

ADAPTNOW

Deliverable number D.T.2.3

PLAN FOR INTRODUCING CLIMATE SERVICES

Log of services developed by PPs and actions planned and implemented to develop, implement and promote new services.

Activity A.2.3: Implementation and Promotion of Climate Support Services

Climate support services will be implemented according to the plans and promoted to other local public authorities within the targeted region during at least one regional event.

New services will be tested during the pilot activities in AT2.2.

One promotional activity will be undertaken by each support organization to raise awareness of local municipalities in their region.

Contribution of all PPs.

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DOCUM ENT CONTROL SHEET

| Project reference | |
|---------------------------|---|
| Full title of the project | ADAPTation Capacity Strengthening for Highly Affected and Exposed Territories in the Alps NOW |
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| Project coordinator | AURA-EE |

Short Description

ADAPTNOW will work on strengthening the adaptive capacity of HAET by implementing and evaluating the available climate adaptation and risk mitigation management tools and practices, assessing the Climate Adaptation Plans and developing Climate Services to support the territories and their local public authorities. Ultimately, ADAPTNOW aims at making risk and adaptation planning more integrated, collaborative and inclusive. This will be reached through a more dynamic, agile and participatory planning process in which all local stakeholders need to be involved.

| Document Details | |
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| Title of document | Project Master Document |
| Action | AT.2.3 Designing regional climate support services |
| Deliverable | D.2.3 Plan for introducing climate services |
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EIV

PROJECT LEAD PARTNER

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ABBREVIATIONS

CA: Climate Adaptation

CSS: Climate Support Service

LP: Lead partner

PL: Pilot

PP: Partner

RP: Reporting Period

RM: Risk mitigation

TT: target territory

WP: Working Package

WPL: WP leader

INTRODUCTION

As stated in the project proposal, the objective of this deliverable (D2.3) is to show the plans of the partners about the services they will implement.

Drawing on pilot actions and increased knowledge (T1), the regional support organizations will develop Climate Services to support public authorities. These Services will deal with capacity building, data sharing, financing and risks and awareness raising.

Climate support services will be implemented according to the plans and promoted to other local public authorities within the targeted region during at least one regional event.

WPL has provided an Excel template as overview and organized a webinar in June 2024 to share the plans among PPs. For this meeting all partners prepared a Power Point Presentation about their services. A similar structure of the contributions for this report was achieved with questions in the PPP.

PP 1, 2, 3, 6, 7, 8, and 9 are developing services with support of local partners and with contribution of all PPs.

OVERVIEW

| 1 Active | Auvergne-Rhône-Alpes Energy Environment Agency France (FR) |
|-----------|---|
| 2 Active | Regional Agency for Infrastructure development, building Renovation and Energy of Liguria – IRE spa |
| 3 Active | EURAC Research Italia (IT) EURAC Research PP |
| 4 Active | National Research Institute for Agriculture, Food and the Environment France (FR) INRAE PP |
| 5 Active | Universität der Bundeswehr München Deutschland |
| 6 Active | iiSBE Italia R&D Italia (IT) iiSBE PP |
| 7 Active | Energy and Environmental Centre Allgaeu Deutschland EZA! PP |
| 8 Active | Energy Institute Vorarlberg (AT) |
| 9 Active | Energy Agency of Podravje – Institution for Sustainable Energy Use Slovenija (SI) ENERGAP PP |
| 10 Active | Municipality of Genoa Italia (IT) CDG PP |

REPORT ABOUT SERVICES

1. Auvergne-Rhône-Alpes

SERVICE 1

Name of the Service: TerriSTORY®RE
Coordinator of the Service: Valentine Vaudey

Beneficiary of the Service: Local and regional authorities

Areas of application of the Service: Regional area

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

- data sharing
- · awareness raising

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

- geographical distribution of forest species
- · map of potential of species regarding climate change
- fire risk

OVERVIEW OF THE SERVICE:

TerriSTORY® is a vast compilation of territorial indicators covering a wide range of subjects for territories in transition: Energy production and consumption. Greenhouse gas emissions (GHG), Mobility, Airborne Pollutants, Carbon Sequestration, Economy and Society, Climate

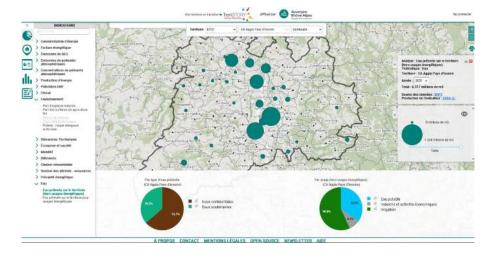
First action: Creation of indicators on the distribution of forest species

PROCESS OF IMPLEMENTATION:

- Step 1: analysis and processing of data on present and future distribution of forest species
- Step 2: integration into Terristory of forest species distribution data with regard to climate change scenarios (GIEC)

PUBLICATION

Indicator available on the Terristory website for each Alpine territory



SERVICE 2

Name of the Service: Coordinator of the Service: Laurence Monnet

Beneficiary of the Service: Local and regional authorities

Areas of application of the Service: National area

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

The objective of ADAPTNOW's work on ClimaSTORY® is to identify, adjust, test and make

- an update version of ClimaSTORY; intregrate knowledge of human factors
- The awareness-raising tool is updated to a decision-making tool
- A new version of ClimaSTORY on real territories

Partnership:

- Grenoble Alpes Métropole, Val&Monti (Claire Simon).
- Baronnies en Drôme Provençales territory, ClimaSTORY facilitator of a local social center « Carrefour des habitants » (Tobias Sanchez)

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

Awareness rising for effects of Climate Change in Agriculture and Forestry, Industry, Tourism, Trade and Crafts, Safety and Health, Planning, Management of resources and biodiversity.

OVERVIEW OF THE SERVICE:

AURA-EE is building a digital platform and dedicated training course to help ClimaSTORY® facilitators synthesize the vulnerability diagnosis and produce ClimaSTORY tools of a real territory. Then could they animate debate with stakeholders on a storyline showcasing their own territory. There is also an update in the facilitators training on engagement and Partnership with local sustainability agency to train facilitators. So far 75 facilitators and more than 700 participants are working with the ClimaStory. French and English version available.

FIRST ACTION

From awareness-raising tool to a decision-making tool AURA-EE is building a digital platform and dedicated training course to help ClimaSTORY® facilitators synthesize the vulnerability diagnosis and write a debate storyline showcasing their own territory.

IMPLEMENTATION OF THE SERVICE:

Experimentation in the territory of Baronnies en Drôme Provençale in 2024

- Step 1: Host ClimaSTORY around the fictional territory map
- Step 2: co-construction of the map and the story of the real territory synthesis of vulnerability diagnosis (18th june 2024)
- Step 3: Host ClimaSTORY around the Real Territory Map (1st October 2024)
- Longer-term perspectives, aimed at activating the resilience of the territory

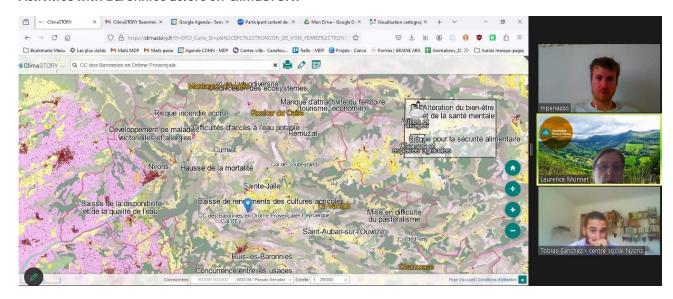
PUBLICATION:

Discover more here: https://en.auvergnerhonealpes-ee.fr/projects/project/climastory





Activities with Baronnies' actors on ClimaSTORY®



2. Municipality of Genoa

SERVICE 1

Name of the Service: Risk perception questionnaire

Coordinator of the Service: IRE

Beneficiary of the Service: Citizens and stakeholder
Areas of application of the Service: Municipality of Genoa

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

Risks & awareness raising

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

Hazards: Heat and cold waves, sea storms, windstorms.

Sectors: Tourism, health, urban infrastructure.

BENEFICIARY OF THE SERVICE

The beneficiaries of the service will be citizens, stakeholders, and the Municipality of Genoa. Citizens will benefit from more accurate and targetedrisk assessments, enhancing their safety and preparedness for potential risks. Stakeholders will gain insights into the perceived versus actual risks, enabling them to make informed decisions and contribute effectively to risk management strategies. The Municipality of Genoa will benefit from improved risk maps and stakeholder engagement, leading to more effective and targeted actions in terms of risk prevention and communication.

FIRST ACTION

The first action will be to review and reshape the existing questionnaire owned by the Municipality of Genoa, that nowadays include all risks for the territory of Genoa. This process will involve representatives from the Municipality, key stakeholders from various sectors, and project team members. Together, they will examine the questionnaire to identify areas for improvement and adapt it to the three specific risks covered by the pilot project. Opinions and suggestions will be collected to ensure that the new questionnaire is more inclusive and representative of different needs and perspectives. This will enable the project to start with a solid and shared foundation.

PROCESS OF IMPLEMENTING

To implement the service, we will follow these steps:

- Initial Planning: Review the existing questionnaire from the Municipality of Genoa and identify key stakeholders and project team members.
- Questionnaire Reshaping: Collaborate with stakeholders to improve the questionnaire, ensuring it addresses the three specific risks and represents diverse perspectives.
- Data Collection: Collecting responses using both digital and traditional methods.
- Risk Analysis: : Analyze collected data in order to compare actual and perceived risks, identifying discrepancies.
- Reporting and Recommendations: Compile findings into a report, providing actionable recommendations to address gaps.
- Implementation: Work with the Municipality and stakeholders to implement actions based on recommendations, ensuring continuous feedback and improvement.
- Final Evaluation: Assess the overall impact and document lessons learned for future projects.

PUBLICATION

Website integration: coordinate with Genoa Municipality for user friendly questionnaire integration.

3. Autonomous Province of Bolzano

SERVICE 1

Name of the Service:

Coordinator of the Service: EURAC Research

Beneficiary of the Service: Forest department of the Autonomous Province of Bolzano, Forest

owners

Areas of application of the Service: Regional area

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

- Capacity building: The main target of the workshop is to enhance knowledge and capacities of the local foresters about climate-resilient reforestation- and afforestation techniques. Through the focus on a decision chain and therefore on the process for planning and implementing the planting of adapted tree species, this knowledge can be scaled up further and applied in different parts of the region. The capacity building of all foresters of the Autonomous Province of Bolzano, meaning also outside of the pilot area, is the main goal of the service.
- Risks & awareness raising: The contents of the Workshop in the pilot region contained a part about
 the most relevant climate risks for the sector and respective adaptation necessities. These results
 shall be adapted to a wider context in order to make them applicable to the provincial level.

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

- The affected sector is the forestry sector of the autonomous province of Bolzano, which is organized
 in several local forest inspectorates. By scaling the results, not only the pilot area will benefit from
 the training, but rather all forest inspectorates with their respective peculiarities.
- The Service will address the most common hazards for forest ecosystems. These are mainly related to the temperature increase and its implications on extreme weather events:
 - Temperature increase: the temperature increase opens a gap between the optimal forest growth conditions and the (current) tree species composition. Due to the persistence of trees planted today, also the future climatic conditions must be taken into account when choosing the respective tree species in order to avoid vulnerable forest ecosystems with non-site adapted tree species.
 - Cravitational hazards, heavy precipitation, drought periods: similar to the described temperature increase, will gravitational hazards, heavy precipitation and drought periods affect future forest ecosystems. Especially the intensity of such events might increase significantly during the middle/end of the century, which again corresponds to the average lifetime of trees planted today. Considering also indirect hazards such as biotic damage, which are favored by the occurrence of the described hazards, it is more important than ever to proactively consider them in the desired tree species composition and to create resilient, diversely structured forest ecosystems.

OVERVIEW OF THE SERVICE

The results of the workshop in the pilot area, which is focusing on climate resilient reforestation (our CA tool, containing a theoretical and practical part), shall be scaled up in order to enhance knowledge and awareness for all provincial foresters and therefore indirectly for forest owners, who are the core actors when it comes to afforestation/reforestation actions. The detailed process of the upscaling has still to be designed after the conduction of the CA tool, as only then it will become clear, which exact elements are suitable to be replicated to a provincial level and which need to be modifyed. The main pillars, which address both the capacity building of local and provincial decision makers and other stakeholders as well as the application of the contents in a wider context, are expected to be the following:

- Integration of the direct, locally specific results in existing informational events at municipal level, which are conducted annually over the whole area of the pilot region, to raise awareness for local authorities and forest owners, the core target groups of these events
- Development of training materials, which are expected to consist of a general part about climatic
 developments and climate risks, as well as of results from the workshop (in the form of decision
 chains for foresters, which makes it applicable even under different circumstances), and of a practical
 guideline for the direct replication of the workshop on the provincial level. In the context of this, an
 informational event with public authorities, also including ones from different political sectors, is
 foreseen.

BENEFICIARY OF THE SERVICE

Beneficiaries of the service are the foresters of the Province of Bolzano, which shall be equipped with (theoretical and practical) skills about deciding if and which forest-related action to take in view of climatic changes and about reforestation techniques with site-specific, climate adapted tree species. The elaborated materials could in due course also serve as a direct input for the forest training courses, which take place every couple of years and aim at training new foresters, enabling therefore a fundamental integration of climate-change-related decision making in forest management (although this is outside of the direct scope of the Service as the next education of new foresters is only to take place within the next few years).

Foresters serve as primary contact persons for forest owners when it comes to permissions and inquiries about forest management. The foresters therefore represent important multipliers and enable to reach the forest owners of the province, a very fragmented group without any kind of umbrella association, which would make it hard to directly train them about climate-resilient management practices. Through the service, foresters shall benefit from knowledge-enhancement to provide the best possible consultancy and contribute to climate resilient forests.

FIRST ACTION

Several meetings with the provincial forest department were organized, not only regarding the general structure and contents of the workshop (CA tool), but also regarding the questions of upscaling the results from district-level to the provincial level, which itself already significantly shaped the initial design of the local workshops. Therefore, did not only the two affected forest inspectorates take part in the exchanges, but also the directors of the provincial forestry department and of the department of forest planning, which is inter alia responsible for the education and training of foresters on a provincial level. On a further stage, also a representative of the forest nurseries will be involved, as the proactive alignment of the cultivation plans towards specific and potentially new tree species is crucial to enable a site- and climate adapted afforestation.

However, after initial planning and designing of the climate service, it has shown that further detailed steps can only be agreed on after the successful implementation of the workshop (the CA tool) itself at the beginning of October and a following assessment. In the course of the latter, the elaborated process (decision chain for foresters) is to be scrutinized in how far it is transferable to other parts of the province or how and

where it would have to be modified and which steps and resources are necessary to scale it up to other provincial contexts. It is already imminent that additional material (such as province-wide climatic input information) should be provided in order to enable a similarly detailed approach as in the CA tool in every part of the province; the concrete next steps, the necessary level of involvement of provincial partners and the detailed needs for practitioners being able to "copy" the workshop are expected to be the central activities for after the workshop, which is why also the aforementioned provincial offices will take place in them. Below a picture of an on-site visit where one of the local workshops is going to take place and where also a representative of the provincial department for forest planning was present in order to proactively align the design of the CA tool with the principle of scaling the process up.



PROCESS OF IMPLEMENTING

After conducting the Workshop, materials in various formats shall be elaborated, which refer content-wise to the theoretical part and serve as a guidance of conducting the practical part (e.g. some kind of handbook of how to conduct the practical training, who to involve, which steps to take etc.), also including a documentation and experiences of the fieldwork. The implementation of the climate service indirectly already started in the course of the workshop planning; as already described, are the detailed steps of identifying the specific needs and elaborating these materials however only foreseen to be taken after a respective assessment of the conducted workshops. The steps for conducting the climate service – the scaling up of the local workshops to a provincial level - are thereby planned as follows:

- Proactive co-design of the workshop: The design of the workshop was already proactively aligned
 with the idea of scaling it up to the provincial level by focusing on the <u>process</u> of how to conduct
 climate-resilient afforestation, thanks to the premature involvement of actors from the provincial
 level
- Assessment: From the perspective described above do the local workshops serve as a direct test case for implementing the chosen framework of a procedural decision chain for foresters. In the following assessment (presumable by the end of 2024/beginning of 2025), including experiences and feedback from the participants, it should be examined as in how far the elaborated framework can be applied to other settings in the province and which modifications have to be made in order to do so. In the course of this assessment, detailed needs (demand-side) and necessary resources, as well as respective responsibilities shall be identified in order to conduct the service with the described elements.

- <u>Detailed planning of the service:</u> The two projected pillars of the service shall being concretized after the survey of respective needs.
 - The <u>local informational events</u> (forest information days, to be held in winter/spring 2025) should focus primarily on the results of the workshop and serve as bridging events between the forest training workshops and the direct education of forest owners as well as municipal representatives, the main targets of these municipal events. The outcome of the workshop is therefore planned to be adjusted towards a results- and recommendation perspective to actively inform forest owners of their choices and the aspects to consider in their management practices. However, as neither for this level there can be elaborated standard solutions, an important aspect should be to strengthen the links between forest owners and foresters, which serve as their primary consultants regarding forest-related inquiries.
 - The scheduled materials for upscaling the contents will most likely primarily consist of a theoretical, climate-related part (whereby the resources to develop such are still to be set during the detailed planning phase) and a more practice-oriented part, which could serve as a guideline for conducting similar workshops in the respective contexts; in due course, they should also serve as a starting point of integrating these contents into the provincial forest training courses, which take place every couple of years (is however not directly part of this service). These materials shall be accompanied by an optional internal informational event for all the forest inspectorates and the relevant provincial departments, also beyond the mere forest sections. If considered relevant, shall relevant external stakeholders be informed about new knowledge in the field of climate-adapted re/ afforestation processes in order to distribute it among their members or target groups (e.g. farmers association).

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Implementation and evaluation: the implementation of similar trainings in other inspectorates is the
primary goal of the upscaling. If first successful realizations take place within the timely arrangement
of the service, an evaluation could take place in order to concretise other needs to make to process
more flexible and adaptable to specific contexts.

PUBLICATION

The materials elaborated for the scaling up shall at the one hand be used internally in order to reach the forest inspectorates across the province, accompanied by the aforementioned potential internal information events, at the other be made publicly available through the local informational events and in a seconds step the possible distribution among relevant stakeholders in forest management, if considered of providing added value (e.g. farmers associations, consultancies etc.).

4. Municipality of Chivasso

SERVICE 1

Name of the Service: Support to of a "climate resilient" Master Plan, including adaptation

measures to climate change.

Coordinator of the Service: IISBE Italia R&D

Beneficiary of the Service: Municipalities engaged in the review of the City Master Plan or

interested in including adaptation measures to climate change in their

implementing regulations.

Areas of application of the Service: The service is being implemented to the Municipality of Chivasso (IT),

but this climate service can be replicated and applied in any Italian

municipal context.

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

 Implementing a decision-making process to identify the optimal measures to increase the level of adaptation and resiliency of the municipality, to be included in the Master Plan and within the SEA.

• Risks & awareness raising.

WHICH HAZARDS WILL THIS AFFECT?

The service will affect all the hazards which are relevant for the local context under analysis. To be able to identify the major hazards for the municipality, is fundamental to take into account the contents of its own Sustainable Energy and Climate Action Plan (SECAP).

In the context of ADAPTNOW, the service has been experimented to the Municipality of Chivasso. In this specific case, the hazards identified are:

- Extreme temperatures: heatwaves represent a very dangerous climate hazard for the Municipality
 of Chivasso but also for many Italian municipalities. thanks to the application of the Service, the
 areas with high heatwaves risk can be identified through QGIS, an open-source software GIS.
- Drought: During the last twenty years a high degree of drought has been highlighted in the municipality of Chivasso. This phenomenon has generated the lowering of the aquifers and the agricultural sector has much suffered the consequences of the droughty climate, the methodology used to assess drought risk is based on climatic, geographical and socioeconomic data.
- Heavy rains and floods: they represent a climate hazard affecting the Municipality of Chivasso, indeed, Chivasso is located at the confluence of three rivers and 1994 and in 2000, it has suffered two very important floods. Using GIS-based tools, user-oriented risk maps area created; they are able to visualize areas highly vulnerable to pluvial flood. this risk map methodology is based upon the three main pillars of risk (hazard, exposure, vulnerability) defined by UNISDR (2009) and IPCC (2012).

WHICH SECTOR WILL THIS AFFECT?

The service will affect the sectors which are relevant for the local context under analysis and related to the hazards identified.

In the context of ADAPTNOW, the service has been experimented to the Municipality of Chivasso. In this specific case, the sectors identified are:

 Urban infrastructure: this sector can be affected by all the three hazards previously identified. The main infrastructure taken into consideration for the Municipality of Chivasso are the railway, the

- main roads on the territory and the motorway that crosses near the municipality. The complete building sector has been considered.
- Health: this sector is to be considered mainly in relation to the extreme temperature and flood hazards. In conjunction with the development of the Service for the Municipality of Chivasso, Piedmont Region, together with the Local Health Authority of the City of Turin, the Regional Agency for Environmental Protection, the Regional Epidemiological Centres and iiSBE Italia, are elaborating a "Urban Health Protocol" (a multi-criteria assessment tool useful to evaluate and measure how much the built environment at urban scale impacts on the health of inhabitants and how much it preserves them from climatic hazards).

The Municipality of Chivasso will be the first pilot case of Piedmont Region Urban Health Protocol testing in late 2024.

OVERVIEW OF THE SERVICE

The service foresees the implementation of a decision-making process to identify the optimal measures to increase the level of adaptation and resiliency of the municipality, to be included in the Master Plan and within the Strategic Environmental Assessment (SEA).

Pilot action expects a detailed identification and mapping process of the climate risks affecting the municipality, through the use of GIS data. To assess the current situation and the adaptation level of the urban areas analyzed, the application of a set of indicators is expected. Those indicators will be calculated through the use of a software, using GIS data and shape files. Based on the indicator's outputs, NBS and adaptation measures at urban and micro-urban scale are assumed and designed for the area assessed. Indicators are re-applied to the area after the introduction of these adaptation measures in order to assess the effectiveness of them and to define the proper adaptation strategy for the area.

Quantitative indicators ensure the monitoring of the effectiveness of the adaptation measures over time.

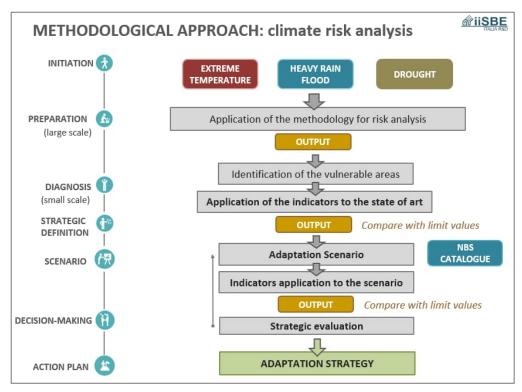


Fig 1. General methodological approach for climate risk analysis developed for Service 1.

FIRST ACTION

Context and climatic analysis are part of the first activities to be performed for Service 1, understanding the peculiarities of the area it's fundamental to better address the potential climate hazards and its vulnerability. Sectors and hazards must be identified afterwards and consequently recognised the vulnerable areas; based on that, indicators must be applied, and adaptation scenarios defined, including adaptation and resilience measures per sector and climatic risk. This adaptation strategy can be integrated into the city Master Plan and in the Strategic Environmental Assessment.

PROCESS OF IMPLEMENTING:

- <u>Context analysis</u>: describe the context of the Municipality to be analysed in terms of demographic characteristics, peculiarities of the building and urban fabric as well as analysis of the soil and the ecological network.
- <u>Climatic analysis</u>: analyse the current and future climate trends in the area, in order to assess the level of intensity of potential climate hazards.
- <u>Vulnerability and climatic risks analysis of the territory in relation to the sectors addressed</u>: through
 the use of multi-criteria evaluation systems, adapted to the peculiarities of the municipality to be
 assessed, verify the level of risk according to the IPCC approach (risk level = vulnerability x hazard x
 exposure) at urban scale.
- Identification and description of the adaptation and resilience measures per sector and climatic risk: identify the optimal adaptation measures to reduce the impacts of climate change for both the territory and the citizens:
 - reduce the occurrence of a critical phenomenon (e.g. heat islands, flooding)
 - adapt the urban environment to reduce exposure and manage any emergencies;
 - adapt the built environment to improve the quality of life;
 - manage the evolution of urban ecosystems and urban transformation;
 - prepare citizens to face the new conditions.
- Integration of the identified measures into the city Master Plan and in the Strategic Environmental
 Assessment: integrate the adaptation strategies previously identified into the Master Plan and in the
 SEA. Identify specific quantitative indicators to ensure the monitoring of the effectiveness of the
 adaptation measures over time.

PUBLICATION

The service will be presented to the stakeholders interested during roundtables meeting organized by iiSBE Italia R&D, published on the official website and social networks of iiSBE and of course presented at partner network meetings.

5. Allgäu

SERVICE 1

Name of the Service: Climate adaptation package for municipalities

Coordinator of the Service: eza!

Beneficiary of the Service: Municipalities
Areas of application of the Service: Regional area

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

Capacity building, data sharing, financing, risks & awareness raising, other

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

 Hazards and sectors affected depend on the results of the workshops carried out with all relevant stakeholders. Their input defines local risks and the necessary fields of action.

OVERVIEW OF THE SERVICE

The climate adaptation package for municipalities contains several parts:

- Analysis of local climate change impacts and vulnerability (risk assessment)
- Workshop(s) with representatives of the municipality and local stakeholders:
 - o Present expected and already existing local climate change impacts
 - o Identify and prioritize local risks
 - o Discuss and prioritize measures to develop an action programme
- Presentation of the local action programme in municipal council
- Provision of materials and information for municipal website to inform inhabitants

BENEFICIARY OF THE SERVICE

The climate adaptation package is designed for municipalities which have not yet established a concept on climate change adaptation and whish to get an overview of relevant risks and impacts to be expected locally while involving all relevant stakeholders.

FIRST ACTION

The service will be presented on the next exchange meeting of municipalities participating in the European Energy Award programm in September 2024 organzied by eza!. Municipalities can apply afterwards for exemplary implementation of the service.

PROCESS OF IMPLEMENTING

- Promote the service among municipalities in the Allgaeu region
- Find municipalities that do not have an adaptation concept yet (and not yet working on it)
- Analyse vulnerability, identify relevant stakeholders, organize workshops

PUBLICATION

The service will be published via eza! website, eza! newsletter and presented at partner network meetings.

6. Vorarlberg

SERVICE 1

Name of the Service: Consultancy for homeowners

Coordinator of the Service: EIV, Katharina Bäuerle

Beneficiary of the Service: Private Home Owner, VHV building assurance

Areas of application of the Service: Vorarlberg

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

Protect buildings from damage caused by weather events

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

- Capacity building for energy advisor in charge
- Risks & awareness raising for homeowners
- Heavy rainfall, flooding, draught, hail, snow and overheating of buildings

OVERVIEW OF THE SERVICE

Self-preparedness is an indispensable component of climate change adaptation strategies.

Forward-looking adaptations to private buildings and properties can prevent damage and health hazards caused by extreme weather events.

Heavy rain runoff, storms, hail, heat and drought are generally still not perceived enough as a risk or real danger, and adaptations are predominantly reactive and not forward-looking. During personal on-site advice, private homeowners are sensitized to the topic and taught concrete precautionary measures. The focus is on water-sensitive property and building design and heat resilience.

The aim is to raise risk and hazard awareness, spread precautionary knowledge and promote responsible behavior





BENEFICIARY OF THE SERVICE

One-hour on-site consultations are offered for homeowners. If required, a telephone consultation format or a longer on-site format can be developed at a later date.

The consultations focus on prevention and protection of the home against extreme weather events: heavy rain, storms, lightning, hail, heatwaves, drought.

The trained consultants walk around the building and assess the direction of water flow during heavy rainfall and the infiltration capacity. They point out vulnerable low points and show ways of securing them. A tour of the cellar includes a discussion of sanitary facilities, washing machines and lifting systems located below sewer level. The consultant can use a checklist to ensure that all major hazards have been addressed.

FIRST ACTION

Initially, training for around 15 energy consultants will be developed for autumn 2024. This will take place in consultation with the water management office and the building insurance company, some of whom will also teach themselves. The teaching units are divided into two ninety-minute evening events and deal with the main cases of damage, parts of buildings at risk and suggestions for prevention.



Lilitritiswege des zurückgestädten Wassers aus der Kanansatio

PROCESS OF IMPLEMENTING

- We will train approximately 15 advisors and provide them with user-friendly material. This will involve revising the guide "Klimafittes Bauen und Wohnen" and the e-book "Unwetter-Gebäudecheck" from the NRW consumer advice center. Additionally, a checklist will be created. (Autumn 2024)
- Municipalities will be offered a number of free consultations. These will be financed from the AdaptNow budget. (Spring 2025)
- Revision of the offer (Summer 2025)
- Starting in November 2025, climate change adaptation consultations will be integrated with the free energy consultations already provided by municipalities to property owners. The costs for these integrated consultations will then be covered by the municipalities (From November 2025)

PUBLICATION

- The service will be published on our website and in the newsletter of our municipal network, e5. Brief information will also be included in the internal newsletters of the communities.
- To provide comprehensive information about the new service, we will design an informational flyer, which will be distributed by the municipalities.

7. Upper Podravje

SERVICE 1

Name of the Service: Contact and Servicepoint

Coordinator of the Service: Energy and Climate Agency of Podravje

Beneficiary of the Service: Public sector (municiplaities and other public organisation),

Areas of application of the Service: 25 municipalities in the region

WHICH CONTENTS ARE YOU PLANNING TO ADDRESS WITH YOUR SERVICE?

- Awareness rising within public and private sector about adaptation
- Preparing strategical and operative documents and action plans
- Search for financial sources to implement measures.

WHICH HAZARDS AND SECTOR WILL THIS AFFECT?

- Hazards: heavy rains, landslides, heat waves, windstorms.
- Sectors: Urban infrastructure, economic development, health

OVERVIEW OF THE SERVICE:

The service will be a support for public sector, citizens and other stakeholders to start and implement the activities for climate change adaptation – raising awareness, getting more knowledge and experiences, collect and work on data, preparation of RVA, adaptation strategies and action plans, training and educational activities, stakeholders engagement, search for financial sources.

The objective of the service will be to support the implementation of measures and monitor the progress as well as working on awareness raising activities and knowledge and experiences exchange.

ENERGAP has established a sort of regional climate adaptation centre and the cooperation between sectoral regional experts in the field of adaptation (water management authority, agriculture and farming, health experts, touristic research centre, ...)

BENEFICIARY OF THE SERVICE:

It will be offered to circa 25 municipalities in the region.

FIRST ACTION:

Development of the services was proposed to agency's council in December 2022.

PROCESS OF IMPLEMENTING:

- Development of the services was proposed to agency's council in December 2022.
- New service involves the work of one person per day.
- The financial source for 2023 and 2024 is ADAPTNOW project. Later the municipalities will secure
 the financial sources.
- Three fields of work:
 - Data collection, analysis, sharing and management, continuous monitoring of the data
 - Preparation of strategic documents: risk and vulnerability studies, strategies for adaptation and action plan
 - Strong information and communication activities for public sector: capacity building, awareness raising.

PUBLICATION:

- Service was promoted on website and in social media
- It was presented at different regional events
- Some articles were prepared for newspapers
- The work was presented in ENERGAP's annual report for 2023
- It was presented at regional and local municipal councils
- Some dedicated workshops were organized and services promoted and presented