i. e.: University of Milan, ENEA, University of Torino - Faculty of Forestry Science & Faculty of Biology, Polytechnics of Torino - Energy Department (IT); Technical University of Graz – Institute of Thermal Engineering (AT); INRAE, IGN, ONF (FR); Centre for Energy Efficiency, KIS, University of Ljubljana, Faculty for Mechanical Engineering & Biotechnical Faculty (SI); Bavarian State Institute for Agriculture (DE).
Business support organisation	Chamber of Commerce of Milan, Piemonte Chambers of Commerce, Coldiretti Piemonte, Coldiretti Lombardia, CIA, Confagricoltura, Italian Biogas Consortium (IT); Waldverband (“Wood Association”), GreenTech Valley Cluster Styria, Chamber of Agriculture in Styria (AT); Chamber of Commerce and Industry Slovenia (SI).
Sectoral agency	Regional/local agencies supporting the implementation of ECs, and dealing with energy production & emissions, i.e.: AMAT, ARPA Lombardia, ARPA Piemonte, ARPA Veneto (IT); Energy Agency of Styria (AT); French Agency for Ecological Transition (FR).
Infrastructure and (public) service provider	Grid operators of district heating, electricity (ECs) or gas grids, i.e.: Fernwärme Weiz (AT); VOKA – SNAGA (SI).
SME	Actors of bioenergy supply chains, i.e.: SMEs in LGCA network, Cooperative “La Foresta”, agro-food enterprises in Veneto Region (IT); Stift Vorau (AT); SMEs working in the wood chip supply chain in the Auvergne-Rhône-Alpes region (FR); farmers included in the Agricultural-Environmental-Climate Payments Measure in Central Slovenia, agricultural cooperatives KZ Podpeč & KZ Ig, land managers in Nature park Ljubljansko barje (SI).
Interest groups including NGOs	ECs & associations dealing with bioenergy promotion, enhancement and biodiversity protection, i.e.: ItaliaNostra, Legambiente Lombardia, Legambiente Piemonte, ProNatura, LIPU, CIPRA (IT); AURAE, Sylv’acces, National Centre for Forest Property (FR); DOPPS-Birdlife Slovenia, Plan B for Slovenia (SI); Biomass district heating systems of Unterlamm, Hatzendorf, Söchau, Kornberg Bergl (AT); FnBB - promotion of sustainable biogas & bioenergy use, BUND Nature Conservation in Bavaria (DE).
General public	Citizens’ associations of DIVERSE regions, involved in nature conservation initiative, e.g. Holzwelt Murau - Austrian Climate and Energy Model Regions (Klima- und Energiemodellregionen) in Styria (AT).
Enterprise, except SME	Enterprises of bioenergy value-chains, i.e.: IREN, COMAT, Edison, ACEA Pinerolese, Envipark (IT).
International organisation, EEIG	European organisations dealing with bioenergy & biodiversity topics, i.e. SET PLAN IWG8- Biomass, IEA Bioenergy, EUSALP AG2, AG6 and AG9, IPBES national focal points, EU DG ENER & ENV.

C.2.5 How does the project contribute to wider strategies and policies?

Please indicate if your project contributes to EUSALP, the EU Green Deal, the Territorial Agenda 2030 or any other relevant strategy(ies) (e.g. implementation of the Alpine Convention) by ticking the respective box. Then, please further specify and explain in what way you will contribute. Your project should contribute at least to one strategy but can also contribute to more than one strategy.

Please make sure to describe the contribution to EUSALP in a clear and concrete manner (what is the contribution your project will make and how will it be made?). The contribution to EUSALP may not only be included in this section, but along the AF in all relevant sections and should be reflected in the work plan with clear descriptions of concrete activities.

The contribution to EUSALP may not only be included in this section, but along the AF in all relevant sections and should be reflected in the work plan with clear descriptions of concrete activities. Please consult the EUSALP website (www.alpine-region.eu), its policy recommendations, the cross-cutting priorities as well as the work plans of Actions Groups to get a clear picture of possible synergies and the contribution your project could make to EUSALP.

Strategy	Contribution
EU Strategy for the Alpine Region	DIVERSE contributes to the objectives of AG9/6/2 by demonstrating the important role that locally sourced biomass can play in the self-sufficiency of Alpine communities, but only if provided under the right conditions, in order to ensure ecosystem protection. On behalf of the Partnership, RSE has already established direct contact with the AGs, gathering feedback & aligning with their most recent work plans & interests. The project is also linked to AG7 & their biodiversity restoration goal.
European Green Deal	Biomass can play a key role in both the EU Green Deal and the RepowerEU initiative, and with this project contributes to a sustainable energy transition, emission reduction and climate neutrality goals. It can also generate positive externalities in terms of circular economy from agriculture, forestry and waste reuse, regional development and job creation, industrial resource conversion, local involvement in production and resource management, and social equity.
Territorial Agenda 2030	DIVERSE contributes to a Green Europe through its pilot initiative (open dialogue & Focus Labs) involving regional/local policy makers and actors of key bioenergy value chains to develop circular economy business models and key recommendations. These will draw on local resources and innovation capacity and combine energy and just transition processes for a territorial circular economy and sustainable energy use.
Other	DIVERSE contributes to the Alpine Convention's priorities for climate action: energy, agriculture, forests and Alpine biodiversity. In particular, with regard to energy, the project will implement a coordinated approach to direct the development of bioenergy to locations with high potential (waste and residues) and to ensure that environmental and social trade-offs are carefully considered, also thanks to the establishment of scalable & circular business models for energy communities.

Strategy	Contribution
Other	DIVERSE contributes mainly to Goals 7 and 15 of the 2030 Agenda for Sustainable Development, which works on the development of measures to ensure access to reliable and sustainable energy and the sustainable use of terrestrial ecosystems, while halting biodiversity loss and land degradation. It also contributes to Goal 17, as the project consortium will activate multi-stakeholder and transnational cooperation to support effective capacity building in the bioenergy and biodiversity sectors.
Other	DIVERSE addresses the debate between bioenergy production & nature conservation through an open dialogue approach and the identification of solutions for integrating biodiversity concepts into bioenergy value chains and policy frameworks at regional/local or national level. In doing so, the project contributes to the objectives and implements the actions defined in the 2030 Biodiversity Strategy to improve biodiversity policy and integration on the ground in the renewable energy sector.
Other	Within the REPowerEU Plan, Member States are asked to map, assess and secure suitable land areas available for renewable energy projects in line with their national energy and climate plans. DIVERSE will contribute to the identification & valorisation of bioenergy supply chains that ensure community self-sufficiency while respecting overall sustainability and nature protection needs at local level, contributing to the identification of the so-called Renewable Energy Acceleration Areas in the AS.
Other	REDIII is part of the 'Fit for 55' package and sets out the sustainability criteria for bioenergy production. These criteria will be taken into account in the identification of sustainability & biodiversity indicators guiding DIVERSE pilot implementation, and will support the dialogue on sustainable biomass production through selected value chains that are able to integrate the concepts of nature conservation and biodiversity.
Other	DIVERSE aligns to the objectives of the new EU Circular Economy Action Plan, which aims to make sustainable products & value chains the norm in the EU, also by enhancing waste policy in support of waste prevention and circularity. The project will assess bioenergy value chains based on agri-food residues and waste, and will define practices and policy integration mechanisms to improve their sustainability, also in terms of biodiversity protection & enhancement measures.
Other	The project will capitalise on the work of the S3 Bioenergy Partnership, which is currently formed only by regions outside the Alpine Space. At the start of the project, the PPs will contact the leading regions to identify synergies and areas for joint work, in particular on forest management models and awareness raising. PPs will also participate in selected Energy Partnership events to promote the transfer of project results.

Strategy	Contribution
Other	DIVERSE aligns to the 2030 Lombardy Region Programme for Energy, which foresees a series of policy intervention to enhance bioenergies production (in particular biomethane) while fostering technological improvements & efficiency to reduce environmental impacts. The project contributes to Measure 9 of the Programme, and will support the Actions linked with the enhancement of biomethane & wood-forest-energy value-chains, by introducing biodiversity conservation & landscape management concepts.
Other	The new Energy Plan prepared by Veneto Region points out the constraints in increasing the share of renewables in energy consumption, in particular the difficulties in the enhancement of biomass use due to air quality standards. In this context, DIVERSE work will contribute to trace an evidence-based & integrated framework based on an open dialogue approach, fostering the uptake of policy recommendation & shared path for the sustainable use of local biomass for energy production.
Other	DIVERSE project will advance policy integration between bioenergy & biodiversity conservation aspects. This will support integrated planning in Piemonte Region, where the Air Quality Plan is not aligned with the assumptions defined by the Regional Energy Plan and the huge potential for the sustainable use of wood identified by the Regional Forestry Plan.
Other	The goal of the German National Bioenergy Strategy is to ensure sustainable biomass integration combined with climate and biodiversity protection. DIVERSE addresses exactly those challenges and provides a shared pathway to achieve this goal. The strategy incorporates a stakeholder dialogue, which will be supported on local level through the DIVERSE open dialogue approach.
Other	The DIVERSE project aligns with the objectives of the Integrated National Energy and Climate Plan of Slovenia (NEPN) by promoting sustainable bioenergy production and biodiversity conservation. Its open dialogue approach fosters cross-sectoral policy frameworks, which resonate with NEPN's aim to enhance domestic wood processing and its integration into sustainable practices.
Other	DIVERSE aligns with the Regional Development Programme of the Ljubljana Urban Region 2021 - 2027. The project supports the efficient utilization of local renewable resources like biomass, reducing energy imports and fostering a circular bioeconomy. By promoting inter-sectoral dialogue and sustainable, circular farming models, DIVERSE supports the RRP's objectives towards self-sufficiency, environmental sustainability, and economic growth within the region.
Other	The DIVERSE project aligns with the objectives regarding bioenergy and biodiversity issues of the Integrated National Energy & Climate Plan for Austria, the national Forest Strategy, the Biodiversity Strategy, the Strategy for Adaptation to Climate Change & the Bioeconomy Strategy. It will setup a dialogue and develop recommendations for action that contribute to the further establishment of the bioeconomy in Austria in order to bring about sustainable growth for bioenergy.

Strategy	Contribution
Other	The French National Biomass Mobilization Strategy aims to strengthen the positive externalities linked to the increased use of biomass for climate change mitigation. Among its main objectives, the Strategy aims to optimize the co-benefits of biomass mobilization, preventing potentially negative impacts from an economic, social, environmental perspective. DIVERSE, through its open dialogue & holistic assessment of bioenergy value chains will give concreteness to the Strategy.
Other	The Auvergne-Rhône-Alpes Regional Forest and Wood Program (PRFB) establishes the roadmap for forest policy in the region for the years 2019-2029. PP COFOR contributed to the development of the Program and, through DIVERSE implementation, it will setup an open dialogue with regional actors, to achieve key objectives (1) take into account forests multifunctionality, preserving & valorizing local biodiversity, (2) valorise local wood by creating favorable conditions & optimizing the value chain.

C.2.6 Which synergies with past or current EU and other projects or initiatives will the project make use of?

Project or Initiative	Synergy
EUSALP AG2, 6 & 9 Action Plans	DIVERSE builds on the work of Action Groups 2,6 and 9. The LP established contacts with AG9 & 2 at the earliest stages of proposal development, in order to align with their objectives, gather inputs and feedback. Data from the EUSALP Energy Survey (2017/2019) are an important basis of this proposal. AG9 also decided to join as project observer. First contacts were established with AG6 co-leaders, as well. AGs will be invited to project dedicated sessions in WP1,2 and 3.
INTERREG ALPINE SPACE Alps4GreenC	DIVERSE & Alps4GreenC are carrying out a complementary work on biomass value-chains, although the latter is focusing on biochar production. Project results will be capitalized to understand what practical solutions are available for improving bioenergy routes in terms of sustainability and attention to nature protection. To avoid overlapping & filling in current gaps, RSE has already established contacts with Alps4GreenC LP and first results of the project were discussed to find synergies.
ARPAF FUND REDIAFOR	For the definition of a valid open dialogue toolkit, AG9 suggested DIVERSE partnership to build on the work done by the REDIAFOR project, which was more focused on tackling the conflicts & risks emerging from the multifunctional use of Alpine forests. Based on this, DIVERSE will build on the dialogic approach & SH engagement techniques developed by REDIAFOR, starting from the key lessons learnt of the project.
INTERREG ALPINE SPACE Forest EcoValue	LGCA is a partner in the Forest EcoValue project and will take care of developing adequate synergies with DIVERSE, capitalizing on the experience in the involvement of public & private sectors to improve the economic sustainability of forest ecosystem services on a local scale.

Project or Initiative	Synergy
INTERREG ALPINE SPACE AlpLinkBioEco	The supply chain development methodology devised by the AlpLinkBioEco project will be a tool to support DIVERSE transnational pilot in the definition of scalable circular business models for Alpine Energy Communities, able to connect primary producers, intermediaries, product developers, retailers and end-users in the biomass sector. LGCA, as PP in this past project, will inform DIVERSE PPs on the use of the methodology and on its adaptation to the bioenergy sector.
INTERREG ALPINE SPACE H2MA	4ER and ITALCAM, as PP in H2MA, will build synergies with this on-going project, fostering the exchange of data, best practices & cooperation mechanisms for producing a complementary work, aimed at the enhancement of renewable energy diversification in the Alps and at the integration of nature protection concepts at the early stages of expansion projects.
INTERREG ALPINE SPACE AMETHyST	DIVERSE will build contacts with AMETHyST partners through AG9, as they are conducting complementary work on RES. Although focusing on the deployment of local Alpine green hydrogen ecosystems, the overall objective is aligned with DIVERSE goal: to enhance renewable energy diversification in the Alps, based on territories capacities & resources.
INTERREG ALPINE SPACE IMEAS	IMEAS developed a methodology & practical guidance for creating roadmaps based on multi-level approaches connecting actors from different economic sectors, governance levels, territories and countries. IMEAS created an online platform (imeas.eu) to share tools and experiences to support successful low-carbon energy transition strategies, which can effectively support DIVERSE work for the definition of credible Alpine Trajectories for reaching sufficiency & planning energy diversification.
INTERREG ALPINE SPACE BB-Clean	Similarly to BB-CLEAN work, the project will set up transnational co-design working tables (the Focus Labs) between policy makers, other bioenergy actors, environmental protection and biodiversity experts. It will also take inspiration from their crowdfunding platforms as starting point for the elaboration of ad-hoc protocol to support an open dialogue on bioenergy among key stakeholders.
INTERREG ALPINE SPACE CaSCo	The CaSCo project assessed the impact of low carbon material flows of timber products on the climate, developed and established policy guidelines and provided decision makers with steering instruments to actively trigger climate friendly timber products. The Low Carbon Timber Toolkit and Guide will support DIVERSE analysis of the sustainability trade-offs, criteria and opportunities offered by bioenergy value-chains, especially those based on the use of forest biomass.
INTERREG ALPINE SPACE ECOLE	RRA LUR is WP2 leader in this on-going project, which is focused on solving problems Industrial Parks (IPs) face to become integrated circular Eco- Industrial Parks. RRA LUR will capitalize the cooperative approach established in ECOLE & the experience in setting up transnational pilots on circular economy topics to guide the test and evaluation of DIVERSE open dialogue within WP2. ITALCAM is also PP in this project, supporting stakeholder engagement aspects.

Project or Initiative	Synergy
INTERREG ALPINE SPACE ARDIA-Net	LGCA, who participated in the ARDIA-Net project, will support the capitalization of lessons learned and policy implications analyzed by the project in relation to the socio-economic impacts of bioenergy value chains at the local level. Furthermore, the “Innovation Express” financing program created by ARDIA-Net can support the evaluation of the economic impact of the expansion of SME markets and services in the bioeconomy sector and the role that Energy Communities can play in such a scenario.
INTERREG CENTRAL EUROPE TeBiCE	DIVERSE will complement TeBiCE work in the establishment of sustainable value chains for bio-based products. Although focusing on the use of biomass for energy purposes, this project will make use of TeBiCE market and residual biomass flows analyses to include considerations upon potential displacement effects on the bio-based value-chains and the synergies that can be created with the whole bio-based sector. Synergies with this ongoing project will be ensured by AVISP, who is TeBiCE LP.
INTERREG CENTRAL EUROPE PROSPECT2030	With PIEMONTE as LP, the project focused on good governance as the key driver to unlock the energy transition towards a low-carbon economy. PIEMONTE will build upon the capacity building workshops & mutual learning sessions organized within PROSPECT2030 to support WP1 task leaders in the setup of DIVERSE Open-Dialogue Toolkit & Focus Labs.
INTERREG EUROPE APPROVE	APPROVE has tackled barriers to the development of RES, focusing on awareness raising capacity building and stakeholder participation as ways to enable and promote RES. The interregional workshops & stakeholders’ meetings organized by the project will provide important inputs for the setup of DIVERSE open dialogue toolkit. In addition, APPROVE Policy Briefs & Regional Action Plan will be capitalised to define the Alpine Trajectories, one of the key outputs of DIVERSE project.
HORIZON 2020 ISABEL	Similarly to DIVERSE, ISABEL project aimed to create the conditions for the development of sufficiency-oriented energy communities based on the production and consumption of sustainable bioenergy (in ISABEL specific case, sustainable biogas). DIVERSE will analyse and capitalise ISABEL case studies to draft the circular business models for Alpine renewable Energy Communities that are committed to integrate nature protection concepts, while providing policy recommendation for their functioning.
INTERREG DANUBE TRANSNATIONAL PROGRAMME DanuP-2-Gas	TZE, as LP of the DanuP-2-Gas project, will provide the technical know-how for supporting the setup of DIVERSE pilot & case studies. In particular, it will be assessed the possibility to adapt & use the optimization tool developed for the Danube Region to calculate the feasibility of power-to-gas hubs, thus providing a sound basis for the development of circular business models for Alpine Energy Communities within DIVERSE project.

Project or Initiative	Synergy
Bioeconomy Pilot of the Vanguard Initiative	LGCA is the technical coordinator of the bioeconomy pilot project of the Vanguard initiative, a network of 35 EU regions focused on promoting new growth using the S3 strategy. DIVERSE can therefore benefit from a consolidated network of SMEs active in the green chemistry sector to accelerate market adoption & roll-out of circular business models and Alpine Trajectories.
Austrian national research programme LEC Steyr	4ER elaborated a calculation tool for the design of (electrical) renewable Energy Communities (ECs), representing one of the first projects in the field of renewable ECs in Austria. Methods and results for circular business model development will be adapted and used in DIVERSE project, thus targeting Alpine ECs.
Piemonte Region (RDP 2014-2020) LENO & LENO2022	LENO and LENO2022 are the two editions of an EAFRD-funded project aimed at enhancing and qualifying the wood-energy supply chain. In addition to innovation and communication actions, the project developed data analysis activities and new spatial models serving the development of thermal ECs. This work, thanks to PIEMONTE direct involvement in LENO projects, will provide a useful starting point for the definition of DIVERSE circular business models for Alpine ECs.

C.2.7 How does the project build on available knowledge?

Please describe the experiences/lessons learned that the project draws on and other available knowledge the project capitalises on as well as the added value of the project compared to the status quo in the field tackled by your proposal.

DIVERSE is based on the analysis of recent studies on biomass production in the EU (JRC & OECD), on the policy context provided by the EU Commission Staff Working Documents (2030 Biodiversity Strategy, REDIII, REPowerEU), on the data collected by the EUSALP Energy Survey, on AG2,6,9 work plans. It also draws on the achievements of initiatives focused on RES, such as the supply chain development methodologies and strategies (AlpLinkBioEco, Forest EcoValue, TeBiCE), cross-sectoral capacity building (e.g. REDIAFOR, PROSPECT2030, APPROVE), sustainability trade-offs & criteria (CaSCo, BB-Clean), ECs' implementation (ISABEL, LEC Steyr). The project will go beyond the status quo by providing a more nuanced, structured and open debate on bioenergy production, to jointly address the trade-offs between bioenergy & biodiversity and to apply sustainability criteria & trajectories for an effective valorisation of biodiversity-positive bioenergy routes in line with the new REDIII principles

C.3 Project partnership

Please describe the structure of your partnership and summarise how the single partners will contribute to jointly implement the project and achieve the project objectives. Please explain how the relevant territory (namely the Alps and the peri-alpine area) will benefit from the participation of the single partners.

DIVERSE partnership is formed by 12 organisations from 5 AS countries (IT, FR, SI, DE, AT), all with either direct or indirect policy influence in the energy & environmental sectors. They cover the full range of expertise needed for the implementation of sustainable & biodiversity compatible bioenergy routes: knowledge of bioenergy systems & environmental impact assessment (RSE, TZE), biodiversity & nature protections experts (JZ KPLB, Uni. Graz), LCA & market analysis of biobased value chains (LGCA), implementation of renewable Energy Communities (4ER, LEA), regional authorities dealing with RES trade-offs (PIEMONTE), Business Support Organisation-BSO conducting applied research on bioenergy & integration of nature protection practices (AVISP), BSO skilled in cross sectoral SH engagement (ITALCAM), development agency contributing to regional strategies (RRA LUR), regional association advocating for the valorisation of regional wood supply chain & biodiversity protection (COFOR).

C.4 Project work plan

Number	Work package name
1	An open dialogue for bioenergy & biodiversity
2	A trial for biodiversity-friendly bioenergy
3	Alpine Trajectories for integrated bioenergy

Work package 1

Work package title

An open dialogue for bioenergy & biodiversity

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable - indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities of this work package are implemented and outputs delivered.

Set the groundwork for a structured and collaborative discussion on bioenergy among key actors in the Alpine Space, based on shared criteria and knowledge for sustainability and biodiversity-friendly local biomass utilization.

Then think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief. Please define one or several communication objectives in relation with your project specific objective and your target audience. For example, it could be "raising awareness", "influencing attitude", "increasing knowledge" or "changing behaviour", etc. We recommend defining SMART objectives: Specific, Measurable, Achievable, Relevant and Timed. Further recommendations are available in the Communication toolkit at www.alpine-space.eu.

Raise awareness of at least 300 bioenergy & biodiversity AS stakeholders among regional/local PAs, bioenergy supply chain & nature protection actors on the interrelations and trade-offs between bioenergy, environment and biodiversity, highlighting the importance of establishing an open dialogue to achieve more sustainable energy production strategies that respect biodiversity and ecosystem integrity.

Activities

Activity 1.1	
Title	Activate Focus Labs in DIVERSE regions to gather challenges & opportunities related to bioenergy & biodiversity
Start period	Period 1, 1 - 6
End period	Period 1, 1 - 6
Description	PP4 will lead the setup of 7 Focus Labs (FL), formed

Activity 1.1	
	by local/regional PAs, biomass/bioenergy producers, nature protection actors. PPs will conduct Rapid Evidence Assessment (REA) interviews with FL to gather status quo, challenges /opportunities related to 2 key bioenergy routes in AS (agricultural/agri-food & forestry residues). REA results will be synthesized to feed a transnational report & PESTLE analysis to highlight drivers and key interdependencies between bioenergy & biodiversity.

Deliverables 1.1			
Running number	Deliverable title	Description	Delivery period
D.1.1.1	PESTLE analysis on 2 key bioenergy routes in Alpine Space territories.	PESTLE analysis for the identification of drivers, internal/external factors linked to bioenergy production and key interrelations with biodiversity. PP4	Period 1 , 1 - 6

Activity 1.2	
Title	Analyse key regional bioenergy value-chains and outline shared sustainability and biodiversity indicators for value-chains improvement.
Start period	Period 1, 1 - 6
End period	Period 2, 7 - 12
Description	A1.1 outcomes will provide PPs with the baseline for performing the analysis of the 2 selected regional bioenergy value-chains. LP will guide the investigation of feedstock flows in AS regions, LCA, impact on local ecosystems and biodiversity. Drawing on REDIII & Focus Labs evaluations, PPs will define a transnational set of indicators, to be used for mainstreaming sustainability and biodiversity conservation/restoration concepts into bioenergy value-chains in AS territories.

Deliverables 1.2

Running number	Deliverable title	Description	Delivery period
D.1.2.1	Overall analysis of key regional bioenergy value-chains in Alpine Space territories.	Analysis of feedstock flows, LCA & impact on local ecosystems for the 2 main bioenergy routes in AS, i.e. (1) residual biomass from agriculture/agri-food and (2) residues from forest management. LP	Period 2 , 7 - 12
D.1.2.2	Sustainability & biodiversity indicators set for bioenergy value-chains assessment.	Set of shared criteria to guide sustainability and biodiversity mainstreaming in the Alpine Space area. PP9&12	Period 2 , 7 - 12

Activity 1.3

Title	Outline a capacity building protocol to foster an open dialogue between bioenergy and biodiversity sectors
Start period	Period 1, 1 - 6
End period	Period 3, 13 - 18
Description	Based on the first results of the value-chains analysis in A1.2, PP7 will lead PPs in the co-development of a capacity building protocol, with a transnational approach to guide an open dialogue between bioenergy and biodiversity actors. It will provide practical support to PPs in key SHs involvement in their territories and define a targeted engagement strategy within the Focus Labs.

Deliverables 1.3

Running number	Deliverable title	Description	Delivery period
D.1.3.1	A protocol for an open dialogue between bioenergy and biodiversity actors and stakeholders.	“How-to” manual to setup and steer multi-stakeholder & open dialogue sessions between bioenergy & biodiversity stakeholders to be applied via the Focus Labs. PP7	Period 2 , 7 - 12

Activity 1.4	
Title	Promote the findings of the analyses on regional bioenergy value-chains to Focus Labs and general public to set up DIVERSE open dialogue on bioenergy & biodiversity trade-offs/potential win-wins.
Start period	Period 1, 1 - 6
End period	Period 3, 13 - 18
Description	PP10 will coordinate the production of communication materials and the organisation of regional events with Focus Labs members and general public in order to present & explain the main data derived from bioenergy value-chains assessment, as well as to analyse sustainability and biodiversity trade-offs & indicators. This knowledge base will be shared also with EUSALP AG2,6,9 through dedicated meetings, to better define synergies, contribution & alignment to their work plans & sub-group activities

Deliverables 1.4			
Running number	Deliverable title	Description	Delivery period
D.1.4.1	Communication pills on trade-offs and win-wins between bioenergy, sustainability & biodiversity.	Set of infographics in different formats to summarise A1.1&2 analyses, to be used at Focus Lab first meetings and for wider dissemination via websites, social media, press release, etc. PP12	Period 3 , 13 - 18
D.1.4.2	Contributions to EUSALP Action Groups.	Brief report synthesizing DIVERSE contributions to AG2,6,9 work plans & sub-group activities. LP&PP7	Period 3 , 13 - 18

Outputs

Output 1.1	
Output Title	DIVERSE Open Dialogue Toolkit
Programme Output Indicator	OI 2.1.3: Other
Measurement Unit	
Target Value	1,00

Output 1.1	
Delivery period	Period 3, 13 - 18
Output Description	Set of tools to support open discussion in the Focus Labs: (1) a protocol to promote capacity building between bioenergy & biodiversity stakeholders, (2) summaries presenting the sustainability trade-offs related to using residue-based biomass, (3) sustainability and biodiversity indicators. All of these will be combined into a roadmap to guide bioenergy & biodiversity actors towards the joint identification of solutions to improve sustainability of regional bioenergy value-chains.PP9

WP description and responsibilities

Overall description of this WP and responsibilities 1.1

Overall description of this WP and responsibilities

Please summarise the foreseen activities within this WP.

PP9 will lead WP1, starting with the setup of Focus Labs in PPs' regions. Key bioenergy value-chains (residual biomass from agriculture/agri-food & forestry) will be assessed, looking at feedstock flows, life cycle assessment (LCA), ecosystem impacts. Drawing on REDIII provisions, PPs will define sustainability and biodiversity criteria and a capacity building protocol for bioenergy & environment /biodiversity sectors, leading to the development of the DIVERSE Open Dialogue Toolkit.

Work package 2

Work package title

A trial for biodiversity-friendly bioenergy

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable - indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities of this work package are implemented and outputs delivered.

Integrate nature protection concepts into biomass utilisation pathways and guide bioenergy value-chain actors in establishing sustainable bioenergy routes by testing DIVERSE open dialogue approach.

Then think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief. Please define one or several communication objectives in relation with your project specific objective and your target audience. For example, it could be "raising awareness", "influencing attitude", "increasing knowledge" or "changing behaviour", etc. We recommend defining SMART objectives: Specific, Measurable, Achievable, Relevant and Timed. Further recommendations are available in the Communication toolkit at www.alpine-space.eu.

Increase knowledge of at least 200 bioenergy & nature protection actors in the AS among regional /local PAs, bioenergy supply chain & nature protection SHs on how to integrate biodiversity and sustainability concepts in regional bioenergy pathways by opening a constructive dialogue on win-win solutions.

Activities

Activity 2.1	
Title	Co-design DIVERSE transnational pilot on the open dialogue approach
Start period	Period 3, 13 - 18
End period	Period 3, 13 - 18
Description	The LP will lead the co-design of the DIVERSE transnational pilot, adopting OT1.1 in the Focus Labs areas. PPs will tailor Toolkit components to

Activity 2.1	
	the 2 key regional bioenergy value-chains analysed in WP1 (agricultural/agri-food residual biomass:PP3, 4,5-6,9-10; forestry residues:LP,PP2,7,8-11-12) & prepare an implementation plan with specific actions to integrate sustainability and biodiversity criteria at multiple levels (policy, management practices, business models) across the project areas.

Deliverables 2.1			
Running number	Deliverable title	Description	Delivery period
D.2.1.1	DIVERSE pilot implementation plan.	Instruction for applying biodiversity criteria & open dialogue approach in PPs' areas, with different modules for the 2 bioenergy value-chains and specific actions for each pilot area.LP	Period 3 , 13 - 18

Activity 2.2	
Title	Test the DIVERSE open dialogue approach in integration of sustainable & biodiversity-positive measures in regional bioenergy value-chains.
Start period	Period 3, 13 - 18
End period	Period 4, 19 - 24
Description	Using the open dialogue approach and OT1.1 materials (summaries on trade-offs, sust. & biodiv. Indicators), the Focus Labs will work on improving the sustainability of the 2 selected value chains by (i) integrating biodiversity & environmental concepts into regional/local energy/climate plans (LP-4,PP2,9-10); (ii) improving agro-ecological/forestry management practices (PP3,7,8-11-12); (iii) designing circular business models for ECs and/or value chains (LP-4,PP2,5-6,7,9-10,8-11-12). Lead: PP3.

Deliverables 2.2

Running number	Deliverable title	Description	Delivery period
D.2.2.1	Report on the pilot testing of the Open Dialogue Toolkit.	Reports on the outcomes & key takeaways of the sessions with the Focus Labs, carried out in the 7 project areas and for the 2 selected value-chains, testing the DIVERSE Open Dialogue Toolkit. PP6	Period 4 , 19 - 24

Activity 2.3

Title	Evaluate and co-validate DIVERSE pilot results through knowledge-bridging sessions.
Start period	Period 4, 19 - 24
End period	Period 4, 19 - 24
Description	PP5 will coordinate the validation of the pilot results. The open dialogue application for the activation of sustainable & biodiversity-friendly actions at regional level will be peer-reviewed through open knowledge bridging sessions led by PPs and with the involvement of other experts from bioenergy & biodiversity fields. Gaps/failures will be addressed to eventually recalibrate Focus Labs actions. Video interviews & press conferences will be realised to communicate pilot work & achievements.

Deliverables 2.3

Running number	Deliverable title	Description	Delivery period
D.2.3.1	Pilot validation report.	Validation report with results of the open knowledge bridging sessions with experts, also from AG2,4,6, aimed at providing key inputs for the development of the Alpine Trajectories document. PP5	Period 4 , 19 - 24
D.2.3.2	Video interviews on pilot activities.	Video recordings of brief interviews with highlights on pilot actions and results obtained to be published on DIVERSE & PPs' websites and project social media accounts. PP10	Period 4 , 19 - 24

Activity 2.4	
Title	Formulate a joint solution for the promotion of sustainable & biodiversity-positive bioenergy pathways in Alpine regions.
Start period	Period 4, 19 - 24
End period	Period 4, 19 - 24
Description	PP6 will support PPs in collecting the policy integration measures, agricultural & forestry management practices, ECs & value-chain models validated in A2.3, outlining a first draft of the Alpine Trajectories, DIVERSE guidelines for enhancing sustainable & biodiversity-positive bioenergy pathways. Grouped per value-chain type, PPs will invite Focus Lab members & interested SHs to join learning sessions, where Labs will train each other & the audience on the actions implemented.

Deliverables 2.4			
Running number	Deliverable title	Description	Delivery period
D.2.4.1	Draft of the Alpine Trajectories for sustainable and biodiversity positive bioenergy routes.	List of actions implemented by Focus Labs. It is the basis for the elaboration of the AT, i.e. the guidelines to enhance sustainable & biodiversity-positive bioenergy pathways in AS. PP8	Period 4 , 19 - 24
D.2.4.2	Recordings of the joint learning sessions.	Proceedings & recordings of the online training & exchange to learn about lessons learnt, win-win solution(s) and their concrete implementation for improving bioenergy value-chain sustainability.PP6	Period 4 , 19 - 24

Outputs

Output 2.1	
Output Title	DIVERSE pilot: a path towards sustainable & biodiversity-positive bioenergy routes in the Alpine Space
Programme Output Indicator	OI 2.1.1: Pilot actions developed jointly and implemented in projects
Measurement Unit	pilot actions

Output 2.1	
Target Value	1,00
Delivery period	Period 4, 19 - 24
Output Description	Transnational pilot testing the Open Dialogue Toolkit (WP1) in 7 AS territories through the Focus Labs, each gathering local & regional stakeholders from the bioenergy and nature protection scene, and tailored to 2 value chains, i.e. biomass from agricultural & agrifood residues (PP3,4,5-6,9-10), and from forestry (LP,PP2,7,8-11-12). Setup of policy measures, management practices & energy communities/value-chain models to integrate biodiversity protection needs into regional bioenergy routes.PP6

WP description and responsibilities

Overall description of this WP and responsibilities 2.1

Overall description of this WP and responsibilities

Please summarise the foreseen activities within this WP.

PP6 will lead a transnational pilot on the 2 selected Alpine bioenergy value-chains. PPs will test the Open Dialogue Toolkit in 7 areas through the Focus Labs to define & implement key actions to integrate environmental & biodiversity protection criteria into residue-based bioenergy pathways. PPs will review and validate pilot results, feeding the draft of the Alpine Trajectories, i.e. a set of multi-level actions for the valorisation of sustainable and biodiversity-positive bioenergy routes.

Work package 3

Work package title

Alpine Trajectories for integrated bioenergy

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable - indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities of this work package are implemented and outputs delivered.

Support decision makers & bioenergy actors in the Alpine Space in the sustainable & biodiversity-positive energy use of local bioenergy resources, so as to effectively integrate both climate & biodiversity protection aspects.

Then think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief. Please define one or several communication objectives in relation with your project specific objective and your target audience. For example, it could be "raising awareness", "influencing attitude", "increasing knowledge" or "changing behaviour", etc. We recommend defining SMART objectives: Specific, Measurable, Achievable, Relevant and Timed. Further recommendations are available in the Communication toolkit at www.alpine-space.eu.

Influence at least 20 regional/national authorities & 100 bioenergy supply chain actors in the Alpine Space to integrate the Alpine Trajectories provisions and open dialogue into bioenergy policy, biomass management, ECs, and value chain models. PPs will organize peer-to-peer learning sessions with colleagues from various departments & external collaborators to train on OT1.1 in local contexts. Project outputs will be rolled out through targeted workshops and site visits with selected followers.

Activities

Activity 3.1	
Title	Co-design the Alpine Trajectories for the valorisation of sustainable and biodiversity positive bioenergy pathways
Start period	Period 4, 19 - 24
End period	Period 5, 25 - 30

Activity 3.1	
Description	Led by PP2, PPs will enrich the Alpine Trajectories (AT) draft document D2.4.1 & structure it into 3 comprehensive modules to address transnationally: integration/harmonization of bioenergy-biodiversity policy frameworks; sustainable management practices for agricultural & forestry residues, and viable business models for the establishment of circular energy communities & bioenergy value-chains. A set of policy recommendations will target EU, national and regional decision makers.

Deliverables 3.1			
Running number	Deliverable title	Description	Delivery period
D.3.1.1	DIVERSE policy highlights	1 factsheet per policy level (EU, national, regional) with transnational recommendations, and sections dedicated to AS nations & regions. PP4	Period 5 , 25 - 30

Activity 3.2	
Title	Foster the uptake of the Alpine Trajectories by PPs' organisations
Start period	Period 5, 25 - 30
End period	Period 5, 25 - 30
Description	Guided by PP8, PPs will outline execution plans to steer OTs uptake within their organisations, based on their role. Concerning OT3.1, PAs will internally setup cross-sectoral roundtables to discuss AT and define follow-up actions for updating/harmonising the sectoral policy frameworks. Univ./Research org. will work on the development of cross-sectoral research programs/curricula, while business support entities will design interdisciplinary advisory services cooperating with local partners.

Deliverables 3.2			
Running number	Deliverable title	Description	Delivery period
D.3.2.1	Alpine	Report highlighting PPs' achievements concerning AT uptake,	Period 5

Deliverables 3.2			
Running number	Deliverable title	Description	Delivery period
	Trajectories uptake brief.	assessing gaps and remaining steps to meet execution plans objectives. PP2	, 25 - 30

Activity 3.3	
Title	Integrate DIVERSE open dialogue approach in PPs' work
Start period	Period 5, 25 - 30
End period	Period 6, 31 - 36
Description	PPs will organise internal peer-to-peer learning sessions gathering colleagues from different departments/research groups/divisions & external collaborators, to be trained on OT1.1 use in local contexts, based also on the pilot lessons learnt from WP2. PPs will work towards the long-term establishment of the Focus Labs, designed to become permanent energy-biodiversity observatories in AS territories. At the end, PPs will sign a Memorandum of Agreement & commit to OTs uptake and upscale. Lead:LP

Deliverables 3.3			
Running number	Deliverable title	Description	Delivery period
D.3.3.1	Open Dialogue uptake brief.	Report summarising the outcomes of the peer-to-peer learning sessions within PPs' organisations & provision for the long-term establishment of the Focus Labs. PP7	Period 5 , 25 - 30
D.3.3.2	DIVERSE Memorandum of Agreement.	Memorandum of Agreement signed by PPs formalising key actions for DIVERSE outputs uptake, based on the content of execution plans and uptake briefs. LP	Period 5 , 25 - 30

Activity 3.4	
Title	Mainstream and roll-out DIVERSE outcomes
Start period	Period 5, 25 - 30

Activity 3.4	
End period	Period 6, 31 - 36
Description	Led by LP, PPs will outline a Transfer Plan for OT1.1, 3.1 & related policy highlights, supported by the lessons learnt from OT2.1. Within their TGs, each PP will identify at least 2 followers, signing a Letter of Intent. With national/regional PAs, PPs will setup workshops to discuss recommendations, Toolkit upscale scenarios & work on AT contextualisation. With bioenergy actors, PPs will organise open seminars & public exhibits to train on OT3.1 practices and on open dialogue application.

Deliverables 3.4			
Running number	Deliverable title	Description	Delivery period
D.3.4.1	DIVERSE Transfer Plan.	Plan to roll-out the Toolkit, pilot lessons learnt, AT & policy highlights among PAs, research, business sector, interest groups. It will define ad-hoc strategies for addressing each TG.PP10	Period 5 , 25 - 30
D.3.4.2	Signed Letter of Intent.	Lol signed by project followers, participating to policy workshops and open seminars, with agreements to cooperate after project's life. LP	Period 6 , 31 - 36

Activity 3.5	
Title	Disseminate DIVERSE results at transnational level
Start period	Period 6, 31 - 36
End period	Period 6, 31 - 36
Description	PP10 will guide PPs in the organisation of a public conference to disseminate project outputs transnationally. They will invite EUSALP AG2,6,9 to discuss DIVERSE contribution to AGs work plans and thematic sub-groups, as planned in WP1. PPs will also invite EU authorities (JRC, DG ENER, ENV), bioenergy & biodiversity associations (IEA Bioenergy, IPBES national focal points), thus ensuring OTs alignment with the latest EU policy & industry developments on bioenergy and environment/biodiversity.

Deliverables 3.5			
Running number	Deliverable title	Description	Delivery period
D.3.5.1	DIVERSE final conference proceedings	Project final conference notes to be kept by PPs as takeaways to be used for further outputs transfer activities & for enriching the training materials produced by university/research PPs. PP10&7	Period 6 , 31 - 36
D.3.5.2	DIVERSE podcast.	Podcast series retracing project milestones and PPs' inspiring stories (insights on biodiversity/bioenergy interlinks, open dialogue testing in Focus Labs, encounters with policy makers, etc.). PP10	Period 6 , 31 - 36

Outputs

Output 3.1	
Output Title	Alpine Trajectories for sustainable & biodiversity-positive energy routes
Programme Output Indicator	OI 2.1.2: Jointly developed solutions
Measurement Unit	solutions
Target Value	1,00
Delivery period	Period 5, 25 - 30
Output Description	Guidelines consisting of 3 modules to help (1) integrate nature/biodiversity protection concepts and measures into regional & national energy policies, (2) improve sustainability of regional biomass value chains through agro-ecological, forest, and agri-food residue management practices, and (3) implement circular business models for energy communities & value-chains that incorporate insights on biodiversity protection. PP8

WP description and responsibilities

Overall description of this WP and responsibilities 3.1

Overall description of this WP and responsibilities

Please summarise the foreseen activities within this WP.

PP8 will coordinate the elaboration of policy recommendation & OT3.1 Alpine Trajectories (AT), DIVERSE joint solution for the enhancement of sustainable & biodiversity-positive bioenergy pathways at multiple levels. PPs will work on project outputs uptake through ad-hoc execution plans and will identify followers among their TGs for outputs adoption. A final conference will be organised with EUSALP AGs, EU authorities & bioenergy/biodiversity associations to roll-out project achievements.

C.5 Project Results

What do you expect to change because of the activities you plan to implement and the outputs you plan to deliver? Please have a look at the programme result indicators for the priority you choose and select those that you will contribute to. You can refer to the table below summarizing the programme result indicator.

If your project results do not contribute to one of the programme result indicators, please select "other" and precise your indicator. For more information on the programme result indicators, the definition of these and the related target value please refer to the Interreg Programme).

Result 1	
Programme result indicator	RI 2.1.0: Other
Measurement unit	
Baseline	0,00
Target value	1,00
Delivery period	Period 6, 31 - 36
Result description	DIVERSE will advance the cooperation framework between energy & nature protection actors in the Alpine Region through a structured open dialogue between partners and their local and regional stakeholders. A collaborative & integrated approach with an adaptable toolkit, which community leaders can use for energy planning to include REDIII criteria, as well as biodiversity and nature protection concepts, at the early stages of renewable expansion projects in the Alpine Region.
Result 2	
Programme result indicator	RI 2.1: Solutions taken up or up-scaled by organisations
Measurement unit	solutions
Baseline	0,00
Target value	1,00
Delivery period	Period 6, 31 - 36
Result description	DIVERSE will foster integration and roll-out of nature protection concepts and measures into local & regional/national energy policy instruments by mainstreaming the Alpine Trajectories (AT). This will

Result 2	
	support sustainable agro-ecological, forest, and byproducts management practices along the regional bioenergy value chains, as well as promote self-sufficiency and circularity within Alpine Energy Communities & bioenergy value-chains.

C.6 Project Time Plan

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	After End
WP1 An open dialogue for bioenergy & biodive...	[Orange bar]						
A1.1 Activate Focus Labs in DIVERSE regi...	D1.1.1						
A1.2 Analyse key regional bioenergy valu...	[Orange bar]	D1.2.1					
		D1.2.2					
A1.3 Outline a capacity building protoc...	[Orange bar]	D1.3.1					
A1.4 Promote the findings of the analyse...	[Orange bar]		D1.4.1				
			D1.4.2				
OI 2.1.3			O1.1				
WP2 A trial for biodiversity-friendly biene...			[Dark blue bar]				
A2.1 Co-design DIVERSE transnational pl...			D2.1.1				
A2.2 Test the DIVERSE open dialogue appr...			[Dark blue bar]	D2.2.1			
A2.3 Evaluate and co-validate DIVERSE pi...				D2.3.1			
				D2.3.2			
A2.4 Formulate a joint solution for the ...				D2.4.1			
				D2.4.2			
OI 2.1.1				O2.1			
WP3 Alpine Trajectories for integrated bioen...				[Green bar]			
A3.1 Co-design the Alpine Trajectories f...				[Green bar]	D3.1.1		
A3.2 Foster the uptake of the Alpine Tra...					D3.2.1		
A3.3 Integrate DIVERSE open dialogue app...					D3.3.1	[Green bar]	
					D3.3.2	[Green bar]	
A3.4 Mainstream and roll-out DIVERSE out...					D3.4.1	D3.4.2	

A3.5 Disseminate DIVERSE results at tran...						D3.5.1	
						D3.5.2	
OI 2.1.2					O3.1		
Result indicator							
RI 2.1						R2	
RI 2.1.0						R1	

C.7 Project management

In addition to the thematic work, projects will need time and resources for coordination and internal communication. Please describe below how you plan to organise yourself to ensure the project work runs smoothly.

C.7.1 How will you coordinate your project?

The Lead partner will be responsible for the project coordination. In addition, a project steering group should be installed. Will you have any other bodies/responsibilities (e.g. thematic groups, WP managers)? How will the internal coordination work? How will you steer the implementation of your project? Please precise how the project management will be organised and if it will be externalised.

LP will liaise with PPs & external project management experts on a daily basis to ensure effective project management & coordination. LP will be supported by WP Leaders, i.e. WP1-PP9, WP2-PP6, WP3-PP8, who will coordinate with Act. Leaders & deliverables responsible. PP10 will lead the communication activities. 2 management bodies will be appointed: (1) Project Steering Group (PSG), chaired by the LP and composed of 1 representative from each PP. It will be responsible for decision making & steering important administrative procedures. It will meet every 6 months during the PP meetings to monitor project progress, schedule, expenditure and quality of project outputs /deliverables. (2) Project Coordination Team (PCT), consisting of the LP, WP Managers & Activity Leaders, will oversee project implementation and meet 3 times per year. Efficient internal communication is ensured through monthly webcalls with all WPs to review the progress of activities and to agree on to-do's & next steps.

C.7.2 Which measures will you take to properly steer the implementation of your project and to ensure an implementation in line with the AF?

Describe specific approaches and processes (such as the use of project management tools – also in the light of change management and risk management) and responsible partners. If you plan to have any type of project evaluation, please describe its purpose and scope here.

The Project Coordination Team (PCT) will supervise project activities. It will be responsible for ensuring quality control and submitting quality review reports to the PSG, at least twice per year. It will prepare a Project Management Plan with rules and responsibilities for project implementation. Beside this, a Project Management Toolkit will be developed by the LP to support PPs' internal management & project reporting activities. The PCT will outline a Quality Assurance Plan & periodical assessments will be carried out to ensure quality of DIVERSE deliverables and outputs, and inform the PSG on potential risks/criticalities. The PCT will outline a Risk Management Plan to detect risks and identify adequate correction measures/deviation. All PPs will be involved in quality control activities, assessments and will contribute to the elaboration of the Risk Management Plan.

C.7.3 What will be the general approach you will follow to communicate about your project?

Who will coordinate project communication and how will the involvement of all partners be ensured? How will the communication function contribute to transferring of your project results? Please note that all communication activities should be included in the work package, as an integral part of your project. There is no need to repeat this information here. It is expected that projects develop a communication strategy. All information on how to develop a communication strategy are available in the Communication toolkit at www.alpine-space.eu.

PP10 will lead the Project Communication, which will be executed by all PPs using their existing networks. This will ensure effective communication throughout the project in transnational settings. Each partner will support project communication by assigning a communication officer to align with the overall communication strategy and objectives. To reach diverse target groups, the existing networks of all PPs and observers will be utilised. Communication activities will be coupled up with the thematic activities and clarified in work package methodologies. PP10 will finalise the Communication Strategy, which was drafted during the DIVERSE design phase, by specifying project activities, target groups, and relevant media/materials to be used. Project information and insights will be published on the project and partners' websites, and at least one social media account will be activated. PP8 will draft e-newsletters to disseminate project events and achievements widely.

C.7.4 How do you foresee the financial management of the project and reporting procedures for activities and budget (within the partnership and towards the programme)?

OPTIONAL - If you would like to add something on top of the basics defined in the subsidy contract and partnership agreement, please detail it here. This information could especially consist of the following: defined responsibilities, deadlines in financial flows, reporting flows, project related transfers, reclaims, etc.

The reporting procedures will adhere to the rules outlined in the Programme Manual of the Interreg Alpine Space programme. The LP will provide a Project Management Toolkit, including a budget form for each Project Partner (PP), to monitor expenses within the flexibility rules. The Toolkit will clarify the budget, financial reporting procedures, project templates, timeline, and schedule. During the Kick-off Meeting (KoM), the Toolkit will be discussed with all PPs, and the reporting rules will be introduced and explained. At the end of each semester, the PPs will draft and send their financial reports to the LP. The LP will check that the expenditures match the foreseen activities and time schedule. Once approved, the PPs can submit their report to their FLCs. The LP will ensure the timely submission of payment requests and promptly transfer the ERDF funds upon receipt.

C.7.5 Cooperation criteria

Please select all cooperation criteria that apply to your project and describe how you will fulfil them. Following the Interreg regulation, Interreg partners should cooperate in development and implementation as well as in staffing or financing, or both. Joint development and joint implementation are therefore considered obligatory (*), in addition either joint staffing or joint financing needs to be selected (or both).

Cooperation criteria		Description
Joint development*	Yes	Led by LP, PPs co-defined project goal, objectives, outputs & activities in the preparation phase.
Joint implementation*	Yes	All PPs will be involved in the implementation according to roles & competences.
Joint staffing	Yes	The Gantt chart will ensure that each PP has its own role & responsibilities.
Joint financing	Yes	All PPs will contribute own (secured) resources for project implementation.

C.7.6 Horizontal principles

Please indicate which type of contribution to horizontal principles applies to the project, and justify your choice. Please be aware that only projects with neutral or positive effects on the horizontal principles can be co-financed. Negative impacts would lead to an ineligible proposal. Please consider for all the principles if realistically your project's activities will create a change. If the principle is acknowledged but not a main focus of the project work, please select neutral.

Horizontal principles	Type of contribution	Description of contribution
Sustainable development	positive effects	By investigating the conditions under which biomass can be a suitable energy option for the Alps, DIVERSE will contribute to accelerating the transition to a low-carbon energy mix and strengthen the role that sustainable bioenergy can play in energy sufficiency and sustainable development in the AS.
Equal opportunities and non-discrimination	neutral	DIVERSE will ensure equal opportunities and non-discrimination. In particular, in relation to the WP2 pilot, the PPs will ensure that the activities of the Focus Labs are open to all target groups and are non-discriminatory in terms of nationality, origin, religion, age and sexual orientation.
Equality between men and women	neutral	PPs will ensure that DIVERSE activities and outputs respect gender equality and promote equal participation regardless of gender.

C.8 Long-term plans

As a programme, we would like to support projects that have a long-lasting effect in the territory and those who will benefit from them. Please describe below what you will do to ensure this.

C.8.1 Ownership

Please describe who will ensure the financial and institutional support for outputs/deliverables developed by the project (e.g. tools), and explain how these outputs/deliverables will be integrated in the work of partner organisations. Please mention concrete measures.

DIVERSE PPs, based on their roles (policy, research, business), will continue to use and promote project outputs. In particular, PPs will leverage OT3.1 uptake and upscale through the new synergies developed with Focus Lab members and relevant TGs via OT1.1 & OT2.1 application, triggering a spillover effect along the entire bioenergy value-chains. PAs and supporting organisations (PP2,5,6) will aim to include Alpine Trajectories provisions in regional sectoral policies, renewable expansion projects & local plans/strategies. Research entities (LP,PP8,9,12) will integrate WP1&WP2 deliverables and outputs into their research work and contribute to open databases (i.e. ReSurveyEurope, Geoportale Energia e Territorio,etc.) and develop follow-up activities to support evidence-based policy harmonisation. Business sector representatives (PP4,7,10) & support agencies (PP3,11) will arrange training activities to promote sustainable & biodiversity-friendly practices for biomass utilisation .

C.8.2 Durability

Some outputs/deliverables should be used by relevant groups (project partners or others) after the project's lifetime, in order to have a lasting effect on the territory and the population. For example, new practices in urban transport need to be used by local authorities to have cleaner air in the city, and the whole population will benefit from this. Please describe how your outputs/deliverables will be used after the project ends and by whom.

OT1.1: to be used by local/regional PAs (e.g.PIEMONTE, ILE), research organisations (e.g.RSE,Uni. Graz) & business support agencies (e.g.AVISIP) to foster participative decision-making with local communities on energy, land-use planning, etc., supported by the replicable workflow provided by OT2.1, with Focus Labs becoming permanent energy-biodiversity observatories in AS territories. OT3.1: to direct regional/national PAs (e.g.PIEMONTE, Lombardy) in S3 & ERDF programs formulation, and to design financial instruments for strengthening biomass cross-sectoral supply chains. Local PAs will use AT as guidelines to support ECs implementation & local plans. Value-chain actors (biomass/bioenergy producers/users, etc. incl. LEA, sectoral agencies, grid operators, chambers of commerce/agric.) will draw on AT for adopting sustainable management practices and business models. PPs will engage in memoranda of agreement (D3.3.2), to ensure collaboration in the further application of project OTs.

C.8.3 Transferability

Some outputs/deliverables that you will deliver could be adapted or further developed to be used by other target groups or in other territories. What will you do to make sure that relevant groups are aware of your outputs/deliverables and are able to use them?

All the 3 WPs involve the direct participation of the relevant TGs through Focus Labs and ad-hoc dissemination and communication activities. In particular, for each output: OT1.1 Focus Labs will be kicked-off and informed on the results of the bioenergy value-chains assessments conducted in WP1. This knowledge base will be shared also with EUSALP AG2,6,9 through dedicated meetings, to better define contribution & alignment with their work plans. OT2.1: PPs will organise press release, press conferences and video-interviews to communicate Focus Lab activities and will produce a report on key lessons learnt. OT3.1: PPs will define a Transfer Plan & select followers among their TG. They will organise ad-hoc meetings with national/regional policy makers, seminars and training with bioenergy value-chain actors, as well as a final conference to discuss DIVERSE outcomes with EUSALP AGs and relevant EU authorities (JRC, DG ENV/ENER). Moreover PPs involves different policy makers as observers.