

ADAPTNOW

REPLICATION GUIDE



Interreg



Co-funded by
the European Union

Alpine Space

ADAPTNOW

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1

INTRODUCTION

This guide has been developed in the framework of the Interreg Alpine Space project ADAPTNOW, whose main objective is to increase the risk management and adaptation capacities of Highly Affected and Exposed Alpine Territories (HAET) through the implementation and evaluation of agile, integrated, systemic and participatory approaches, coordinated by Regional and Local public Authorities with the support of sectoral agencies and research institutes. Specifically, ADAPTNOW aims at strengthening the adaptive capacities of HAET in the Alpine Territories by tackling the following challenges that these territories share NOW.

- Developing/expanding Climate Services to support Local Authorities in their adaptation and resilience endeavour;
- Addressing the uncertainties that come from managing the increasingly volatile events due to Climate Change;
- Strengthening of territorial energy and climate planning and policies. There is a need for more integrated, collaborative, agile and less bound climate adaptation planning fostering risk mitigation measures, avoiding disturbances to ecosystems and including Nature-Based Solutions (NBS);
- Bridging knowledge gaps among local stakeholders in order to integrate more systemic adaptation measures and involve the local communities.



The ADAPTNOW project, during its 3 years of implementation, has dealt with:

- The organization of multi-stakeholder local roundtables in target territories to identify local needs and priorities;
- The coordination of workshops to strengthen capacities in nature-based Climate Adaptation and Risk Management (CA&RM) measures, integrated planning and financing tools, community engagement and communication, extreme / compound / cascading events;
- The design and implementation of 7 pilot projects focusing on a set of shared hazards and sectors;
- The implementation of Climate Adaptation and Risk Management support services to provide long-term support to Municipalities for improving and implementing their CA&RM plans;
- The development of a replication programme beyond target HAET, through the implementation of exchanges of experiences with 7 organizations selected outside the project partnership;
- The draft of Policy recommendation for EUSALP, regional and local policy makers for improving the resilience of Alpine HAET.

The main results of ADAPTNOW project can be summarized in the following 4 key outputs:

- Guidebook for introducing advanced Climate Adaptation and Risk Mitigation planning at local level;
- Alpine Climate Adaptation Support Service Package;
- Replication guide;
- Policy recommendations.



2

BILATERAL EXCHANGE



2.1 THE PROCESS

In April 2024 an open call has been launched in order to identify at least 6 Promoting Organizations outside the Consortium willing to share their experiences on the topics of risk management and adaptation to climate change, with the project partners, to evaluate the replicability of the pilot projects and climate services developed by ADAPTNOW and to strengthen their adaptation capacities.

The Promoting Organisations have been selected using the following criteria:

1. Level of commitment
2. Previous experience in planning and/or implementing climate adaptation and risk mitigation projects
3. Clearly defined challenges
4. Political role
5. Clear objectives identified
6. Good transferability potential
7. Resources identified
8. Potential of the context

This is the list of the ADAPTNOW Partners and their Promotion Organisations:

Partner	Promoting Organizations
EIV	NÖ Energie- und Umweltagentur GmbH (Austria)
EURAC	KLAR! Nationalparkgemeinden Oberes Mölltal (Austria)
EZA!	Energiewende Oberland (Germany)
ENERGAP	RRA Podravje – Maribor (Slovenia)
AURA-EE	Communauté de Communes des Baronnies en Drôme Provençale (CCBDP) (France)
ISBEE	UNCEM Piemonte (Italy)
IRE	ANCI Liguria (Italy)



2.2

THE EXCHANGE

The exchange activities between the selected Promoting Organizations and ADAPTNOW partners took place from March 2024 to April 2025. These consisted of several meetings and some follow up webinars to learn more about climate adaptation and risk mitigation and to exchange experiences.

Bilateral exchanges are described in the following pages and include the presentation of the replication candidate, one short summary of the topics discussed and potential future plans.



2.2.1 EIV NÖ ENERGIE - UMWELTAGENTUR GMBH (AUSTRIA)

The Lower Austrian Energy and Environment Agency was founded in 2011 as a limited company; It is wholly owned by the state of Lower Austria and is the first point of contact for the state of Lower Austria for the topics of energy, nature & climate and environment & sustainability.

It supports private individuals in the energy transition, shows ways to achieve sustainability and creates awareness for nature conservation. It also supports municipalities and regions as well as public organisations in implementing environmental and climate goals.

Companies are supported in their transformation towards sustainability and in the use of innovative energy technologies. For specialists, it offers various opportunities for training and further education in courses and workshops.

The ENU has a Klimafit department with 4 people who specialise in climate change adaptation. Its objectives are to support the KLAR! regions, the Municipalities and citizens in Lower Austria to optimise their preparation for the challenges of the climate crisis. They act as a hub for all those dealing with issues relating to adaptation to the climate crisis.

ENU offers climate monitoring, provides climate maps and prepares climate passports for municipalities. In general, it supports the Austrian strategy for adapting to climate change.

ENU is a partner in “Arcadia”, a Horizon project on climate change adaptation. With ARCADIA, Lower Austria is contributing to the European mission “Adaption to Climate Change”, which aims to make 150 regions climate-ready by 2030. The ARCADIA project is mobilising a total of eight regions in Italy, Croatia, Austria, Slovenia, Denmark, Sweden, Bulgaria and Romania to introduce nature-based solutions more quickly.



2.2.1 EIV NÖ ENERGIE - UMWELTAGENTUR GMBH (AUSTRIA)

The project is being implemented until 2028 by a consortium consisting of the Lower Austrian Department of Environment and Energy Management (RU3), the Lower Austrian Agricultural District Authority (NÖ ABB), eco plus. Niederösterreichs Wirtschaftsagentur, Energie- und Umweltagentur des Landes NÖ (eNu) and “Natur im Garten” with scientific support from GeoSphere Austria.



Figure 1 - Exchange between ENU and EIV at the ComBau trade fair

2.2.1 EIV NÖ ENERGIE - UMWELTAGENTUR GMBH (AUSTRIA)

DESCRIPTION OF EXCHANGE EXPERIENCE

I. Date of the meeting: 26.11.2024 and 10.12.2024

Venue of the meeting: online

People involved: staff EIV, Tino Blondiau Head of CCA Department of ENU

Topics covered: Further training for energy consultants to become climate-fit building consultants

Lessons learnt: Methodology and Structure of the course, course material

II. Date of the meeting: 22.02.2025

Venue of the meeting: ComBau, Fare in Dornbirn

People involved: staff EIV, Tino Blondiau

Topics covered: Special area with flood models for village, road and buildings, information on preventing extreme weather damage

Lessons learnt: Exhibition concept

III. Date of the meeting: 24.02.2025

Venue of the meeting: EIV, Dornbirn

People involved: staff EIV, Tino Blondiau

Topics covered: Discussion of previous events

Lessons learnt: Exchange about climate change adaptation in different energy institutes, protocol

IV. Date of the meeting: 12/13.03.2025

Venue of the meeting: Tulln, Lower Austria

People involved: Verena Beiser, Sabine Erber, Tino Blondiau, Swedish Group

Topics covered: Occasion of a visit by a Swedish group as part of the Horizon project Arcadia.

Arcadia is a Horizon project with 60 partners on climate-friendly outdoor spaces, 6 partners from Lower Austria, 3 test regions in Lower Austria, e.g. multi-benefit hedges, fruit and nut varieties, shrubs, grasses;

Lessons learnt: Implementation of hedges in farm land and adapted private garden, Managing big Horizon Project about CCA.

2.2.2 EURAC - KLAR! NATIONALPARKGEMEINDEN OBERES MÖLLTAL (AUSTRIA)

The KLAR! National Park Municipalities Upper Mölltal is part of Austria's KLAR! programme (Climate Change Adaptation Model Regions) and is developing and implementing targeted measures for climate change adaptation. The topics range from soft to green and grey measures and cover the most relevant climatic hazards in various sectors such as water management, forestry, natural hazards, agriculture, tourism and spatial planning. The region includes the municipalities of Großkirchheim, Mörtschach, and Winklern and is located in the alpine area of Carinthia, in the heart of the National Park Hohe Tauern.

The KLAR! is responsible for identifying regional vulnerabilities, developing tailored adaptation strategies and engaging with local stakeholders. It also acts as a connection point between national and regional climate policy frameworks and local implementation, ensuring that broader policy goals are adapted to the specific needs and capacities of the region. Dedicated KLAR! -managers act as regional focal points for and collaborate with decision makers, local stakeholders and the general public, therefore shaping local climate adaptation activities and the related policy framework.

The high capability to develop or influence climate policies in the region stems first from the national KLAR! programme itself, which provides both financial resources and technical expertise to develop regional and context-specific CCA activities. Furthermore, the KLAR! closely collaborates with scientific institutions, local governments, civil society, and other KLAR! regions, building a large competence network. This enables the KLAR! to elaborate innovative solutions that can inform policy development not only locally but also at the regional and the national levels. Moreover, the organization's participatory planning processes ensure that local knowledge and community priorities are embedded in policy decisions. This bottom-up approach enhances the legitimacy and effectiveness of climate policies and fosters a sense of ownership among residents and stakeholders. KLAR! -managers as dedicated CCA "caretakers" serve as direct contact points for interested parties and closely collaborate with local decision makers to co-



2.2.2 EURAC - KLAR! NATIONALPARKGEMEINDEN OBERES MÖLLTAL (AUSTRIA)

develop, finance and implement solution options, fostering mutual learning and enabling the development of a coherent policy framework at the local and regional level.

The KLAR! National Park Municipalities Upper Mölltal has significant experience in both planning and implementing climate adaptation projects in various fields and in various forms, as described. They are currently in the third stage of the national KLAR! -programme, already having completed the conceptual and the first implementation phase with detailed risk assessments and the design and implementation of 11 concrete adaptation measures. In the current continuation phase, these activities are consolidated and new adaptation measures are designed and implemented. Thereby, an integrative approach is followed by addressing environmental, economic, social and maladaptation aspects through the comprehensive inclusion of relevant local stakeholders.



Figure 2 - Group picture of the exchange in Mölltal (28.04.2025)

2.2.2 EURAC - KLAR! NATIONALPARKGEMEINDEN OBERES MÖLLTAL (AUSTRIA)

DESCRIPTION OF EXCHANGE EXPERIENCE

I. Date of the meeting: 01.04.2025

Venue of the meeting: Brunico/Bruneck, South Tyrol

People involved: Sabine Seidler, Melitta Fitzner (KLAR! -managers Mölltal)

Main topics covered: Focus on the presentation of the Roadmap for climate adaptation in the tourism sector, discussing lacking aspects, the differences and implications of the specific touristic structures and respective responsibilities in the KLAR! region and the Puster Valley, and the challenges of collaborating with non-touristic actors. Ways of integrating the roadmap into existing governance structures were also part of discussions.

Experiences exchanged: Insights into the regional touristic context and the complexities of implementing climate adaptation measures, practical difficulties of fostering cooperation between tourism and non-tourism stakeholders, challenges in identifying all the relevant actors and responsible parties to implement the presented measures.

Emerged ideas/future collaborations initiated: Ideas of how to integrate outcomes of the roadmap in existing governance and touristic structures

Lessons learnt: Importance of tailoring climate adaptation strategies to the specific characteristics of the regional touristic context and the need for respective early and sustained engagement with touristic and non-touristic actors (and especially experiences and ways of HOW to do it), necessity of the definition of mechanisms and especially of identifying responsibilities to implement measures and strategies to integrate these into existing governance systems (insights into the management of KLAR!-measures)



2.2.2 EURAC - KLAR! NATIONALPARKGEMEINDEN OBERES MÖLLTAL (AUSTRIA)

II. Date of the meeting: 28.04.2025

Venue of the meeting: Großkirchheim, Carinthia

People involved: Sabine Seidler, Melitta Fitzer (KLAR! -managers Mölltal), Christian Dullnig (district forestry), Paula Müllmann, Barbara Pucker (National Park Hohe Tauern), Irene Unterkofler (LAG Regional Management Pustertal)

Main topics covered: Presentation of the Roadmap, the respective participatory planning process and an exchange of experiences in the light of a joint planning of a KLAR! tourism event in October 2025 in and with the National Park (who to involve, expected conflicts and how to address them, obstacles and solutions in the conduction of the pilot action). Presentation of the planning process, the detailed structure and the contents of the training on climate resilient reforestation. Discussion of the state of knowledge, the political framework conditions regarding reforestation, and the educational measures conducted with a forest representative of the region. Discussion of experiences made in the co-development and implementation process, obstacles and intervention points for overcoming them in the light of a planned KLAR! forest measure in autumn.

Experiences exchanged: Experiences were exchanged content-wise for both the tourism and the forestry topics to identify common challenges, structural differences and good practices in the management of the respective sectors. The overarching discussions were however focused on the effective and efficient stakeholder engagement in adaptation planning and implementation as well as experienced challenges in the implementation and solution approaches, as the KLAR! had gained many experiences in stakeholder involvement during their planning and implementation activities in the last years.

Emerged ideas/future collaborations initiated: The exchange resulted in concrete ideas – content-related and organizational – for a KLAR! -tourism event in October 2025 and a KLAR! forest measure in autumn. Furthermore, the groundwork was laid for the collaboration in an Interreg-project proposal about the social dimensions of CCA.

Lessons learnt: Different ways of stakeholder integration, the touristic challenges in the National Park-region (also in comparison with the ones in the Puster Valley) and the importance of considering the social dimension in CCA measures. Status quo of and pilot actions on forest management regarding reforestation and the maintenance of the protective function of forests in Carinthia and South Tyrol and mutual consolidation points for respective autonomous actions.

2.2.3 EZA! - ENERGIEWENDE OBERLAND (EWO) (GERMANY)

The civic foundation Energiewende Oberland is a non-profit organization founded in 2005 to promote energy savings, energy efficiency and use of renewable energy. The actions of EWO are targeted to informing citizens, politicians and decision makers about the opportunities of energy efficiency and renewable energy systems and actively support their implementation. EWO develops and runs educational programmes and serves as contact point and counsellor for municipalities, district governments, citizens and energy working groups. EWO runs a network of four administrative districts, 80 municipalities, 21 organisations and 76 companies.

Focused on four administrative districts in Upper Bavaria EWO tries to receive political support through local administrative districts and municipalities and to support sustainability measures in politics, economy and private households. As part of the project KARE, which is funded by the German federal government, EWO established a regional climate adaptation network for municipalities in Upper Bavaria and built a digital information platform focusing on adaptation measures regarding heavy rain events and heat waves.

EWO organizes a climate adaptation network for municipalities in the region of Bavarian Oberland and transfers knowledge on climate adaptation via an online [platform](#) in cooperation with research institutions and further partners in the region.

EWO is leading partner of the project KARE, which aims at developing practical adaptation tools for municipalities in the region and raise awareness of the need for adequate climate adaptation.



2.2.3 EZA! - ENERGIEWENDE OBERLAND (EWO) (GERMANY)

DESCRIPTION OF EXCHANGE EXPERIENCE

I. Date of the meeting: 06.08.2024

Venue of the meeting: EWO, Penzberg

People involved: eza! and 3 EWO staff members

Topics covered: contents of and developments within the projects KARE and ADAPTNOW

Lessons learnt: materials for informing citizens on heavy rain risks and damage prevention, climate adaptation network building

II. Date of meeting: 02.07.2025

Venue of the meeting: online

People involved: eza! and 3 EWO staff members

Topics covered: developments within the project KARE, climate adaptation service developed within ADAPTNOW

Lessons learnt: In general, there is a lack of awareness for the issue of climate adaptation in the region's municipalities. As climate adaptation is perceived as a rather abstract topic, the need to take adaptation action is not anchored in peoples' minds and priority is given to a variety of other urgent issues. Therefore, it is important that regional energy agencies provide information and highlight the (also economic) importance of climate adaptation. This topic must be anchored in individual municipalities, not at the district level.

III. Date of next planned meeting: 25.11.2025

Venue of the meeting: EWO, Penzberg



Figure 3 - Exchange meeting with Energiewende Oberland in August 2024

2.2.4 ENERGAP - RRA PODRAVJE – MARIBOR (SLOVENIA)

Energy and Climate Agency of Podravje (ENERGAP) is publicly owned non-profit energy and climate agency and responsible for the implementation of renewable energy sources (RES), energy efficiency (EE) and climate adaptation and mitigation local policies. It works with Municipality of Maribor (the second biggest in Slovenia) and 20 smaller municipalities in the region. ENERGAP is a regional centre of knowledge and ideas in the field of climate changes and sustainable energy. It supports the introduction of good energy management practices, advocates the concept of sustainability, provides information and guidance, and offers several other local services based on specific local climate and energy needs. ENERGAP acts as a contact point for relations with European networks and institutions as well as an intermediary to local, regional and national players. ENERGAP has 18 years of experiences. It has cooperated in more than 30 EU projects. ENERGAP is also a member of EU network (FEDARENE). In the last 7 years ENERGAP has specialized its work in the field of climate mitigation and adaptation, financing energy projects, using energy services and public private partnerships.

The Regional Development Agency for Podravje - Maribor (RRA Podravje – Maribor) is a regional institution responsible for strategic and developmental projects across 51 municipalities in the broader region. It covers various development areas, including the economy, environment, tourism, startups, research and development, and education. Additionally, it implements numerous national and international projects. In the field of climate change adaptation, the agency is still in the early stages and seeks more information and expertise. Therefore, it has partnered with the ADAPTNOW project.

RRA Podravje – Maribor is regional development agency and is responsible for preparing the Regional development strategies. Climate adaptation and risk mitigation is important part of the development strategies.



2.2.4 ENERGAP - RRA PODRAVJE – MARIBOR (SLOVENIA)

ENERGAP is regional energy and climate agency. It is responsible for preparation of local energy and climate strategies and action plans. It is responsible for coordinating their implementation and report to municipal councils about the implementation. ENERGAP is also professional institutions with the knowledge about climate risk and vulnerability. It has prepared Regional risk and vulnerability study.

ENERGAP has prepared Regional risk and vulnerability study together with different experts in the field. ENERGAP has cooperated in projects related to climate adaptation like:

- Ready4heat – preparation of the heat protection action plans
<https://www.interreg-central.eu/projects/ready4heat/>
- Climatefit - financing of climate actions
<https://climatefit-heu.eu/>
- Mountadapt – adaptation actions in health care in mountain areas in EU
<https://mountadapt.eu/>
- DECA – delivering effective Climate actions:
<https://www.interregeurope.eu/deca>
- Remarkable – climate leaders for carbon neutrality
<https://climateleaders.eu/>
- Empower



DESCRIPTION OF EXCHANGE EXPERIENCE

Following an initial meeting where ENERGAP presented the project and the agency outlined its goals; they held multiple follow-up meetings and jointly set activities aimed at developing effective action plans for climate adaptation in the region's municipalities. The RRA Podravje invited ENERGAP to collaborate on developing and testing vulnerability and risk assessment tools for the region within the Interreg Central Europe Mission CE Climate project. The RRA Podravje also provided feedback on the Vulnerability and Risk Assessment Study for the Podravje region, prepared by ENERGAP. Additionally, the RRA Podravje invited us to participate in the Interreg Europe ClimateGO project, which focuses on monitoring best practices in climate change adaptation. Together, they organized an event where ENERGAP introduced municipalities to potential funding sources for adaptation measures, the preparation of climate resilience studies in line with the EU taxonomy, and a green roof project for bus stops. ENERGAP invited the RRA Podravje to collaborate on developing an action plan to mitigate the negative impacts of heat waves in the Municipality of Maribor. The document was approved by the Maribor City Council, and they will continue working together on urban greening projects in Maribor. They regularly meet to exchange information and knowledge, develop adaptation measures, and prepare educational materials for municipalities in the region.

ENERGAP had several meetings with RRA Podravje:

- I. 07.10.2024** (2 persons involved),
- II. 21.10.2024** (3 persons involved),
- III. 06.11.2024** (2 persons involved),
- IV. 21.11.2024** (5 persons involved),
- V. 03.12.2024** (27 persons involved),
- VI. 24.1.2025** (4 persons involved),
- VII. 14.03.2025** (2 persons involved).

Venue of the meetings: RRA Podravje – Maribor, Pobreška cesta 20, Maribor and ENERGAP, Smetanova 31, Maribor

The main contact person at RRA Podravje – Maribor is Mrs. Tanja Senekovič.

2.2.4 ENERGAP - RRA PODRAVJE – MARIBOR (SLOVENIA)

Topics covered:

- Collaboration on Climate Change Adaptation;
- Cooperation within the region and also wider;
- Urban Heatwave Mitigation in Maribor;
- Development of Climate Strategy adaptation and Action Plans for Adaptation;
- Regular meetings are held to share information, develop adaptation measures, and create educational materials for municipalities.

Lessons learnt:

- Collaboration with regional partners is crucial for knowledge and information exchange.
- Both partners can gain even more expertise and insights by working together, as they participate in different adaptation-related projects.
- Cooperation also fosters stakeholder engagement within both agencies, strengthening the impact and reach of activities.



Figure 4 - 5 - Representatives of municipalities at the event organized by ENERGAP and RRA Podravje

2.2.5 AURA-EE - COMMUNAUTE DE COMMUNES DES BARONNIES EN DROME PROVENÇALE (CCBDP) (FRANCE)

AURA-EE is the regional energy and environment agency of Auvergne-Rhône-Alpes in France.

A preferred operator of the Region, a partner of national energy agency ADEME and numerous regional and local stakeholders, the Auvergne-Rhône-Alpes Energy and Environment Agency (AURA-EE) leverages regional energy and environmental policies to support local areas, helping them define and implement local transition solutions and strategies. AURA-EE is recognized in areas as diverse as renewable energy, energy efficiency in buildings, adaptation to climate change, sustainable mobility, waste, sustainable public procurement, new economic models, and societal innovation. Founded in 1978, it has nearly 40 employees, 85 members, and leads or supports more than 70 projects each year. AURA-EE is a member of the Network of Regional Energy and Environment Agencies (RARE) and the European Federation of Agencies and Regions for Energy and the Environment (FEDARENE).

More information: <http://www.auvergnerhonealpes-ee.fr>

The Baronnies community of communes in Drôme Provençale is a French community of communes, located in the Drôme department in the Auvergne-Rhône-Alpes region.

The community comprises 67 municipalities and 21,000 inhabitants in Drôme Provençale. A land of lavender and olive trees, it is located in the heart of the Baronnies Provençales Regional Natural Park. It is a vast and sparsely populated territory, marked by a high proportion of second homes (31% of the housing stock) and by its aging population (40% of residents are over 60). Its economic activity is concentrated around agriculture, crafts, and tourism, which was the subject of a development strategy in 2018.



2.2.5 AURA-EE - COMMUNAUTE DE COMMUNES DES BARONNIES EN DROME PROVENÇALE (CCBDP) (FRANCE)

The Baronnie community of communes in Drôme Provençale is supporting the energy renovation of housing through aid worth €122,000. It has conducted a study with the regional natural park and the Sisteronais Buëch community of communes on the renewable energy potential of the territory. It maintains and marks out a network of 1,800 kilometres of hiking and mountain biking trails; building on the success of the Au fil de l'Eygues gentle path, the community is considering the development of other infrastructures of this type. The territory includes 5 sensitive natural areas and the Natura 2000 zone of the Baronnie-gorges de l'Eygues. All these actions are part of its climate plan and the community is now developing a strategy for adapting to climate change. To this end, it has drawn up an analysis of the territory's vulnerability and included in its action plan the awareness of local stakeholders on adaptation to climate change with the support of the ClimaSTORY tool.

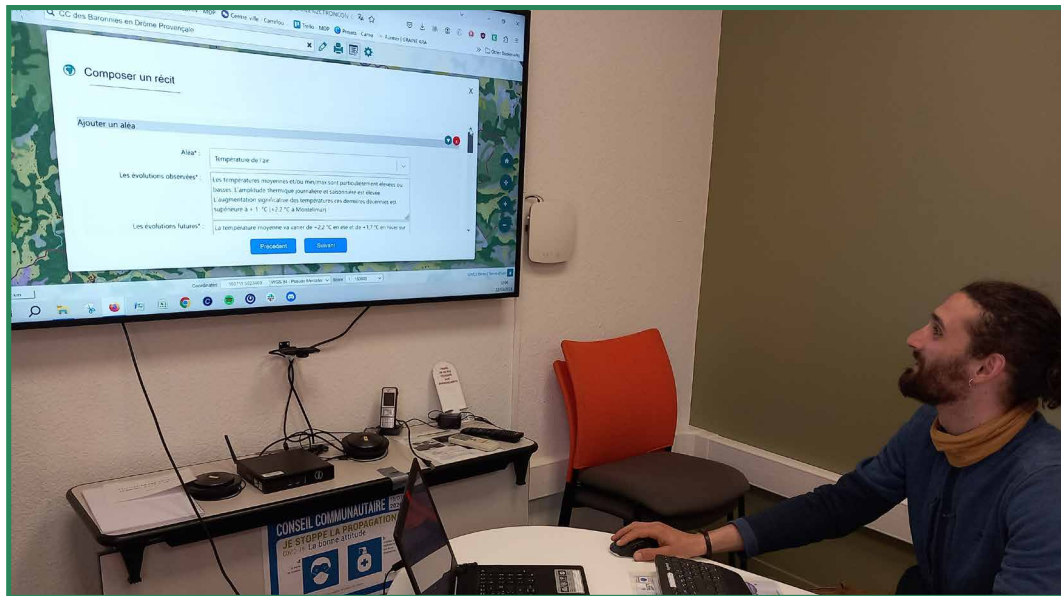


Figure 6 - Preparation of the martyr tools (22.03.2024)



Figure 7 - Construction session (18.06.2024)

2.2.5 AURA-EE - COMMUNAUTE DE COMMUNES DES BARONNIES EN DROME PROVENÇALE (CCBDP) (FRANCE)

DESCRIPTION OF EXCHANGE EXPERIENCE

The idea behind this exchange was to share with the Baronnies community of communes the conclusions of the meetings and evaluations conducted with Grenoble Alpes Métropole on participatory tools for engaging citizens in the communes, and the experience of co-developing the ClimaSTORY tools for the real territories of the Chamonix Mont-Blanc Valley and Le Puy-en-Velay.

AURA-EE coached a ClimaSTORY facilitator with whom the community of communes works. Three organizations led the co-development of the ClimaSTORY tools for the Baronnies in Drôme Provençale :

- I. preparation of the martyr tools (22.03.2024),**
- II. facilitation of a co-construction session (18.06.2024),**
- III. testing in a ClimaSTORY® facilitation session (01.10.2024).**

This required three meetings and involved a broader group of local stakeholders. In addition to the support provided, our three organizations have developed skills, and the support is well-received by local stakeholders. These exchange permit to experiment the dissemination of the climaSTORY Experience on real territory and to imagine better our climat service (training session).

The Baronnies community of communes in Drôme Provençale participated in tow regional meetings, which touched each more than 100 or 120 people from the regional territory, (October the 17th 2024 and March the 13th 2025) - Their intervention topic covered: how to mobilize stakeholders in a systemic reflection on adaptation to climate change.



2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

UNCEM Piemonte (“Unione Nazionale Comuni Comunità Enti Montani” as per Italian) is the Italian promoting organisation supporting iisBE Italia R&D in fostering climate adaption measures and actions in the Alps. The acronym stands for National Union of Mountain Communities and in particular is the Piedmonts’ delegation which expressed its interest in participating in a joint exchange. UNCEM Piemonte represents the local mountain authorities of the Piedmont Region at the competent institutions, with the aim of promoting the development and enhancement of the territories and their communities. It is responsible for coordinating the activities of local mountain authorities, promoting initiatives for the development of mountain areas and representing the interests of mountain municipalities, mountain communities and unions of mountain municipalities at regional level.



Figure 8 - Logo of UNCEM

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

UNCEM Piedmont carries out different activities, including:

- Representation of local mountain authorities at regional and national institutions for the protection of their interests and for the promotion of measures that concern them.
- Coordination of the activities of local mountain authorities, promoting collaboration and exchange of experiences between them.
- Development and promotion of initiatives for the economic, social and cultural development of mountain areas, with a focus on the enhancement of local resources, climate adaptation and mitigation, and environmental protection.
- Assistance and technical support and advice to local mountain authorities for the management of projects and for access to regional and national funding.
- It disseminates information on the activities of UNCEM Piedmont and on issues related to the mountains through its website and other communication channels.
- It organizes training courses and seminars for administrators and employees of local mountain authorities on topics of specific interest. Concerning the training activities, UNCEM Piemonte and iisBE Italia have organized on June 23rd, 2025, a seminar entitled “Climate Adaptation and Urban Planning: the ADAPTNOW project as precursor of change” for sharing and discuss on climate risk analysis and about the integration of climate adaptation into urban planning instruments and policies. This event has allowed more than 60 stakeholders to learn more about the key topic represented by climate change. The link to the recording of the seminar is available below: <https://youtu.be/Mhc2bNzK4Ws>

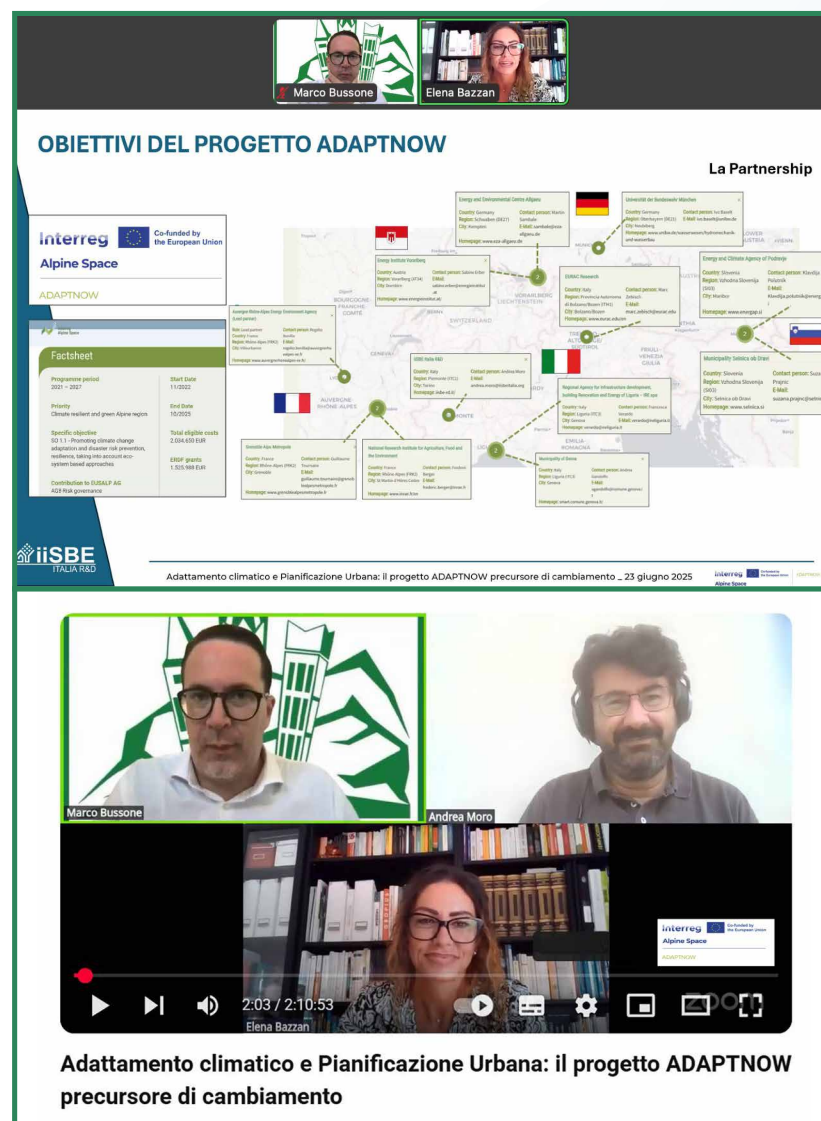


Figure 9 and 10 - Screenshots saved during the seminar organized by iisBE Italia and UNCEM on Climate Change Adaptation and Urban Planning

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

In summary, UNCEM Piemonte is an organization that plays a fundamental role in supporting and promoting the development of the mountain areas of Piedmont, encouraging collaboration between local authorities and representing their interests to the institutions.

As mentioned above, UNCEM Piemonte represents the local mountain authorities of the Piedmont Region at the competent institutions, with the aim of promoting the development and enhancement of the territories and their communities. It is responsible for coordinating the activities of local mountain authorities, also through the promotion and development of initiatives related to climate change adaptation and mitigation. Synergies activated by UNCEM Piemonte at Regional level allow to play a key role in policies related to climate change analysis.

UNCEM Piedmont is actively involved in the management of the challenges represented by climate change, in particular, regarding agriculture and water management, recognizing that climate change is a reality that requires adaptation and concrete actions, especially for mountain communities that are particularly vulnerable. In relation to climate change, UNCEM Piemonte is committed to:

- Develop strategies and solutions to address the impacts of climate change on mountain communities and agriculture.
- Promote efficient and sustainable use of water and other natural resources in mountain areas.
- Participate in research and innovation projects to address the challenges of climate change.
- Engage the community and work closely with local communities to find solutions that fit their specific needs.

Synergies activated with iiSBE Italia R&D in the context of ADAPTNOW project helped in reaching different directorates of the Piedmont Region (Environment, Energy and Territory, Strategic Environmental Assessment, Health, Sustainable Development and Climate Change), which greatly influence the climate policies in the region.

UNCEM Piemonte emphasizes the importance of optimizing available water resources and addressing the challenges posed by the ecological and energy crisis, such as the “irrigation challenge,” by optimizing water management in agriculture. It actively participates in European projects such as “MountResilience” that aim to improve the management of water resources in mountain areas, adapting to ongoing climate change. The project, which has a duration of 54 months, focuses on optimising water use in agriculture and strengthening the link between water production and consumption.

UNCEM Piemonte participates also in the European project HORIZON-MISS-2022-CLIMA-01-06, which addresses the issue of climate adaptation in the mountains and the resilience of local communities.

These projects demonstrate UNCEM’s commitment to promoting adaptation to climate change, particularly in mountain areas, through initiatives involving agriculture, urban planning and sustainable construction.

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

DESCRIPTION OF EXCHANGE EXPERIENCE

The climate service developed by iisBE in the context of ADAPTNOW, namely, the “development of a climate resilient urban plan for the Municipality of Chivasso” has been presented to UNCEM Piemonte and has allowed to disseminate the approach adopted for the Municipality of Chivasso also to other municipalities. Furthermore Chivasso, on December 14th, 2024, has received the “Virtuous Municipalities 2024” Italian national award for the introduction in the General Urban Plan of an innovative methodology for adaptation to climate change elaborated by iisBE Italia R&D, in the context of ADAPTNOW EU project. The prize has ensured visibility and has facilitated the dissemination of the approach among interested municipalities, ensuring an easy promotion of the climate service within the territory.

Indeed, the replication programme has been performed towards 2 municipalities in Piedmont Region: the Municipality of Leinì and the Municipality of Venaria Reale.

Replication programme within the Municipality of Leinì.

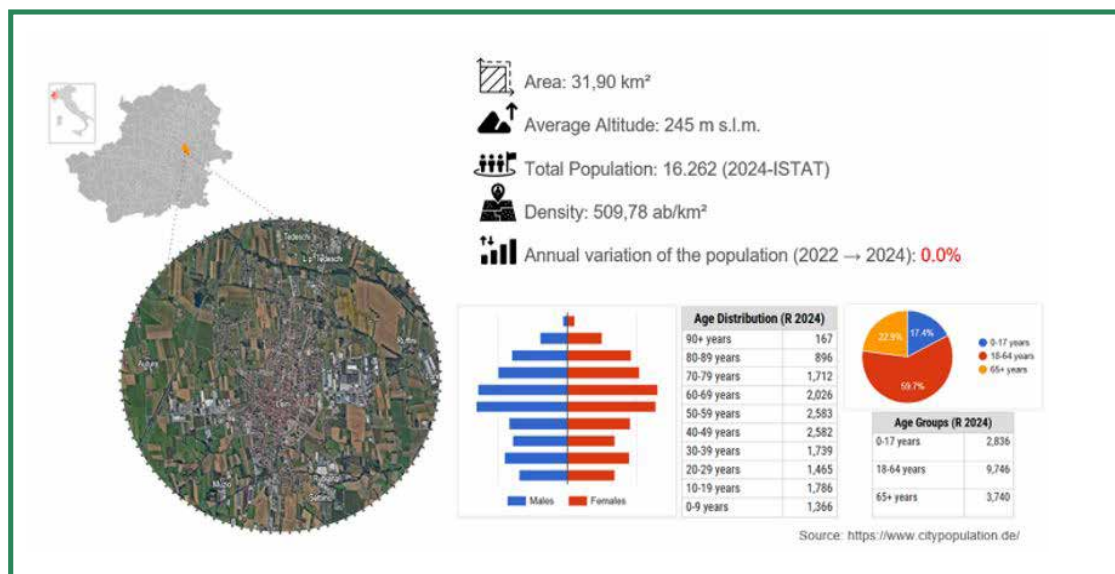


Figure 11 - Geographical information about the Municipality of Leinì



Figure 12 - Exchange session with the stakeholders of Leinì to replicate the program

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

I. Date of the meeting: 25.02.2025

Venue of the meeting: at the Energy Center (iiSBE's office) Turin, IT.

People involved: iiSBE Team and the responsible of the "town planning office" for the Master Plan review

Topics covered: during the meeting, iiSBE has showed the work carried out with the Municipality of Chivasso in relation to the elaboration of the methodology that allows to develop a climate risk map highlighting the urban areas with the greatest vulnerability, with respect to which it is possible to plan adaptation strategies to prevent/limit the risks related to climate change. The method foresees the application of quantitative indicators, selected on the basis of the climate risk considered, allowing to tangibly assess the benefits of the adaptation measures introduced in the micro-urban area and their monitoring over time.



II. Date of the meeting: 10.03.2025

Venue of the meeting: at the mayor office, Leinì, IT.

People involved: iiSBE Team, the Mayor of Leinì, the responsible of the "town planning office" for the Master Plan review and the head of the spatial urban planning in Leinì.

Topics covered: during the meeting, iiSBE showed to all the participants the work carried out with the Municipality of Chivasso in ADAPTNOW. Furthermore, some key questions to the "Capacity to Act" of the municipality in relation to different issues (energy, ecology, real estate, economy, social aspect, etc.), have been asked.

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

Replication programme within the Municipality of Venaria Reale

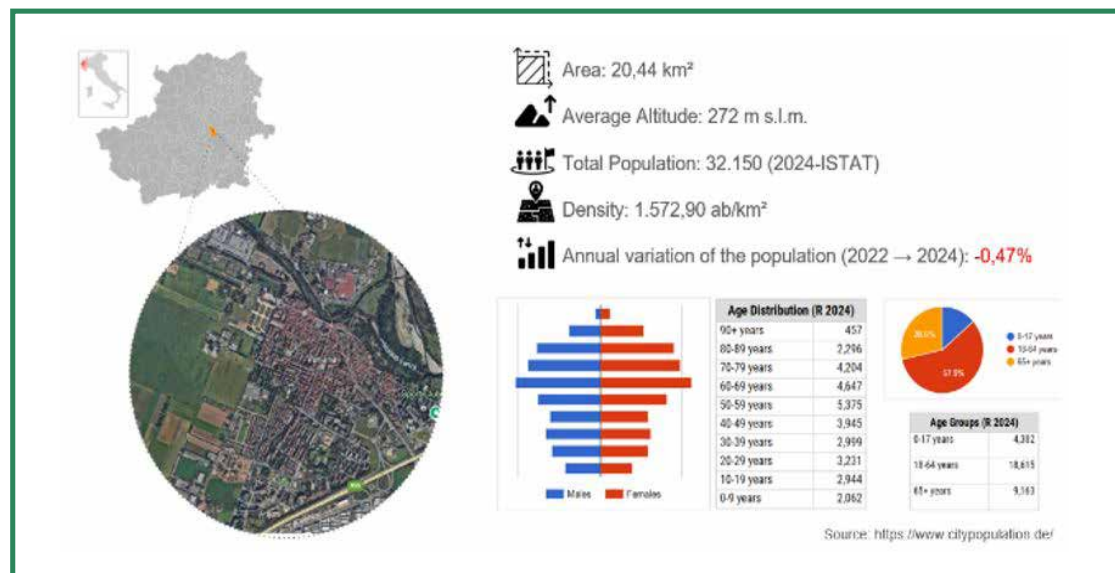


Figure 13 - Geographical information about the Municipality of Venaria Reale

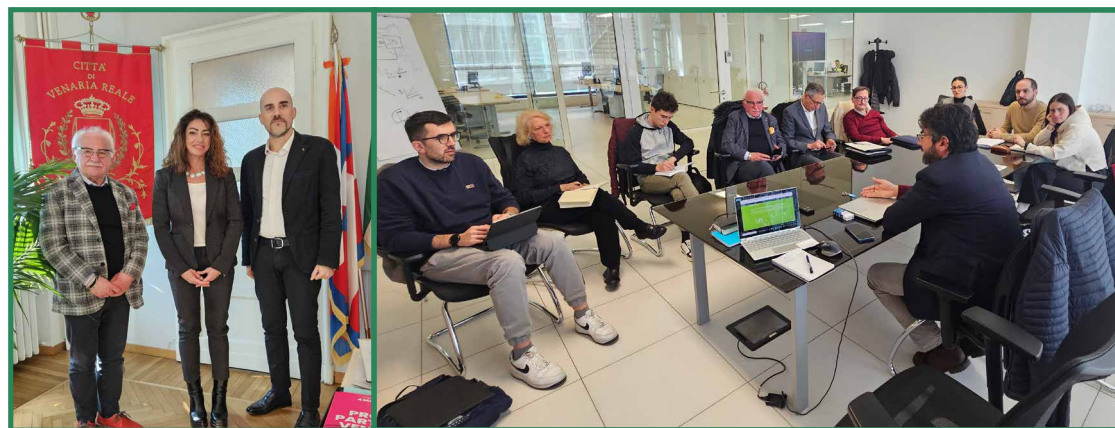


Figure 14 - Photos from the meetings held with the stakeholders of Venaria to replicate the program

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

III. Date of the meeting: 12.03.2025

Venue of the meeting: at the Energy Center (iiSBE's office) Turin, IT.

People involved: iiSBE Team, professionals working in the Municipality of Venaria and the professionals of the Architectural Firm responsible of the Master Plan review.

Topics covered: during the meeting, iiSBE has showed the work carried out with the Municipality of Chivasso in ADAPTNOW.

IV. Date of the meeting: 24.03.2025

Venue of the meeting: at the Energy Center (iiSBE's office) Turin, IT.

People involved: iiSBE Team and the professionals of the Architectural Firm responsible of the Master Plan review.

Topics covered: in order to replicate the climate service developed for the Municipality of Chivasso also in the context of Venaria Reale, the meeting was focused on the collection of the practical materials essential to perform the calculation in Venaria.

V. Date of the meeting: 28.03.2025

Venue of the meeting: at the mayor office, Venaria Reale, IT.

People involved: iiSBE Team, the Mayor of Venaria Reale, the Councilor.

Topics covered: during the meeting, iiSBE showed to all the participants the work carried out with the Municipality of Chivasso in ADAPTNOW. Furthermore, some key questions to the "Capacity to Act" of the municipality in relation to different issues (energy, ecology, real estate, economy, social aspect, etc.), have been asked.

Lessons learned and future collaborative actions: the Replication programme has been very successful because of the interest expressed by other municipalities in applying the service within their territories.

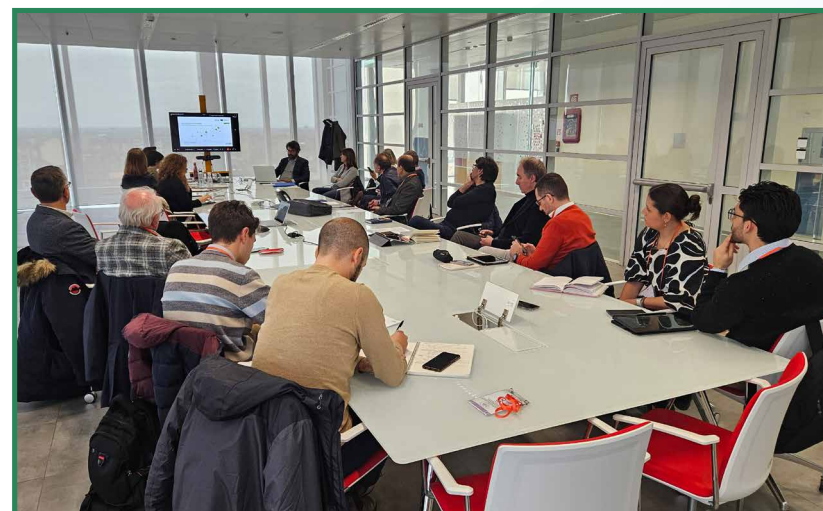


Figure 15 - Participatory session with the stakeholders of the municipalities involved, held at the Piedmont Region



Figure 16 - iiSBE Italia illustrates the methodology for developing risk maps

2.2.6 IISBE ITALIA - UNCEM PIEMONTE (ITALY)

iiSBE has promoted the service also at regional level, on March 18th, 2025, at the Piedmont Region headquarters, illustrating to the several stakeholders involved, the methodological approach developed for the elaboration of the climate risk map of Chivasso. The event was attended by many regional bodies, including the Piedmont Region Environment, Energy and Territory Directorate, ARPA, the Local Health Authority and also some neighboring municipalities. These last are the Municipality of Gassino Torinese and the Municipality of Abano Terme, in Veneto Region, and with them another replication programme started in the context of another EU Project focused on climate adaptation in which iiSBE Italia R&D is partner, namely, is the Central Europe project “SuPerBE” <https://www.interreg-central.eu/projects/superbe/>.

The successful implementation of the Replication programme relies both on the interest of other Italian municipalities (not only in the Piedmont area) in replicating the climate service developed in ADAPTNOW by iiSBE Italia and on the valuable opportunity to continue the implementation of the service in another EU project focused on climate adaptation.



2.2.7 IRE - ANCI LIGURIA (ITALY)

ANCI Liguria is the association representing all Municipalities, Ligurian Provinces, and the Metropolitan City of Genoa. ANCI Liguria was founded in 1978 as the Regional Association of Ligurian Municipalities, the regional chapter of the National Association of Italian Municipalities, active since 1901.

The mission of ANCI Liguria is to represent and safeguard the interests of local governments, liaising with Parliament, the Government, the Regions, the Italian public sector, and European Union bodies.

ANCI Liguria's activities translate into a genuine trade union function for its members. At every level, the Association plays a fundamental role, supporting, including through technical assistance, the entities required to fulfil the obligations imposed by current regulations.

At the same time, ANCI Liguria assists and supports them in discussions with state, regional, and other authorities, defending their claims.

They are a support organization facilitating the deployment of climate adaptation and risk mitigation projects also through its own specific thematic commission dedicated to the environment and thanks to the development of European projects focused on these themes.

For several years ANCI has been actively participating in EUSALP policies: it is in fact co – leader of the action group 7 - GREEN INFRASTRUCTURE and member in the Actions groups 3 - LABOUR MARKET, EDUCATION AND TRAINING, 5 - CONNECTIVITY AND ACCESSIBILITY, 6 – RESOURCES, 8 - RISK GOVERNANCE.

ANCI is therefore able to make its international experience available to Ligurian municipalities, supporting them in developing strategies for adapting to climate change and managing risks, primarily related to forest fires and floods.



Figures 17 - Logo of Anci Liguria

2.2.7 IRE - ANCI LIGURIA (ITALY)

DESCRIPTION OF EXCHANGE EXPERIENCE

I. Date of the meeting: 24.02.2025

Venue of the meeting: ANCI office Genoa, IT.

People involved: Francesca Verardo and Pietro Pera from IRE and Annalisa Cevasco and from ANCI

Topics covered: the meeting was an opportunity to discuss the topic of the ability of municipalities to deal with climate change. ANCI experience has been a starting point to to discuss the general situation of municipalities, identifying good management practices and lacks. It was also an opportunity to illustrate the pilot experience carried out by the municipality of Genoa and the service that IRE is developing for ADAPTNOW. IRE and ANCI talked about how to reach a greater number of people through our questionnaire and also about the possibility of extending the questionnaire to other areas of our region.

Lessons learnt: although the topic of climate change and the management of its impacts on the territory is of great relevance for municipalities, the administrations, especially the smaller ones, often have great difficulty in developing concrete strategies and producing management plans.

Future collaborative actions: After this meeting, further contacts followed, which led to the start of a fruitful collaboration between IRE and ANCI, especially for the development of further project ideas in the framework of European programming.



3

CONCLUSIONS

The impacts of Climate Change on the Alpine territory are faster and more intense than in other EU regions. The Alps, in fact, are considered among the areas most vulnerable to climate change in Europe, recording impacts twice as high as the average.

Although global and national climate change projections have been developed, and vulnerability analyses and adaptation strategies have been conducted in several Countries, the information needed to assess the impacts of climate change at the regional level is not always sufficient. As a result, developing urban adaptation strategies at the local level becomes complex.

Small municipalities, in particular lack the scientific and technical knowledge, as well as the skills necessary to carry out these tasks. Local Authorities therefore need appropriate frameworks and tools to support them in making more informed decision-making.

In this context, the exchange of experiences between the 7 selected promoting organizations and the ADAPTNOW project partners played a significant role, enabling the sharing of results of the pilot actions and climate services developed within the project with external organizations, and providing them with useful tools that could contribute to strengthening their capacities in risk management and climate adaptation.

The project activity related to experience exchange has been very interesting to both the partners and the promoting organizations involved. EURAC, which was not initially included among the partners involved in this activity, participated to meet the needs of its local community to further explore the project's results. In the Turin area, ISBEE also involved a greater number of Municipalities than foreseen in the exchange activity.

In many cases, the exchange of experiences also provided an opportunity to share experiences and results from other European projects, strengthening networks and making efforts more effective. Overall, this activity also led to the launch of new collaborations that will lead to further exploration of risk management and climate change adaptation, also through funds made available by European funding programmes.

This activity highlighted the territories' genuine interest in strengthening their capacity to address climate change. Adaptation to climate change is, in fact, a complex process that requires an integrated, participatory approach based on knowledge of local circumstances. Local communities have a crucial role to play in this process, leveraging their proximity to communities and their flexibility to implement concrete and sustainable actions.

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