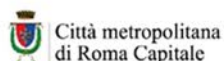


## D2.1 Training material package

### Task 2.3 - Advanced training

Date: 15/04/2025

Lead beneficiary: Cras srl





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## Abstract

This deliverable reports about the training activities performed by beneficiaries on the 5 target areas.

The first part contains the guidelines prepared by the task leader (CRAS) at the start of the activities (M7 - April 2024) to specify the minimum criteria and targets of the training activities in line with the proposal and to provide other beneficiaries with templates for reporting about local activities.

The second part includes a paragraph per country, drafted by the corresponding beneficiaries at the task end (M18 - March 2025), and contains a description of the training programme implemented in each target area, comments about the related impacts and results, besides summary sheets about the main events/activities organized. Most relevant training materials in national languages are linked or attached.

The third paragraph compares the activities carried out by the beneficiaries in each target area, and tries to point out common elements and lessons learnt.



## Introduction

The task 2.3 “advanced training” was planned to cope with to one of barriers most commonly referred by small local authorities, namely the lack of human resources in terms of number and competences. It aims at the capacity building of the Intermunicipal Technical Structures (IMTSs) in order to provide its members with the skills needed to define an energy transition strategy and implement consequent actions during the Life-SMART project and beyond.

The topics and structure of the training programmes were detailed according to the priorities and characteristics of the different target areas, including the socio-economic and geographical conditions of the territorial contexts and the competences offered by the beneficiary staff.

Each partner organized the training activities in their own target area, interpreting the following indications as a general guidance, drafted to guarantee a common approach in coherence with the proposal and the GA.

In general terms the training programmes covered different topics related to mission of the IMTSs in the target areas, so to allow a progressive deepening of the most relevant issues regarding energy transition with particular attention to the implications of the different funding options available for public investments in the energy upgrading of buildings and renewables.



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## **PART 1 - GUIDELINES TO DESIGN THE TRAINING PATHS**



## 1. Cross cutting principles

At European, national and subnational level many organizations are already engaged in fostering energy efficiency and renewables and several initiatives have been developed in the last years to improve the competences and to raise awareness about such topics in decision makers, public officers and citizens. For this reason, it is advisable **to collaborate with the relevant stakeholders** already active in knowledge sharing about energy issues, **to network with recent and ongoing initiatives** and **to take advantage of existing training resources** as long as they fit with the local needs and the communication goals established by Life SMART, and provided the respect of copyright and the proper attribution of any re-used material.

### Collaborations

In the case of advanced training, it is advisable to involve in training activities institutions such as:

- Energy services and energy infrastructure managing bodies
- Incentive scheme managing authorities
- National/local energy agency
- Universities and research centers
- ...

Such collaborations imply the possibility to plan the SMART training programme combining modules organized directly by the beneficiaries, with the own staff or external experts in the role of trainer, as well as activities organized by the beneficiaries in collaboration with other competent organizations, with the staff of the latter engaged as speaker/lecturer.

Provided a formal agreement, inclusively training activities organized by other competent institutional bodies could be accounted, if particularly relevant for the purpose of the energy transition of the target area.

Note that the project budget includes a (limited) amount for direct costs under the category “other goods, works and services” that can be spent for training courses, for instance to reimburse an expert seconded from a partner organization or to cover minor expenses related to the participation of the IMTS staff to a course on a specific topic or a study visit.

Of course, the involvement of third parties in training activities should serve to bring an additional contribution in terms of knowledge and expertise, integrating the competences offered by the beneficiary staff if necessary, therefore the full outsourcing of the organization and deployment of advanced training activities is not an option.

### Collect and reuse

According to the same principle of non-duplication, it is advisable to verify the possibility to exploit some of the several supporting tools and training materials already produced by the organizations mentioned above as well as those delivered in the context of EU funded projects on the same topics of LifeSMART, under initiative such as the [Covenant of Mayors](#), [Managenergy](#) or programmes like Life/CET Calls, Horizon, Erasmus+, etc, or even in the context of similar national initiatives.

A wide range of training resources (calculators, slides, videos, best practice catalogues...) are available on the web therefore selecting the valuable and useful ones is essential, these should be:



- Responding to the training needs (and the local strategy)
- Recent
- Open source
- Not developed for commercial use or with advertising purpose
- Possibly validated.

In order to identify the useful resource we suggest a preliminary survey from both the “demand” and “supply” sides. “Demand side” means agreeing with the IMTS members about the topics to be deepened, while “supply side” here means identifying among the initiatives on energy transition, which delivered some tools of interest those coherent with the planned actions.

For this purpose, as done to identify project and initiatives to network with, consortium partners could share via spreadsheet on the common drive a list of transnational projects which produced training resources of common interest, accessible in English or multiple languages and possibly focused on Southern/Mediterranean Europe. The information to provide for each could be: name of the project, year, identification of the useful resource and link, moreover, despite a true classification is difficult, organizing the resources per sector or topic or using keyword could be helpful.

The example table below concerns some of the initiatives financed recently under H2020 or Horizon Europe or life CET sub-programme and mentioned by the project adviser Michele Sansoni during the KoM as potential projects to take advantage from and/or to network with.

Topic/keyword	Project Name	Year	Resource of interest	Link
Capacity building	Managenergy	2022-2026	Master classes, online seminars	<a href="https://managenergy.ec.europa.eu/">https://managenergy.ec.europa.eu/</a>
Innovative financing schemes	Prospect+ (H2020)	2021-2023	Financial indicators calculator, Recommendation decision matrix, learning handbooks	<a href="https://www.h2020prospect.eu/">https://www.h2020prospect.eu/</a>
SECAP	OwnYourSECAP (LIFE)	2022-2025	Tool for the identification of measures	<a href="https://www.ownyoursecap.eu/">https://www.ownyoursecap.eu/</a>
Heating and cooling	Act!onheat (H2020)		Webinar, thermal energy planning softwares (from previous projects)	<a href="https://actionheat.eu/">https://actionheat.eu/</a>

Table 1 Initiatives of potential interest financed under H2020 or Horizon Europe or life CET sub-programme

Something similar could be proposed and shared at national level so to collect and make available to IMTS members and local stakeholders a country-specific selection of material and tools, available in national language, tailored to local needs and opportunities (legal framework, incentive schemes, ...).

## 2. Topics



The training programmes should be planned basing on the analysis of local needs, in line with the competences owned and not owned by the IMTS members and effective for the actions the municipalities intend to develop within the Life-SMART project.

**The two topics preliminarily identified as of common interest concern the energy upgrading of public buildings and the promotion of self-consumption energy communities**, obviously in case other priorities would arise, they could be modified or integrated.

According to the proposal and the grant agreement, the training programme should include at least 3 main activities/courses covering:

- Technological aspects, i.e., the information needed to navigate the different options available in the field of upgrading building systems and envelopes, the different plant solutions corresponding to the various renewable energy sources, opportunities for co-generation plants, etc.
- Financial aspects, namely exploring the financing tools and opportunities for energy transition in small municipalities, the available incentive schemes, the bankability conditions required for energy investments, ...
- Administrative and procedural aspects, such as the characteristics of the EPC contracts, an overview of the legal provision for public-private initiatives, the administrative obligations to activate a REC, ...

Other aspect not mentioned before but that is worth addressing regards how to develop an effective communication strategy to involve citizens and to attract private investments on energy transitions. Moreover please consider that some topics could be developed with a larger audience also in the context of task 2.4 energy literacy, for instance the incentives or the technical solutions available for private residential buildings, so even if some overlaps could occur, it is important to match topics, knowledge needs of the target group and detail degree of the communication.

### 3. Tools and formats

Beneficiaries are free to design the training programmes adopting the format most suitable to the needs detected in their target area. The project proposal mentions at least 3 main activities/courses (6-10 hour each), but provided an equivalent total number of hours spent in training (20-30h), beneficiaries can define the programme **combining different tools and formats**, according to the know-how already available, the complexity of the selected topics, the opportunity to involve expert organizations (such as research entities, managing bodies of incentives schemes), for instance mixing instructor-led or e-learning training activities, lecture-like or workshop-like format, and arranging, providing or suggesting a wide range of supplementary tools, even developed by others, as long as they are open-source or usable for free. The table below presents a **non-exhaustive** list of possible options to mix up.



Instructor-led training (in presence – virtual/online)	Seminars Webinars Workshops Cross-training Case studies
E-learning	Slide courses Training videos Simulations
Supplementary tools (additional training materials)	Slides Manual and guidelines Checklists Simulator Examples and templates

Table 2 Possible training options to implement task 2.1

In order to improve the accessibility, it is advisable to provide a **single access point to training resources developed for a target area** (for instance presenting the whole programme and providing links to the single events on the same webpage) and to **collect the training materials** produced (for instance creating a sort of repository on the beneficiary websites or making use of any existing moodle platform).

#### 4. Target groups

The training activities scheduled for task T2.3 are mainly targeted to **the members of the IMTS**, namely **the experts involved on purpose** and **the staff of the municipalities** in the target area, and possibly to the beneficiaries' staff.

Nonetheless, depending on the format and the contents, training activities could be open also to other relevant local stakeholder interested in the energy transition process or able to mobilize local investments in RES or energy efficiency such as the **managers of public entities** (schools, hospitals, transport facilities...), **local enterprises and professionals** (construction companies, tourism operators, architects/engineers ...).

According to the networking capacity and the institutional role of the beneficiary, as well as to the organization aspects (suitable venue, streaming or recording opportunities, ...), training activities could be open also to representatives of **neighbouring or partner municipalities**, other than those included in the target areas (for instance to other Covenant of Mayors signatories).

In order to maximise the dissemination effect and reach a wider audience, training modules could be made available also in streaming, recordings and training materials could be shared online via website or social media.



## 5. Monitoring the impact

According to the proposal and to the grant agreement, training programmes should schedule in each target area **at least 3 main activities/courses (6-10 hour each)**; concerning the number of participants to the training activities, beneficiaries should refer to the KPI “Number of policy-makers/public officers with improved capacity/skills”, which although needs to be achieved by the entire project - as all KPIs - is related in particular to task 2.3 and to its outputs.

Originally this KPI was calculated considering **at least 2 public officials and 2 policy makers per municipality involved**, as “end-of-project” values and considering the some further accessions to the IMTS services by neighbouring municipalities, to estimate the "5 years later" values.

During the negotiation phase, as CINEA’s suggested to pursue more ambitious results, such figures were slightly increased in some cases, according to the opportunities to widen the minimum target declared by the beneficiaries.

Please refer to the following table - extracted from GA annex1 - for the values to take into account in designing the training programme in your target area.

Target areas		ANATOLIKI /Greek target area	AREANATEJO /Portuguese target area	CCI_CNA /French target area	CMCR /Italian target area	FAMP /Spanish target area	TOT
Number of policy- makers/public officers with improved capacity/skills	End of the project	10	26	30	40	22	128
	5 years after the end	15	35	40	60	32	182

Table 3 KPI target table extracted from GA annex1

As the impact of task 2.3 represents a KPI, it’ s highly recommended to trace accurately the participation to training activities, in particular by preparing and **attendance list** and collecting them signed so to be able to report to task/WP leader as well as to lead partner about the KPI progress.

Attendance list should be structured to collect, beside the name, also the affiliation, in order to register also the number and category of entities involved, and the mail contact of the participants so to keep them informed about the subsequent activities and possibly for a feedback survey.

Attendance sheets - as bearing personal data - do not need to be submitted to task leader but collected by the beneficiaries organizing the training activities and elaborated for monitoring purposes.

In case of asynchronous modules or training activities other than courses, please keep some track of users (registering the number of accesses, downloads, ...).

In addition, it’ is suggested to provide some **evaluation tool** to collect the feedback from trainees (or users) and assess their satisfaction at the end of each activity. This could be useful in order to adapt the format and the contents to the needs of the audience and to reorient the approach if required. Google or Microsoft forms, smart survey or equivalent tools can fit. The aspects to submit to evaluation may vary case by case, but should encompass at least: the organization, the appropriateness of topics and detail degree of presentation, the quality of speakers. Collecting suggestions about further topics to delve into in the next events is advisable.



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When preparing the satisfaction survey or arranging materials accessible upon registration, it is advisable to include a privacy statement - in **compliance with GDPR** - to ensure the questionnaires are anonymous and the data are collected exclusively for monitoring purposes. When using free tools online privacy statements or terms of use of data are often included by default.



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## **PART II - COUNTRY REPORTS ON TRAINING ACTIVITIES**



## 1. Greek target area (by Anatoliki)

### 1.1. Introduction

Within the implementation of Task 2.3 “Advanced Training” of the Life SMART program, ANATOLIKI S.A. organized between February 25<sup>th</sup> and 26<sup>th</sup> a two-day training programme to representatives of the Municipalities of Aristotelis and Volvi at the Egnatia Palace Hotel & Spa.

The training programme was focused on energy transition issues at Municipal level, with special emphasis on Energy Efficiency and incorporation of Renewable Energy Sources as the primary tools for the promotion of decarbonization of the participating Municipalities.

The European and national legislation on the energy efficiency of buildings and facilities, the National Climate Law and the National Energy and Climate Plan (NESP), as well as the procedures of the Covenant of Mayors, with tools for monitoring and evaluating the action plans, were covered in the initial stage focused on the legislative and the legislative framework. At the same time, there was analysis of the financing mechanisms and tools for the energy transition and confrontation of energy poverty at EU and national levels, as well as energy performance contracts, the energy efficiency strategy of buildings/installations in municipalities and the reduction of the carbon footprint. Best practices and technologies enhancing energy transition in Municipalities were thoroughly presented whereas the training program was completed by the analysis and study visits at exemplary public buildings, incorporating the aforementioned technologies.

The main goals of the training session were to familiarize the involved technical and administrative personnel of the local authorities with the existing legal and institutional framework, the best practices followed in national and EU level and provide the essential knowledge on the available funding programmes and mechanisms and more specifically on the presuppositions for the proper design, preparation, proposal submission and elaboration of relative EE and RES projects in Municipal level.

### 1.2. Training programme

As already mentioned, the training program was elaborated in a two-day training session scheme, divided proportionally into the following sessions:

- EU& National Legislation – Framework.
- Energy transition in Municipalities.
- Energy Efficiency and RES incorporation Best Practices.
- Funding Mechanisms and Tools.
- Life-Smart Follow up Activities.
- Study Visits.

As far as the Study visits are concerned, the current activity concerned a walkthrough audit of two public buildings incorporating technologies and best practices related to energy upgrade the first one and energy efficient design the second one. More specifically, the following buildings were visited:

- Sector of Macedonia Thrace of the Ministry of Interior. The Sector of Macedonia and Thrace is a part of the Ministry of Interior, seated in Thessaloniki, with an authority over the region of Macedonia and Thrace. The Sector is strongly connected with the building that houses all its



services, constructed in 1891 near the ruins of a Byzantine palace by the architect Vitaliano Poselli and this was the Konak (administration building) of the Ottoman period and seat of the Vali. It is one of the most imposing buildings of Thessaloniki, concerning its size and its architectural neoclassical and renaissance elements. Thus, the energy upgrade of the building that took place between 2020-2023 was a real challenge and a guide on the implementation of relative energy efficiency interventions in large and preserved buildings, with all the limitations such projects have to deal with.

- 47th municipal kindergarten. The kindergarten was constructed in 2021 and is a perfect example of energy efficient building design and construction. The building is rated at the A Energy Class, categorizing it as a Nearly Zero Energy Building (NZEB), incorporating all the technologies and design approaches essential for low or even zero energy public buildings, ensuring on the other side high levels of indoor air quality (incorporation of Variable Air Volume with heat recovery systems), thermal comfort and natural lighting all combined and monitored by automation systems.

Additional to the aforementioned buildings, two other large scale energy upgrade projects were presented in detail during day one, in terms of both technical/ financial and administrative. The projects concerned were:

- The energy upgrade of buildings' complex consisting of four secondary education buildings and a sports hall, with a total area of 7.585 m<sup>2</sup> and a total budget of 6.050.000 €.
- The energy upgrade of the headquarters of Thessaloniki Water Supply and Sewerage Company SA, with a total area of 2.600 m<sup>2</sup> and a total budget of 4.600.000 €.

The detailed programme of the training seminar is attached at **Annex I** of the current report.

### 1.3. Results monitoring

The seminar was attended by ten (11) representatives from three different Municipalities and seven technical experts that participated actively in the discussions and the presentations of experiences from relative projects and initiatives.

The majority of the attendees were of a technical background (engineering – environmental) whereas 35% of them were directly related to the management of the Municipality (Vice-Mayors, consultants, scientific associates) thus indicating the active attachment of the leading entities to the energy transition and the decarbonization of the local authorities.

As far as the satisfaction levels of the participants are concerned, an electronic post-event survey was conducted, in order to evaluate and quantify them accurately. The online evaluation form is available at the following link:

[https://docs.google.com/forms/d/1qLjmvkAlkf4RQv\\_8sWKDXpujk7KkOkaMZRr\\_tzpp\\_UY/edit](https://docs.google.com/forms/d/1qLjmvkAlkf4RQv_8sWKDXpujk7KkOkaMZRr_tzpp_UY/edit)

### 1.4. Lesson learnt

The thematic subject of the training programme focused on the energy transition of Municipalities created the necessity for the development of educational material addressed to the public sector



executives and employees resulting in a very strictly structured course. The training path implemented demonstrated several strengths and some areas for improvement.

#### Strengths:

- High level of trainees participating: The training attracted highly qualified participants, indicating strong interest and relevance.
- Positive Feedback & Appreciation: Participants expressed high satisfaction with the content, delivery, and overall organization.
- Trainees' active participation throughout the seminar.
- Practical Application & Impact: The trainees expressed their intention to apply the knowledge gained (especially related to the forthcoming or ongoing energy efficiency funding programmes) in their respective fields.
- Multiplication Effects: The training encouraged knowledge-sharing and experience transfer within the participating Municipalities and the technical experts/trainers.
- Focused presentation and analysis of targeted best practices and case studies implemented in the public sector in Greece.
- Elaboration of walk through study visits at two relative projects, hence summarizing in an effective way the main outputs of the seminar



#### Weaknesses & Areas for Improvement:

- Depth of certain topics: Certain areas could be explored in more depth for a more comprehensive understanding, but they were limited due to the time restriction.
- Participation: Although the target of the number of participants was reached, nevertheless a bigger participation was foreseen at the planning stage. The absences were due to the inability of municipal employees to attend due to their engagement in submitting financial proposals for relevant projects (due date 28/02/2025).
- Follow-up & Long-Term Support: A structured post-training follow-up (e.g., mentoring, refresher sessions) could enhance retention and practical application.

Overall, the training was successful in engaging participants and creating positive learning outcomes, but future editions could benefit from deeper content exploration, enhanced participation, and stronger post-training support.



### 1.5. Training activities datasheets

<b>Title</b>	<b>Session 1: EU – National Legislation - Framework</b>
<b>Type of activity</b>	Seminar in presence
<b>Duration</b>	5 training modules, 30 minutes each
<b>Date</b>	Tuesday February 25 <sup>th</sup> 2025
<b>Location</b>	Egnatia Palace Hotel & Spa, Egnatia 61, 546 31, Thessaloniki
<b>Trainer(s)</b>	Thanasis Manoloudis-Mechanical Engineer MSc. Certified Energy Auditor and Energy Efficiency Expert Vassiliki Papadopoulou-Chemical Engineer MSc. Project Manager of EU projects. Tassos Chatzieleftheriou – Physicist. Climate Change Expert.
<b>Other entities involved in the organization</b>	Representative from the Architectural and Urban Design Department of the Municipality of Thessaloniki.
<b>Contents</b>	<ul style="list-style-type: none"> <li>- Introduction: Climate Change</li> <li>- National Climatic Law/ National Energy and Climate Plan (NECP)</li> <li>- EU Legislation on Energy Efficiency for Buildings – Installations</li> <li>- National Legislation on Energy Efficiency for Buildings – Installations</li> <li>- Covenant of Mayors (Monitoring and Evaluation of Action Plans)</li> </ul>
<b>Number of participants (as trainees)*</b>	Eleven (11)
<b>Pictures</b>	 



Link

<https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7>

<b>Title</b>	Session 2: Energy transition in Municipalities
<b>Type of activity</b>	Seminar in presence
<b>Duration</b>	6 training modules, 20-40 minutes each
<b>Date</b>	Tuesday February 25 <sup>th</sup> 2025
<b>Location</b>	Egnatia Palace Hotel & Spa, Egnatia 61, 546 31, Thessaloniki
<b>Trainer(s)</b>	Thanasis Manoloudis-Mechanical Engineer MSc. Certified Energy Auditor and Energy Efficiency Expert Vassiliki Papadopoulou-Chemical Engineer MSc. Project Manager of EU projects. Dr. Natalia Boemi. Environmentalist. Energy Poverty Expert.
<b>Other entities</b>	Representative from the Architectural and Urban Design Department of the Municipality



<b>involved in the organization</b>	of Thessaloniki.
<b>Contents</b>	<ul style="list-style-type: none"> <li>- Energy efficiency/ RES solutions</li> <li>- Energy Efficiency Project Action Planning</li> <li>- Energy Monitoring in Municipalities</li> <li>- Energy Communities</li> <li>- Energy Poverty</li> <li>- Carbon Footprint Calculation/ Certification/ Action Planning</li> </ul>
<b>Number of participants (as trainees)*</b>	Eleven (11)
<b>Pictures</b>	-
<b>Link</b>	<a href="https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7">https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7</a>

<b>Title</b>	<b>Session 3: Energy Efficiency Best Practices</b>
<b>Type of activity</b>	Seminar in presence
<b>Duration</b>	4 training modules, 20 minutes each, except Case Studies (1 hour)
<b>Date</b>	Tuesday February 25 <sup>th</sup> 2025
<b>Location</b>	Egnatia Palace Hotel & Spa, Egnatia 61, 546 31, Thessaloniki
<b>Trainer(s)</b>	Thanasis Manoloudis-Mechanical Engineer MSc. Certified Energy Auditor and Energy Efficiency Expert
<b>Other entities involved in the organization</b>	Representative from the Architectural and Urban Design Department of the Municipality of Thessaloniki.
<b>Contents</b>	<ul style="list-style-type: none"> <li>- Energy upgrade Technologies at Municipal Buildings</li> <li>- Energy upgrade Technologies at Municipal Installations</li> <li>- Incorporation of Renewable Energy Sources at Municipal Buildings/Installations</li> <li>- Relative Case Studies - Best Practices</li> </ul>
<b>Number of participants (as trainees)*</b>	Eleven (11)
<b>Pictures</b>	-
<b>Link</b>	<a href="https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7">https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7</a>

<b>Title</b>	<b>Session 4: Funding Mechanisms and Tools</b>
<b>Type of activity</b>	Seminar in presence
<b>Duration</b>	4 training modules, 15-20 minutes each
<b>Date</b>	Thursday February 26 <sup>th</sup> 2025



Title	Session 4: Funding Mechanisms and Tools
Location	Egnatia Palace Hotel & Spa, Egnatia 61, 546 31, Thessaloniki
Trainer(s)	Thanasis Manoloudis-Mechanical Engineer MSc. Certified Energy Auditor and Energy Efficiency Expert Spiros Stekoulis. GIS and IT Specialist. ANATOLIKI S.A.
Other entities involved in the organization	-
Contents	<ul style="list-style-type: none"> <li>- EU financing Programmes and Mechanisms for Energy Transition</li> <li>- National financing Programmes and Mechanisms for Energy Transition</li> <li>- Energy Performance Contracting - Energy Saving Companies</li> <li>- Net Zero Cities</li> </ul>
Number of participants (as trainees)*	Eleven (11)
Pictures	-
Link	<a href="https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7">https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7</a>

Title	Session 5: Study Visits
Type of activity	In situ walk through audits
Duration	2 side visits, 1,5-hour approximate duration each
Date	Thursday February 26 <sup>th</sup> 2025
Location	Thessaloniki city center region
Trainer(s)	Thanasis Manoloudis-Mechanical Engineer MSc. Certified Energy Auditor and Energy Efficiency Expert
Other entities involved in the organization	Representative from the Architectural and Urban Design Department of the Municipality of Thessaloniki.
Contents	<p>Energy upgraded public administration building: the case of the Sector of Macedonia Thrace of the Ministry of Interior main building.</p> <p>Energy efficient public kindergarten: The case of the 47<sup>th</sup> municipal kindergarten.</p>
Number of participants (as trainees)*	Eleven (11)
Pictures	-
Link	<a href="https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7">https://drive.google.com/drive/u/0/folders/1li3hdc-5uBcDz7fDdBPSC6ZPypUGXBc7</a>



## 2. Portuguese target area (by Arealatejo)

### 2.1. Introduction

The main focus of the training program developed under LIFE-SMART project was to train municipal technicians in the implementation of energy transition strategies and the drawing up of Sustainable Energy and Climate Action Plans (SECAPs). The main objective was to provide participants with the knowledge and tools to structure and operationalize concrete measures for decarbonization and climate adaptation in municipal territories.

The main target groups included municipal technicians from the municipalities involved, representatives of the Intermunicipal Technical Structure (IMTS) and other local stakeholders with a direct impact on the implementation of sustainability and energy efficiency measures. The training had the collaboration of Professor Rui Castanho, an expert in the field, and ADENE - Agência para a Energia, as the National Coordinator of the Covenant of Mayors for Climate and Energy in Portugal.

### 2.2. Training programme

Three training sessions were held, as described below:

- 1st Session – 19th November, 2024

Topic: Introduction to the Energy Transition and the Covenant of Mayors

Main Contents: Contextualization of the Covenant of Mayors, framework for climate targets, municipal challenges and initial guidelines for drawing up the SECAPs.

- 2<sup>nd</sup> Session – 4th February, 2025

Theme: Opportunities and Mechanisms for Local Energy Transition

Main contents: European, national and regional funding for municipal projects, analysis of technical and political instruments to support the energy transition, integration of renewable energies and energy efficiency.

- 3rd Session – 25th March, 2025

Topic: Case studies and good practices in Municipal Energy Transition

Main Contents: Successful case studies, innovative solutions, challenges faced in the implementation of the SECAPs, workshop organized by ADENE on the challenges and opportunities in adopting sustainable measures.

### 2.3. Results monitoring

The training program had a total of 38 participants from 11 municipal entities. The feedback gathered indicates a high level of satisfaction from the participants, highlighting the relevance of the content covered, the quality of the presentations and the relevance of the group discussions.



## 2.4. Lesson learnt

The main positive aspects of the program include:

- High level of participation and interest from municipal technicians, highlighting the need for training initiatives on the subject.
- The integration of ADENE as a facilitator of the debate on the SECAP and the challenges of the Covenant of Mayors, allowing direct alignment between municipal strategies and national guidelines.
- Discussion of practical case studies that provided valuable insights for implementing effective measures in municipal territories.

Points for improvement:

- Creation of structured support materials to facilitate the dissemination of the knowledge acquired by the participants to their teams and local policy-makers.

## 2.5. Training activities datasheets

<b>Title</b>	<b>1<sup>st</sup> Training Session of the LIFE-SMART Project: Covenant of Mayors - Functioning, Opportunities and Implementation</b>
<b>Type of Activity</b>	Training Session
<b>Duration</b>	6h45
<b>Date</b>	19 <sup>th</sup> November, 2024
<b>Location</b>	CIMAA's Auditorium, Rua 19 de Junho - Portalegre
<b>Trainers</b>	Rui Alexandre Castanho - Ambassador of the EU Climate Pact, International Doctor in Sustainable Planning in Transboundary Territories, and a widely recognized professional in the field of sustainability, with links to various international institutions.
<b>Other entities involved in the organization</b>	Organized by AREANATEjo with the support of IPP - Polytechnic University of Portalegre, as IMTS expert.
<b>Contents</b>	<p>The main theme of this first event was the “Covenant of Mayors - How it Works, Opportunities and Implementation” and its main objective was to provide participants with an in-depth knowledge of the Covenant of Mayors, covering the importance of this commitment, the associated benefits and practical strategies for its implementation in municipalities.</p> <p>The topics covered were:</p> <ul style="list-style-type: none"> <li>- Climate Change and Environmental Impacts;</li> <li>- Covenant of Mayors: How it Works and Opportunities;</li> <li>- Practical Applications and Mitigation Measures</li> <li>- Monitoring and Evaluation of Action Plans.</li> </ul> <p>All the registrations and presentations can be consulted at:  <a href="https://drive.google.com/drive/folders/1ptM2onUFcC6II0eUggW3gQ--MG1rAg3I?usp=sharing">https://drive.google.com/drive/folders/1ptM2onUFcC6II0eUggW3gQ--MG1rAg3I?usp=sharing</a></p>
<b>Number of participants (as trainees)</b>	11 Participants (policy-makers and local technicians) (for KPI purposes) + 2 external experts from IMTS + 3 AREANATEjo technicians



Images



Links

[https://www.linkedin.com/posts/areanatejo-ag%C3%A0ncia-de-energia-320770a1\\_lifsmart-lifeprogramme-lifeproject-activity-7264665376590811136-lkcg?utm\\_source=share&utm\\_medium=member\\_desktop](https://www.linkedin.com/posts/areanatejo-ag%C3%A0ncia-de-energia-320770a1_lifsmart-lifeprogramme-lifeproject-activity-7264665376590811136-lkcg?utm_source=share&utm_medium=member_desktop)

<https://www.facebook.com/AREANATEjo/posts/pfbid035TxhwSs3erddwMsaPSyMvX8w8hVESZbcpeuY226J61CX3jtTfoUbyY4KEVwVpQIHl>

[https://www.instagram.com/p/DCjwLBTKfk9/?utm\\_source=ig\\_web\\_copy\\_link&igsh=MzRIODBiNWFIZA](https://www.instagram.com/p/DCjwLBTKfk9/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA)

<b>Title</b>	2nd Training Session of the LIFE-SMART Project: Opportunities and Mechanisms for the Energy Transition
<b>Type of Activity</b>	Training Session
<b>Duration</b>	6h45
<b>Date</b>	4th February, 2025



<b>Location</b>	Sala das Bandeiras in CIMAA's headquarters, Rua 19 de Junho – Portalegre
<b>Trainers</b>	Rui Alexandre Castanho - Ambassador of the EU Climate Pact, International Doctor in Sustainable Planning in Transboundary Territories, and a widely recognized professional in the field of sustainability, with links to various international institutions.
<b>Other entities involved in the organization</b>	Organized by AREANATEjo with the support of IPP - Polytechnic University of Portalegre, as IMTS expert.
<b>Contents</b>	<p>The 2nd Training Session focused on the analysis of practical cases of municipal energy transition, presenting concrete examples of success, challenges faced and innovative solutions applied. Strategies for improving energy efficiency, integrating renewable energies and overcoming barriers in the implementation of local projects were explored. In addition, good practices and recommendations for optimizing processes were discussed, reinforcing the role of municipalities in the energy transition and in the implementation of SECAPs.</p> <p>The following topics were discussed:</p> <ul style="list-style-type: none"> <li>- European, national and regional funding mechanisms for the energy transition;</li> <li>- Analysis of technical and political instruments to support the energy transition;</li> <li>- Opportunities for integrating renewable energies and improving energy efficiency in municipal infrastructures;</li> <li>- Technical feedback for drawing up Energy Transition Action Plans.</li> </ul> <p>All the registrations and presentations can be consulted at:  <a href="https://drive.google.com/drive/folders/1XeR2ByrWC-6gpffP09joqGXf8-bW67fn?usp=sharing">https://drive.google.com/drive/folders/1XeR2ByrWC-6gpffP09joqGXf8-bW67fn?usp=sharing</a></p>
<b>Number of participants (as trainees)</b>	11 Participants (policy-makers and local technicians) (for KPI purposes) + 2 external experts from IMTS + 3 AREANATEjo technicians
<b>Images</b>	
<b>Links</b>	<p><a href="https://www.linkedin.com/feed/update/urn:li:activity:7292583417391542272">https://www.linkedin.com/feed/update/urn:li:activity:7292583417391542272</a></p> <p><a href="https://www.facebook.com/AREANATEjo/posts/pfbid0qe5MrTzPhf6tdynNj2KM8cJvF9cDi mNFUbFq4wy5N4XPJE1LbgsAsSbUaTXmMHFBI">https://www.facebook.com/AREANATEjo/posts/pfbid0qe5MrTzPhf6tdynNj2KM8cJvF9cDi mNFUbFq4wy5N4XPJE1LbgsAsSbUaTXmMHFBI</a></p> <p><a href="https://www.arenatejo.pt/arenatejo-dinamiza-segunda-sessao-do-programa-de-formacao-life-smart-na-area-piloto-alto-alentejo/">https://www.arenatejo.pt/arenatejo-dinamiza-segunda-sessao-do-programa-de-formacao-life-smart-na-area-piloto-alto-alentejo/</a></p>



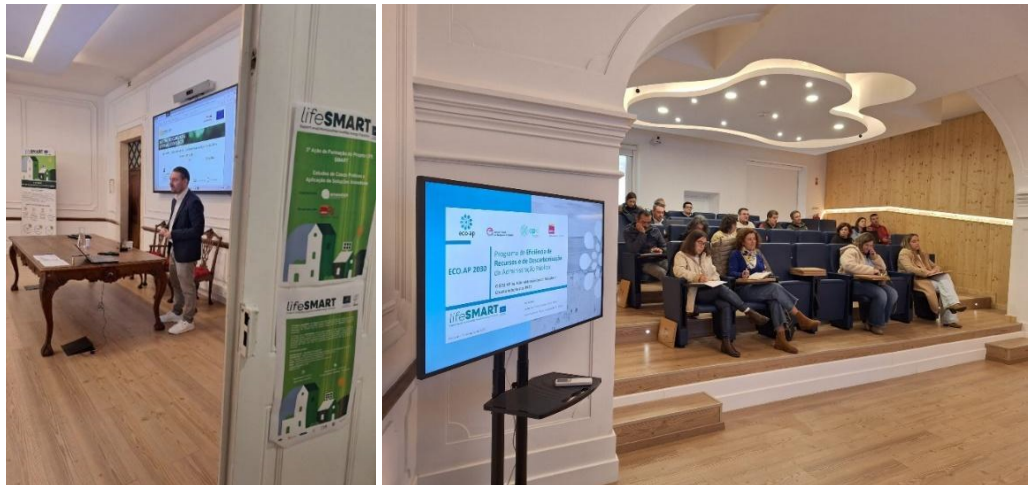
<b>Title</b>	<b>3<sup>rd</sup> Training Session of the LIFE-SMART Project: Case Studies and Application of Innovative Solutions</b>
<b>Type of Activity</b>	Training Session
<b>Duration</b>	6h45
<b>Date</b>	25th March, 2025
<b>Location</b>	CIMAA's Auditorium, Rua 19 de Junho - Portalegre
<b>Trainers/speakers</b>	Rui Alexandre Castanho - Ambassador of the EU Climate Pact, International Doctor in Sustainable Planning in Transboundary Territories, and a widely recognized professional in the field of sustainability, with links to various international institutions. The training session was attended by the following speakers from ADENE: Gorete Soares, ECO.AP Coordinator, Pedro Quaresma, ECO.AP Technical Specialist and Maria Albuquerque, Cooperation and Institutional Relations Technical Specialist.
<b>Other entities involved in the organization</b>	Organized by AREANATEjo with the support of IPP - Polytechnic University of Portalegre, as IMTS expert, and ADENE, as coordinator of the ECO.AP program.
<b>Contents</b>	The main theme of this third event was “Case Studies and the Application of Innovative Solutions” and its main objective was to present to the participants several practical cases of success in energy transition in municipalities, which allow for replicability in terms of implementing the measures considered, the challenges and solutions encountered during the implementation of projects were identified and analyzed. Within the scope of the work carried out by IMTS, was presented all the work for drawing up the Action Plans for energy transition under development for the Municipalities that are part of the LIFE-SMART project was presented. Lastly, ADENE presented the ECO.AP Program in Local Public Administration: Relationship and opportunities in the development of the SECAPs, and it was very important to articulate the objectives of this Program with the goals and objectives of the SECAPs.  All the registrations and presentations can be consulted at: <a href="https://drive.google.com/drive/u/1/folders/1Pru-0YaU0eBqpUdyLeJre-y0IDLHYUa">https://drive.google.com/drive/u/1/folders/1Pru-0YaU0eBqpUdyLeJre-y0IDLHYUa</a>
<b>Number of participants (as trainees)</b>	16 Participants (policy makers and local technicians) (for KPI purposes) + 2 external experts from IMTS + 3 AREANATEjo technicians + 3 ADENE technicians



Co-funded by  
the European Union

Life SMART

Support small Municipalities towards Energy Transition  
(LIFE22-CET-SMART)



Images



Links

[https://www.linkedin.com/posts/areanatejo-ag%C3%A2ncia-de-energia-320770a1\\_lifsmart-lifeprogramme-lifeproject-activity-7310341650256424961-sqeW?utm\\_source=share&utm\\_medium=member\\_desktop&rcm=ACoAABWI3MgBKdDudzqcN9xu9YmkSfAW4mtK5ps](https://www.linkedin.com/posts/areanatejo-ag%C3%A2ncia-de-energia-320770a1_lifsmart-lifeprogramme-lifeproject-activity-7310341650256424961-sqeW?utm_source=share&utm_medium=member_desktop&rcm=ACoAABWI3MgBKdDudzqcN9xu9YmkSfAW4mtK5ps)

<https://www.facebook.com/AREANATEjo/posts/pfbid0RLdx7xbjoo3ELsUanx8HABYkK yFakmvuzCb7dsRBoY2UkZ7ZHqC1TQw5bFQmRm8l>

<https://www.arenatejo.pt/termina-com-sucesso-o-programa-de-formacao-life-smart-na-area-piloto-alto-alentejo/>



### 3. French target area (by CCI-NCA)

#### 3.1. Introduction

##### Focus Topic and Main Goals

The proposed training programme is designed to address capacity-building needs identified within the Alpes-Maritimes region. Specifically, the programme aims to enhance the skills and knowledge of local representatives and technicians in the field of energy transition. The main goals include:

- Providing fundamental knowledge on energy transition to enable informed decision-making at the municipal level.
- Equipping municipal technicians and relevant personnel with the necessary skills to implement energy-related projects.
- Addressing regulatory challenges, including the new legislation on ZAER (Zones d'Accélération des Énergies Renouvelables), by offering practical guidance on identifying relevant zones and ensuring compliance.
- Facilitating access to key stakeholders, funding opportunities, and technical resources.
- Encouraging collaboration between municipalities, technicians, associations, and other relevant actors to foster a more dynamic energy ecosystem.

##### Target Groups

The programme is specifically tailored for:

- Municipal representatives (elected officials, mayors, and local authorities) who often manage multiple responsibilities and may lack expertise in energy-related matters.
- Technicians or individuals responsible for energy projects within municipalities who require additional training to implement energy transition measures effectively.
- Relevant stakeholders such as solution providers, funding institutions, and local energy associations who can provide support and foster partnerships.

##### Identified Capacity-building Needs

Despite the increasing importance of energy transition, small municipalities in the Alpes-Maritimes often struggle due to a lack of dedicated technical expertise. In some cases, municipalities have only the mayor and a few elected representatives managing various responsibilities, making it difficult to specialize in energy matters. Even when technicians are present, they may lack specific training or familiarity with emerging energy solutions, such as self-consumption sites or renewable thermal energy systems.

Additionally, regulatory complexities pose a significant challenge. The introduction of ZAER legislation in France requires municipalities to identify and designate specific zones for renewable energy development. However, many local authorities struggle with this process due to limited knowledge and resources. Understanding the regulatory framework and correctly identifying suitable zones is crucial for compliance and efficient project implementation.

Another challenge is the lack of a strong regional network of energy associations and initiatives. Unlike regions such as Savoie, where numerous energy communities are actively developing, the Alpes-Maritimes region has fewer grassroots initiatives and a less dynamic ecosystem of



stakeholders. This results in a slower adoption of energy transition measures and limited collaboration opportunities.

Moreover, the complexity of actors involved in energy transition makes it difficult for municipalities to identify the right contacts and access financial support and public authorizations. There is a clear need for structured guidance and networking opportunities to streamline these processes.

### 3.2. Training programme

To address these challenges, we have identified several key training initiatives:

- a) **Two Workshops for Municipalities**, Assises Azuréennes de la Transition Energétique, Menton, 13/06/2024
  - Two dedicated workshops tailored for municipal representatives and technicians, focusing on capacity-building in critical areas, including:
    - One workshop about understanding and implementing the ZAER framework.
    - One workshop about renewable thermal energy solutions and their practical applications.
  - These workshops will provide municipalities with actionable knowledge and tools to navigate regulatory challenges and develop local energy projects effectively.
- b) **Online Training Programme**, January 2025 to March 2025
  - A comprehensive online course designed for municipal representatives and technicians.
  - Covers a broad range of topics related to energy transition, providing a holistic understanding of:
    - Fundamental energy concepts.
    - Policy and regulatory frameworks.
    - Available solutions for renewable energy development.
  - The programme aims to offer flexibility while ensuring that participants acquire essential knowledge to support their decision-making and project implementation.
- c) **In-Person Training and Networking Day**, Nice, CCI Nice Côte d'Azur headquarter, 18/03/2025
  - A full-day training session bringing together municipalities, technicians, solution providers, and key stakeholders.
  - Objectives:
    - Facilitate knowledge exchange among municipalities facing similar challenges.
    - Connect local authorities with relevant stakeholders to explore solutions and funding opportunities.
    - Promote collaborations between municipalities, associations, and technical experts to strengthen the regional energy transition network.

By implementing this structured training programme, we aim to bridge the knowledge gap, empower local representatives and technicians, and foster a more coordinated and efficient approach to energy transition in the Alpes-Maritimes region.

### 3.3. Results monitoring



The training program reached 70 participants, including municipal representatives (elected officials, mayors, and local authorities), technicians or individuals responsible for energy projects within municipalities, and stakeholders such as solution providers, public institutions in charge with funding and authorizations, and local energy associations who can provide support and foster partnerships.

Regarding the two workshops held as part of the Assises Azuréennes de la Transition Énergétique, attendance from municipal representatives was limited. However, a greater number of them were present at the event itself, allowing them to benefit from other sessions on energy transition and engage in networking opportunities with key stakeholders.

On a more positive note, the training program provided a valuable platform to raise awareness about energy transition and innovations such as self-consumption and renewable energy integration. It also facilitated networking, which has the potential to initiate a lasting dynamic beyond the project's duration. Our experience has demonstrated that collaboration between municipalities and various stakeholders is essential to drive systemic change but also to empower municipalities by providing the motivation and support needed to implement effective measures.

Municipalities representatives had the opportunity to discover or deepen knowledge about energy transition and be more confident and prepared in the implementation of their energy transition.

### 3.4. Lesson learnt

Organizing training sessions within larger events can help reach a broader audience, enhance networking opportunities for stakeholders, and cover a wider range of topics. However, it is essential to ensure that the right messages are effectively communicated to the intended audience. At times, targeting specific participants for particular workshops proved challenging due to the diverse and extensive attendance. A tailored communication strategy can help overcome this challenge by ensuring that the right participants are reached.

It was challenging to mobilize municipal representatives for the In-person training event. We needed to postpone the date of the event in order to reach more participants. This delay enabled us to mobilize a large number of actors in the energy transition serving municipalities at our March 18 event. Per total, 8 municipalities were able to receive direct training about these subjects and more than 35 participants in total.



### 3.5. Training activities datasheets

<b>Title</b>	<b>Workshops in the framework of the event «Assises Azuréennes de la Transition Energétique»</b>
<b>Type of activity</b>	2 workshops in presence: "Zone of acceleration of renewable energy production: making regulatory constraint an opportunity for the territories" "Renewable thermal energies (heat and cold), levers of the energy transition of companies and communities"
<b>Duration</b>	1 hour each
<b>Date</b>	13 June 2024
<b>Location</b>	Menton, France
<b>Trainer(s)</b>	Workshop 1 : Energy Project Manager at Nice Côte d'Azur Metropolis, Decarbonisation consultant at Urbanomy, Vice-Chairman responsible for water, wastewater and energy at Nice Côte d'Azur Metropolis, Territorial Coherence Scheme (SCoT) Project Manager at Riviera française Urban Community Workshop 2 : Planning and Energy Director at Sophia-Antipolis Urban Community, Renewable thermal energy Project Manager at Alpes-Maritimes County Council, Energy expert from the CCI Nice Côte d'Azur.
<b>Other entities involved in the organization</b>	Numerous organizations of the energy sector were present at the event, including EDF (France's main electricity producer and supplier), ENEDIS (the national electricity distribution network operator), GRDF (the main natural gas distribution operator in France), DALKIA (a subsidiary of EDF specializing in energy services and district heating), and numerous other public and private organizations and solution providers, enabling networking with municipalities.
<b>Contents</b>	The workshop focused on accelerating the deployment of Zones d'Accélération pour les Énergies Renouvelables (ZAER) to reduce fossil fuel dependence and achieve carbon neutrality by 2050. ZAER are designated areas where renewable energy projects (solar, wind, biomass, geothermal) are prioritized for faster approval and funding, minimizing regulatory and environmental constraints. The workshop aimed to help municipalities identify these zones and optimize local renewable energy production. Key themes included energy efficiency, electrification of industries and transport, and financial/regulatory support mechanisms. It also highlighted case studies and best practices to guide communities in their sustainable energy transition. The workshop on Renewable thermal energies focused on using renewable heat and cold solutions for energy transition in businesses and communities. France aims for carbon neutrality by 2050, with significant emission reductions in industry, transport, and buildings. Renewable thermal solutions include geothermal, biomass, solar thermal, heat recovery, and district heating networks. The CAP'THER06 program was presented, which provides financial and technical support to municipalities and businesses for renewable energy projects. Case studies showcased real-world applications like biomass boilers and geothermal heat pumps, promoting sustainable energy planning and infrastructure development.
<b>Number of participants (as trainees)*</b>	25 participants
<b>Pictures</b>	<a href="https://drive.google.com/drive/folders/1MwgO2X0jvJW4xgZ0MIHSEZckWhEE00Y4?usp=drive_link">https://drive.google.com/drive/folders/1MwgO2X0jvJW4xgZ0MIHSEZckWhEE00Y4?usp=drive_link</a>
<b>Link</b>	Training material: <a href="https://drive.google.com/drive/folders/1uEICjoW6-Y_vE8lrBI2yjbZ_D6X-X4vO?usp=drive_link">https://drive.google.com/drive/folders/1uEICjoW6-Y_vE8lrBI2yjbZ_D6X-X4vO?usp=drive_link</a>



Title	Energy transition event for municipalities
<b>Type of activity</b>	<p>A training day in presence which includes :</p> <ul style="list-style-type: none"> <li>- Training on several energetic transition themes</li> <li>- pitch sessions from local solution providers presenting concrete solutions to municipalities</li> <li>- a visit to the photovoltaic installation on the CCI Nice Côte d'Azur building—an exemplary case of a successful installation on a historical site.</li> <li>- a networking cocktail to facilitate exchanges and collaborations between municipal representatives and stakeholders</li> <li>- An online self-learning program that participants could complete in advance</li> </ul>
<b>Duration</b>	<p>An online self-learning program for approximatively 20 hours Half-day of training in presence for approximatively 6 hours</p>
<b>Date</b>	<p>The online self-learning program was available from January 2025 The training day took place the 18th of march 2025</p>
<b>Location</b>	<p>The training day took place at the headquarter of the CCI Nice Côte d'Azur</p>
<b>Trainer(s)</b>	<p>CCI Nice Côte d'Azur energy expert GRDF ENEDIS IMREDD DALKIA</p>
<b>Other entities involved in the organization</b>	<p>ENEDIS WIT BILLY GOFFARD ARCHITECTES</p>
<b>Contents</b>	<p>The content of the online training program can be accessed <a href="#">here</a>. The main objectives of the event were: To inform municipalities about energy transition solutions through theoretical concepts. To provide concrete solutions for implementing renewable energy projects. To connect municipalities with solution providers in the energy sector. To foster synergies between municipalities, solution providers, and support organizations like Agence 06. The full program of the day can be consulted <a href="#">here</a>. The material of the day can be consulted <a href="#">here</a>.</p>
<b>Number of participants (as trainees)*</b>	<p>10 participants for the online training program 35 participants for the event in person</p>
<b>Pictures</b>	<p><a href="#">Publier   Fil d'actualité   LinkedIn</a> <a href="#">Pictures of the training event</a></p>
<b>Link</b>	<p><a href="#">Agenda</a> <a href="#">Web page and online training program</a></p>



## 4. Spanish target area (by FAMP + USpace)

### 4.1. Introduction

The main objective of the capacity-building program developed by FAMP is to enhance the skills and knowledge of the members of the Intermunicipal Technical Structure (IMTS) in the context of energy transition planning. It is mainly addressed to political representatives and municipal technicians acquiring sufficient training to be able to implement effective strategies aligned with the Life-SMART project. The aim is to enhance expertise on energy and energy transition in order to ensure a shared approach to planning at local level. This programme is broken down into four training courses that are designed to address the skills development demands identified in the target area, especially among the members of the IMTS of La Loma Occidental, province of Jaén.

The methodology combines 4 online training courses with PowerPoint presentations by several trainers specialised in these topics, who encouraged the participation of the attendees with a practical exercise at the end of each course. The target groups for this programme include:

- IMTS members.
- Other staff of the local entities involved in the IMTS who wish to participate.
- Local actors who collaborate with entities involved in the IMTS in areas related to the project.

#### Course 1: Basic energy knowledge

The main objective of the first training course was to introduce basic notions and develop skills necessary to understand the rest of the courses. For this purpose, fundamental concepts related to energy transition, energy efficiency and energy use were addressed.

During the capacity-building, topics such as climate change and mitigation and adaptation strategies, energy efficiency in buildings and the role of renewable energies in the energy transition were discussed. The issue of energy poverty and just transition was also addressed, as well as the main European energy policy frameworks including the European Green Deal, the PowerEU Plan, the Renovation Wave and other European projects.

#### Course 2: Tools for the energy transition of municipal assets

This second course served to provide participants with a technical understanding of several essential tools for energy transition in the municipal context. It discussed strategies, practical solutions and useful alternatives to increase energy efficiency in public buildings, public lighting and energy management systems.

First, best practices in energy rehabilitation in public buildings were examined, including renewable energies, energy savings and the use of White Certificates (WCs). This was followed by a discussion on the efficiency of public lighting, looking at its impact on municipal electricity consumption, the methodologies used for its evaluation and existing improvement projects, as well as funding opportunities.

The course also included a section dedicated to mobility and the municipal fleet, where solutions to optimise transport were explored and funding opportunities adapted to municipalities of different sizes were presented.



Finally, the Energy Management Systems (EMS), their implementation and regulations at the local level were discussed, including knowledge on tools for monitoring and follow-up of consumption, as well as the planning of future actions.

### Course 3: Financing tools for energy transition through the development of renewable energies

The main objective of the third course was to provide participants with a detailed understanding of the possibilities offered by renewable energies in the energy transition at the local level. The use of these energies was addressed by analysing available technologies and their impact on the energy transition. Turnkey renewable energy or Energy Performance Contract projects were explored, and the types of projects and financing opportunities were explained.

Compensatory measures for these renewable energy projects by private entities within the municipality and how to implement them were also discussed. Success stories from other municipalities were discussed through different experiences, highlighting the advantages of each model, key differences and good practices that had been applied in different localities.

### Course 4: Climate change adaptation

The main objective of the fourth course was to raise participants' awareness of the need to adapt municipalities to climate change, understanding the importance of adaptation, the different types of adaptation and the funding opportunities available. The SECAP was explained as a key strategic document for defining and structuring adaptation measures, as well as the importance of public-private collaboration in its development, with special reference to the experience of the LIFE CityAdaP3 project.

Good practices and examples of municipal actions against climate change were also presented, with special emphasis on initiatives developed in Andalucía. The module included a block on strategies to protect the population from high temperatures, highlighting the importance of having a heatwave action plan.

This course counted with the participation of the Andalusian Office for Climate Change (under the Regional Government of Andalusia), entity from which the Municipal Plans against Climate Change (PMCC) are driven. The Office was represented by Susana Álvarez, Head of the Climate Change Department of the Andalusian Environment and Water Agency. Her intervention offered important keys regarding the implementation and development of this important initiative of the Regional Government of Andalusia, as these plans are configured as a strategic document to fight climate change from the local level, including lines of action for the mitigation of greenhouse gas emissions, the transition to a new energy model and adaptation to climate change. It is expected that within the framework of the Life project, the municipalities of La Loma Occidental can be assisted in finalising the draft plans that each municipality will receive from the Andalusian Office for Climate Change.

## **4.2. Training programme**

A total of 10 sessions were held, all of them in online mode (streaming) and were also recorded for reporting purposes and are therefore accessible through links in this report. Each online session lasts two hours. The estimated duration of the individual activities to consolidate knowledge and assimilate concepts at the end of each course is also two hours.



The following is the list of events/activities of the capacity-building program for the Intermunicipal Technical Structure of La Loma Occidental, in chronological order and with their respective dates:

#### **Course 1 - Basic energy knowledge**

- 5 November 2024 (16:30-18:30)
- 7 November 2024 (16:30-18:30)
- 12 November 2024 (16:30-18:30)
- 2 hours for practical exercise.

#### **Course 2 - Tools for the energy transition of municipal assets**

- 19 November 2024 (16:30-18:30)
- 21 November 2024 (16:30-18:30)
- 26 November 2024 (16:30-18:30)
- 2 hours for practical exercise.

#### **Course 3 - Financing tools for the energy transition through the development of renewable energy**

- 14 January 2025 (16:30-18:30)
- 16 January 2025 (16:30-18:30)
- 2 hours for practical exercise.

#### **Course 4 - Climate change adaptation**

- 21 January 2025 (16:30-18:30)
- 23 January 2025 (16:30-18:30)
- 2 hours for practical exercise.

### **4.3. Results monitoring**

#### Participants and KPIs

Currently, after completion of the training course, 22 people have been trained, including public representatives and technical staff from the local entities involved, that is:

- Baeza Town Council: 1 municipal technician.
- Begíjar Town Council: 1 public representative, 1 municipal technician.
- Canena Town Council: 1 public representative, 1 municipal technician.
- Ibros Town Council: 1 public representative, 2 municipal technicians.
- Lupión Town Council: 1 public representative,
- Rus Town Council: 2 municipal technicians.
- El Mármol Autonomous Local Entity: 1 public representative, 1 municipal technician.
- Torreblascopedro Town Council: 3 public representatives.
- Villatorres Town Council: 3 public representatives, 1 municipal technician.
- Jaén Provincial Council: 2 technicians.

In addition to the public representatives and municipal technicians, 7 more persons have received the training course.



- 2 external stakeholders identified by the Provincial Council of Jaén.
- 1 representative of U-Space (as a project partner organisation and member of the IMTS).
- 4 representatives of FAMP (as a project partner organisation and coordinating member of the IMTS).

Counting the three trainers, this adds up to a total of 32 people benefiting from the training plan as of the date of this report.

### Satisfaction questionnaires

In order to guarantee the quality and effectiveness of the actions developed within the framework of Life-SMART, an online satisfaction questionnaire was elaborated so that the registered participants could evaluate some questions that will be taken into account when planning future activities.

Listed below are the questions asked in the survey and a summary of the results:

- How would you rate the structure and organisation of the activity in terms of the distribution of the contents in the four thematic training courses?
  - o On a scale of 1 to 10, the majority of responses concentrated on 8.
  - o Only one response gave a rating below 8, namely 5.
- To what extent do you consider this knowledge useful for your work in local public administration?
  - o On a scale of 1 to 10, the majority of responses concentrated between 7 and 9.
  - o Some responses gave values of 5 and 6, and only one 10.
- How illustrative do you find the materials provided to support the training: PowerPoint presentations, module guides and activity sheets?
  - o On a scale of 1 to 10, most responses concentrated between 9 and 10.
  - o Some responses gave values of 6 and 7.
- Do you consider the participation of the Andalusian Office for Climate Change positive for the training?
  - o On a scale of 1 to 10, the majority of responses concentrated between 9 and 10.
- In general, how would you rate your overall satisfaction with the training plan on local energy transition?
  - o On a scale of 1 to 10, this was the question with the greatest dispersion, with values between 6 and 10.
- Finally, at the organisational level: for this type of actions, do you prefer the morning or the afternoon schedule?
  - o More than half of the respondents expressed a preference for the morning timetable, more than a quarter were indifferent and less than a quarter preferred the afternoon timetable.
- Additional comments
  - o No additional comments raised.

#### **4.4. Lesson learnt**

According to the results of the online satisfaction questionnaires, it can be affirmed that the training itinerary developed in the framework of the Life SMART project has been an enriching experience



for the members of the Intermunicipal Technical Structure (ITS), facilitating the acquisition of key knowledge on energy transition.

The strengths and weaknesses of the programme are outlined below:

Strengths:

- Practical and applicable approach: The design of the programme allowed participants to transfer the knowledge acquired to real situations within their municipalities, favouring an action-oriented training.
- Relevance of the contents: The topics addressed aroused the interest of the attendees.
- Strengthening networking: The training pathway not only facilitated individual learning, but also contributed to the cohesion of the IMTS, promoting the exchange of experiences and the generation of synergies between the participating municipalities.
- Regional Government participation: the participation of the Andalusian Office of Climate Change to talk about the Municipal Plans against Climate Change was one of the great values of the training course, as it offered some key informations to these documents, whose drafting is mandatory for all municipalities according to regional regulations.

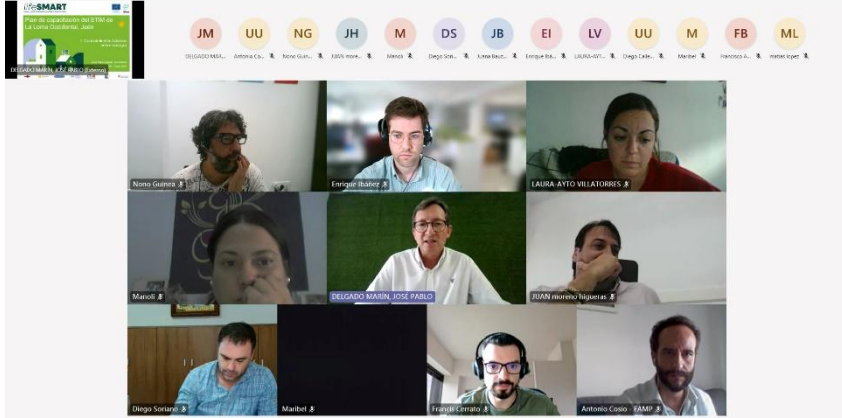


Weaknesses:

- Difficulties in attendance: while the attendance of municipal technicians was more regular, the nature of the work of public representatives (subject to a more dynamic and unpredictable agenda) has impacted on their less regular attendance. Furthermore, following the results of the survey, one of the main lessons learned is that morning hours are the preferred time for most IMTS members when it comes to organising project actions.
- Unequal level of prior knowledge: Some attendees had limited knowledge of energy transition, which could make it difficult to assimilate certain key concepts.
- Density of content in a short time: The volume of information provided in each session may have been too much for some participants, hence the recording of the sessions.

#### 4.5. Training activities datasheets

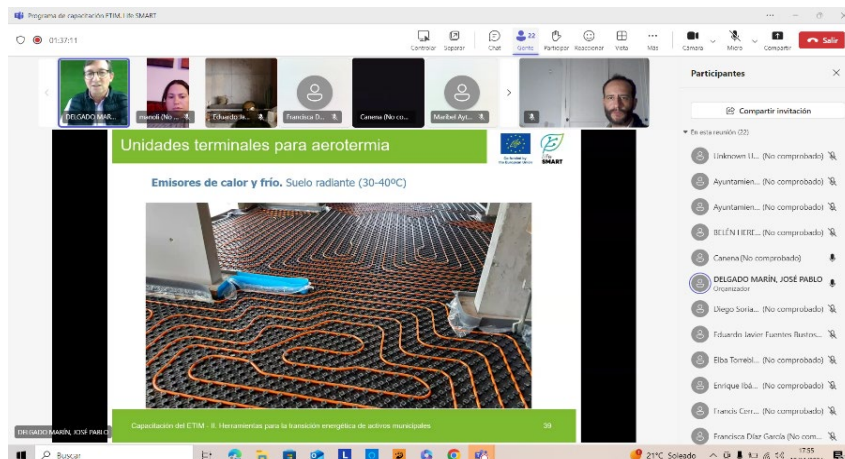
Title	Course 1: Basic energy knowledge
Type of activity	Online synchronous sessions
Duración	Total: 8 hours. 3 sessions of 2 hours each plus 2 hours of practical exercise.
Date	5, 7 and 12 November 2024
Location	Online
Trainer(s)	José Pablo Delgado Marín, Manuel Moreno Nicolás
Other entities involved in the organization	FAMP's technical assistance and energy experts within IMTS: EuroVértice. <a href="https://eurovertice.eu/">https://eurovertice.eu/</a>
Contents	Introduction to energy transition, including climate change, energy efficiency, renewable energies, energy poverty and the European framework.
Number of participants (as	20 trainees (for KPI purposes) + 5 additional trainees (U-Space, FAMP and external stakeholders).



trainees)*	
Pictures	 <p>05/11/2024</p>  <p>07/11/2024</p>  <p>12/11/2024</p>
Link	<p>You Tube links to event video recording:</p> <p><a href="#">Session 05/11/2024</a></p> <p><a href="#">Session 07/11/2024</a></p> <p><a href="#">Session 12/11/2024</a></p> <p><a href="#">Link to the materials in Spanish</a></p>
Title	Course 2 - Tools for the energy transition of municipal assets
Type of activity	Online synchronous sessions

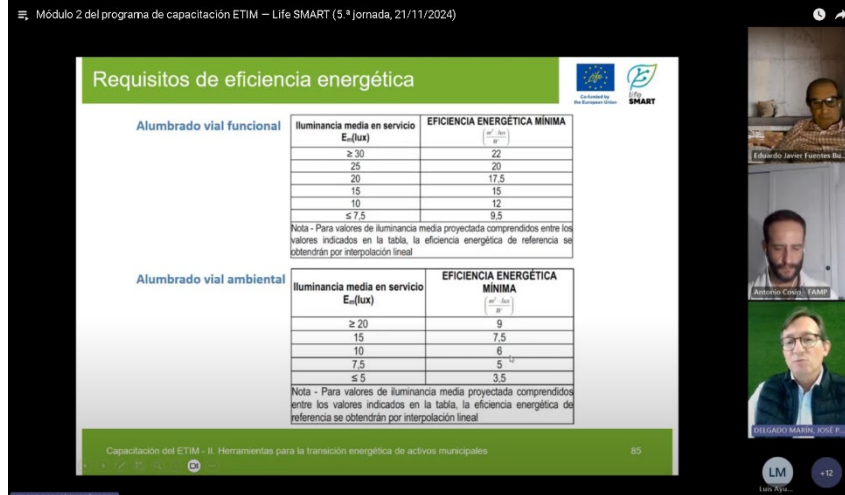


<b>Duración</b>	Total: 8 hours. 3 sessions of 2 hours each and 2 hours of practical exercise..
<b>Date</b>	19, 21 and 26 November 2024
<b>Location</b>	Online
<b>Trainer(s)</b>	José Pablo Delgado Marín, Manuel Moreno Nicolás
<b>Other entities involved in the organization</b>	FAMP's technical assistance and energy experts within IMTS: EuroVértice. <a href="https://eurovertice.eu/">https://eurovertice.eu/</a>
<b>Contents</b>	Energy management in public buildings, efficient lighting, sustainable mobility and energy management systems.
<b>Number of participants (as trainees)*</b>	19 trainees (for KPI purposes) + 4 additional trainees (U-Space, FAMP and external stakeholders).



19/11/2024

**Pictures**



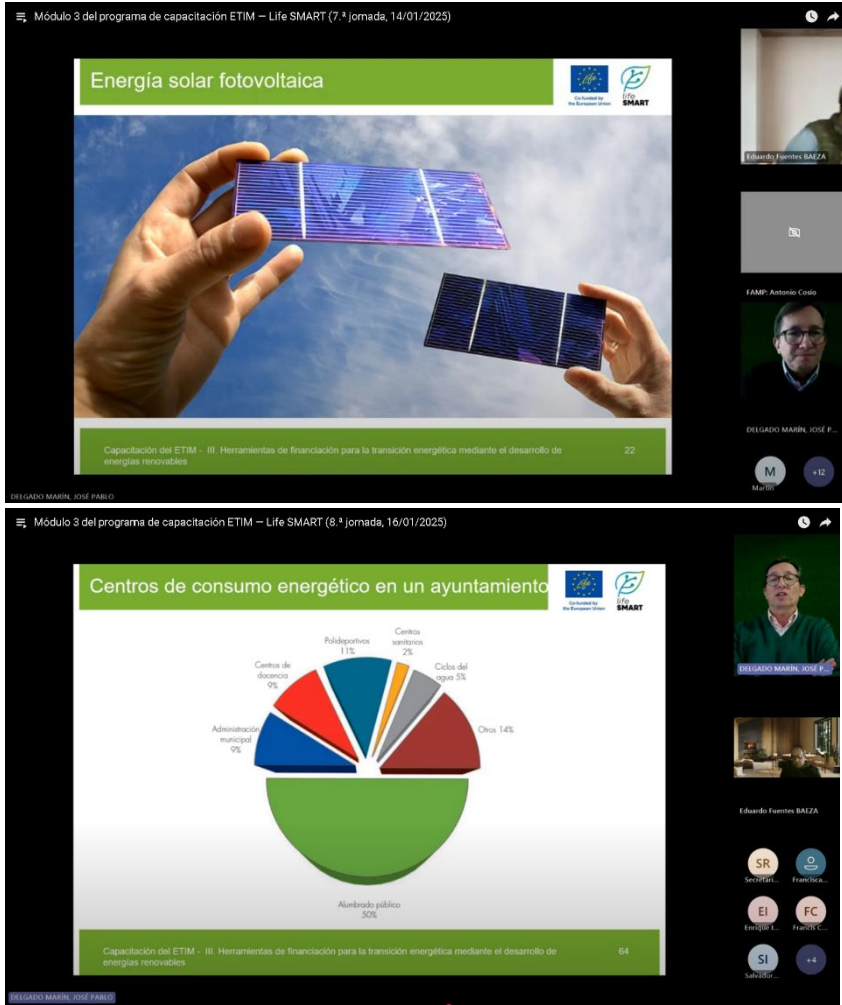
21/11/2024



<p><b>Link</b></p>	<p>You Tube links to event video recording:</p> <p><a href="#">Session 19/11/2024</a></p> <p><a href="#">Session 21/11/2024</a></p> <p><a href="#">Session 26/11/2024</a></p> <p><a href="#">Link to the materials in Spanish</a></p>

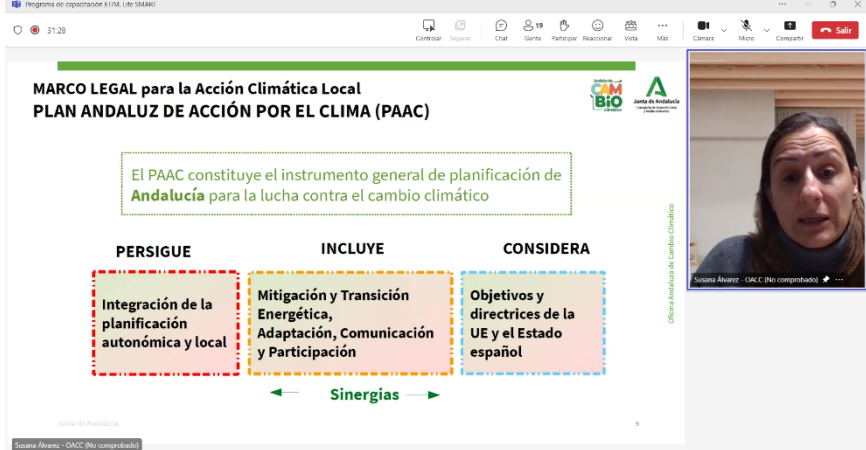

<p><b>Title</b></p>	<p><b>Course 3 - Financing tools for the energy transition through the development of renewable energy</b></p>
<p><b>Type of activity</b></p>	<p>Online synchronous sessions</p>
<p><b>Duración</b></p>	<p>Total: 6 hours. 2 sessions of 2 hours each and 2 hours of practical exercise..</p>
<p><b>Date</b></p>	<p>14 y 16 January 2025</p>
<p><b>Location</b></p>	<p>Online</p>
<p><b>Trainer(s)</b></p>	<p>José Pablo Delgado Marín</p>
<p><b>Other entities involved in the organization</b></p>	<p>FAMP's technical assistance and energy experts within IMTS: EuroVértice. <a href="https://eurovertice.eu/">https://eurovertice.eu/</a></p>
<p><b>Contents</b></p>	<p>Funding opportunities for renewable energies, energy communities and White Certificates.</p>
<p><b>Number of participants (as trainees)*</b></p>	<p>13 trainees (for KPI purposes) + 4 additional trainees (U-Space, FAMP and external stakeholders).</p>



<p><b>Pictures</b></p>	 <p>Módulo 3 del programa de capacitación ETIM – Life SMART (7.ª Jornada, 14/01/2025)</p> <p>Energía solar fotovoltaica</p> <p>Capacitación del ETIM - III. Herramientas de financiación para la transición energética mediante el desarrollo de energías renovables</p> <p>14/01/2025</p> <p>Módulo 3 del programa de capacitación ETIM – Life SMART (8.ª Jornada, 16/01/2025)</p> <p>Centros de consumo energético en un ayuntamiento</p> <p>Capacitación del ETIM - III. Herramientas de financiación para la transición energética mediante el desarrollo de energías renovables</p> <p>16/01/2025</p>
<p><b>Link</b></p>	<p>You Tube links to event video recording:</p> <p><a href="#">Session 14/01/2025</a></p> <p><a href="#">Session 16/01/2025</a></p> <p><a href="#">Link to the materials in Spanish</a></p>

<p><b>Title</b></p>	<p>Course 4 - Climate change adaptation</p>
<p><b>Type of activity</b></p>	<p>Online synchronous sessions</p>
<p><b>Duración</b></p>	<p>Total: 6 hours. 2 sessions of 2 hours each and 2 hours of practical exercise..</p>
<p><b>Date</b></p>	<p>21 y 23 January 2025</p>
<p><b>Location</b></p>	<p>Online</p>
<p><b>Trainer(s)</b></p>	<p>José Pablo Delgado Marín</p>
<p><b>Other entities involved in the organization</b></p>	<p>FAMP's technical assistance and energy experts within IMTS: EuroVértice. <a href="https://eurovertice.eu/">https://eurovertice.eu/</a> Andalusian Office for Climate Change. <a href="https://www.juntadeandalucia.es/medioambiente/portal/web/cambio-climatico/oficina-">https://www.juntadeandalucia.es/medioambiente/portal/web/cambio-climatico/oficina-</a></p>



	<a href="#">cambio-climatico</a>
<b>Contents</b>	Municipal climate adaptation measures, high temperature strategies and municipal climate change plans.
<b>Number of participants (as trainees)*</b>	15 trainees (for KPI purposes) + 6 trainees (U-Space, FAMP and external stakeholders).
<b>Pictures</b>	 <p>21/01/2025</p>  <p>23/01/2025</p>
<b>Link</b>	<p>You Tube links to event video recording</p> <p><a href="#">Session 21/01/2025</a></p> <p><a href="#">Session 23/01/2025</a></p> <p><a href="#">Link to the materials in Spanish</a></p>



## 5. Italian target area (by CMCR+Cras)

### 5.1. Introduction

The training program was promoted as part of the Life-SMART project to develop the necessary skills and foster in-depth knowledge of topics relevant to the planning and launch of initiatives for the energy transition in the Valle Ustica Union area.

The training activities - which will be conducted in collaboration with GSE, ENEA and Regione Lazio, as project supporters since its application - are primarily targeted at the members of the recently established Inter-Municipal Technical Support Structure (IMTS) and other representatives of the 5 municipalities of the target area (so-called "narrow target"), nevertheless some of the training sessions were opened also to representatives of the local community who are believed to have an active role in the energy transition process, e.g. businesses, professionals, associations, parishes, commercial activities, tourism operators, etc. ("medium target") as well as to representatives from neighbouring municipalities, in order to strengthen the network for possible collaborations ("broad target").

Following the different targets the training programme was planned to include different kind of activities from seminar or webinar with a more informative approach open to the broader target audience, to workshops focused on the Valle Ustica needs and projects restricted to IMTS members, local policy makers and technicians. Besides this a selection of external initiatives, documents and tools was shared with IMTS members and forwarded to the mailing list of events participants.

The topics covered by the training program were identified starting from the requests emerged in the preliminary discussion with the representatives of the Municipalities, aggregated consistently with the intervention options considered likely to have concrete developments within the time limits of the Life SMART project, but also functional to outline future perspectives and ensure the sustainability of the project results over time:

- Collective self-consumption and energy communities
- Energy efficiency and development of renewable sources in the public sector
- Energy transition and future perspectives of the IMTS.

### 5.2. Training programme

The training programme has been revised several times, due to the limited availability of the local policy makers and technicians and their request to focus on financial aspects. In particular attention was paid mainly to the REC implementation and the opportunities to install a new PV plant serving at least the 4 municipalities of the Union within the boundaries of the same primary energy distribution substation, which is one of the 3 actions that municipalities agreed to work on. The activities held were the following:

- Seminar (Broad target) - Renewables energy communities and other distributed self-consumption configurations: opportunities for the territory, 17/10/2024 in Roccagiovine;
- Webinar (Broad target) - Energy Transition: Funding Opportunities and Prospects for Municipalities, 17/12/2024;



- Preparatory meeting (IMTS) - Financing opportunity from RESPIRA project (LegaCoop-Etica Bank), 18/02/25;
- Preparatory online meeting (IMTS) - Financing opportunity from third party (ESCo), 05/03/25;
- Preparatory online meeting (IMTS) - Financing opportunity from “Cassa Depositi e Prestiti”, 06/03/25;
- Online workshop (Narrow target) - Projects for the Valle Ustica Union, 18/03/25.

As project beneficiaries and IMTS members agreed on the importance of delve deeper into the other 2 actions identified as local energy transition priorities, further training activities will take place in parallel with the development of the local strategy, in particular the following events are still planned:

- Online workshop (Narrow target) – Feasible public buildings energy retrofitting projects for the Municipalities of the Valle Ustica Union and available incentive/financing schemes, May/June 2025.
- Seminar/webinar (Broad target) - Further proposals about local energy transition and opportunities to support the evolution of IMTS to One-Stop-Shop, May/June 2025.

### 5.3. Results monitoring

In order to support the monitoring of participation and satisfaction of t, a registration form and a feedback questionnaire (gform) were prepared on the occasion of the first and the second events (link 1<sup>st</sup> event questionnaire: <https://forms.gle/Sg37Rt6cKmSiHsav7>; link 2<sup>nd</sup> event questionnaire: <https://forms.gle/G4SBoLsSodmajquo7> ), moreover the participants to the seminar in presence were required to fill an attendance sheet, while after all the events (excluding the preparatory meetings) all the participants received a follow-up email with attached presentations. This email was also sent to some of the registered people, even if not attended the session, especially if belonging to the municipal staff,

In terms of participant numbers, the people who participated in at least one of the three main training events organized so far within the Life SMART project for the Italian target area (excluding participants in the preparatory meetings of the third event, as they involved only project partners and IMTS) total 53, with 17 people participating in 2 or more meetings. The numbers for individual events are reported in the following paragraph datasheets.

Regarding the composition of the audience, the incidence of representatives of project partners or invited speakers was high (16, approximately 30%), while within the quota of those who can be considered properly trainees (approximately 37, about 70%), about a third (13) consists of representatives of the municipalities of the Union or neighbouring areas.

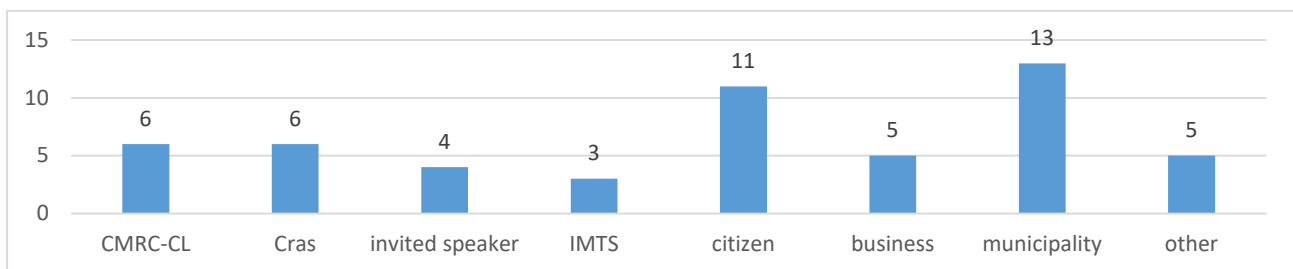


Figure 1 Composition of the training events audience.



In terms of satisfaction, the results of the questionnaire - composed of 5 questions, one of which was specifically for evaluating the training event from 3 different points of view and 3 to collect questions and suggestions - were generally very positive in both the first and second meetings, although the response rate in both cases was not very high (13 responses out of 35 participants for the first meeting and 8 out of 32 in the second).

**# 1 - 17/10/24 - Feedback**

Ciclo di incontri formativi  
**lifeSMART**  
Support small Municipalities towArds energy Transition

Feedback | Ciclo di incontri formativi lifeSMART #1 - 17/10/24

Chiediamo gentilmente ai partecipanti di fornire un breve commento sull'incontro di oggi, ci aiuterà a migliorare l'organizzazione delle prossime attività

Come valuti i seguenti aspetti dell'incontro di oggi? \*

	molto soddisfatto	abbastanza soddi...	poco soddisfatto	per nulla soddisf...
Organizzazione del...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rilevanza degli arg...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Livello di appron...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Hai domande specifiche sui temi della giornata di oggi a cui vorresti ricevere risposta? Se sì, indicale di seguito specificando un indirizzo mail, proveremo a risponderti

Testo risposta lunga

Vorresti suggerire temi o questioni da approfondire nei prossimi incontri? Se sì, indicali di seguito, proveremo a integrarli nella programmazione

Testo risposta lunga

Ti viene in mente qualche organizzazione/persona che, pur non essendo presente oggi, potrebbe essere interessato a partecipare ai prossimi incontri? Se sì, indica uno o più contatti, provvederemo a invitarli.

Testo risposta lunga

Eventuali note o suggerimenti

Testo risposta lunga

Figure 2 Feedback questionnaire screenshot (in Italian) - event 1

## 5.4. Lesson learnt


The political changeover in the most populous of the 5 municipalities has led to a temporary misalignment among the mayors of the Union, and therefore the need to rebuild the basis necessary for the development of joint projects. This is at least partly responsible for the difficulty in fully involving the representatives of local policy makers and technicians in the whole training programme.

To compensate for this critical issue, on the one hand, it was deemed appropriate to try to stimulate general interest by opening the meetings to the participation of neighbouring municipalities and local professionals. This has demonstrated a good level of general interest, including from citizens, and suggested potential future synergies, besides the low continuity in the composition of the audience.

On the other hand, it was deemed appropriate to more explicitly associate the training sessions with the development of the local energy transition strategy, therefore postponing some meetings and plan them as “operational” as possible, particularly focusing on aspects related to funding opportunities. In this sense, the intent is also to meet the very technical and specific training needs of the IMTS members, who, being already highly specialized, were on some occasions called upon to play a partially different role than initially envisioned, more oriented towards a contribution as trainers rather than as trainees.



## 5.6. Training activities datasheets

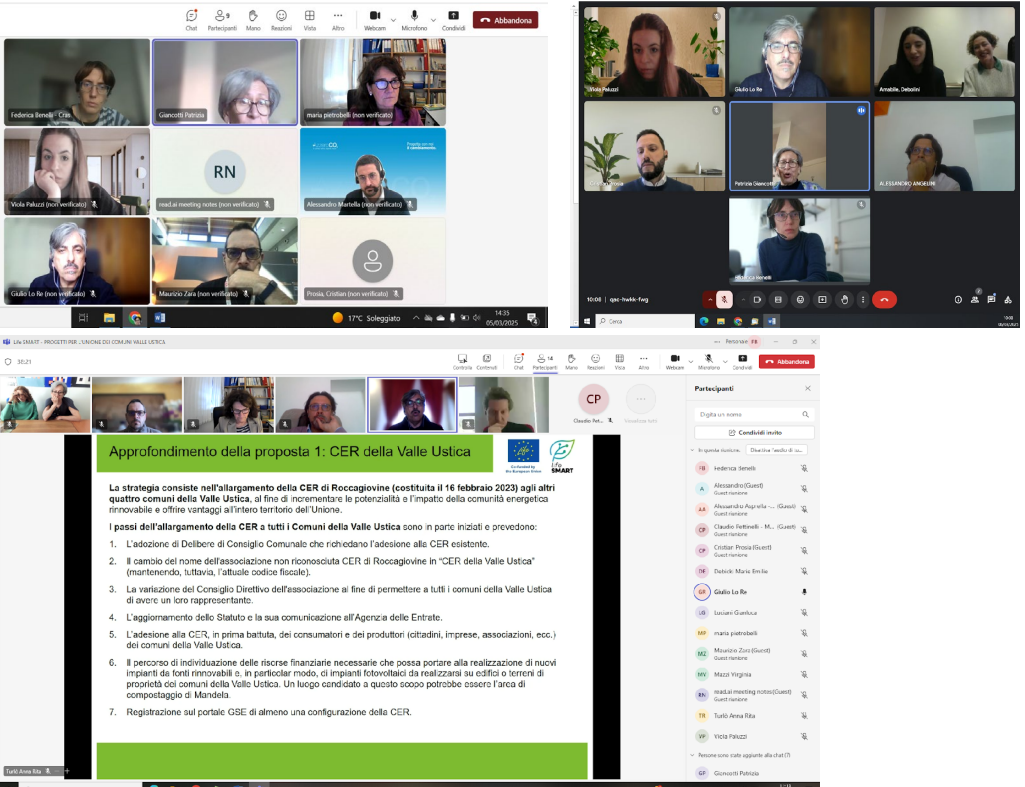
<b>Title</b>	<b>1. Renewables energy communities and other distributed self-consumption configurations: opportunities for the territory</b>
<b>Type of activity</b>	Seminar
<b>Duration</b>	3 hours
<b>Date</b>	17/11/2024
<b>Location</b>	Council Room, Roccagiovine (one of the 5 municipalities of the Valle Ustica Union)
<b>Trainer(s)</b>	Consuelo Santoro, engineer from GSE (National Energy Service Management body) Andrea Vignoli - Gabriele Magni, experts from Anci Lazio (Regional branch of the Italian Association of Municipalities) representing the Life project Comanage Giulio Lo Re - Christian Prosia, engineers/IMTS members
<b>Other entities involved in the organization</b>	Invited speakers from: GSE (National Energy Service Management body), Anci Lazio (Regional branch of the Italian Association of Municipalities)
<b>Contents</b>	The event aims at exploring the opportunities related to Renewable Energy Communities (RECs) in the Italian target area. An expert from GSE (the national energy services managing body) provided an overview of the current incentive framework. Anci Lazio presented some of the tools developed by the <a href="#">Life COMANAGE project</a> to support municipalities involved in RECs. IMTS members outlined the REC project initiated by Roccagiovine, which is now open to participation from neighboring municipalities. The meeting concluded with a stimulating discussion.
<b>Number of participants (as trainees)*</b>	32 participants: 10 from project partners + 22 locals
<b>Link</b>	Web site news: <a href="https://www.cras-srl.it/en/news/avviato-il-programma-di-formazione-di-life-smart-nellarea-target-italiana/">https://www.cras-srl.it/en/news/avviato-il-programma-di-formazione-di-life-smart-nellarea-target-italiana/</a> IG post: <a href="https://www.instagram.com/p/DBqOIO4MC91/?utm_source=ig_web_copy_link&amp;igsh=MzRIODBiNWFIZA==">https://www.instagram.com/p/DBqOIO4MC91/?utm_source=ig_web_copy_link&amp;igsh=MzRIODBiNWFIZA==</a>
<b>Pictures</b>	



<b>Title</b>	<b>2. Energy transition: funding opportunities and prospects for municipalities</b>
<b>Type of activity</b>	webinar
<b>Duration</b>	3 hours
<b>Date</b>	17/12/2024
<b>Location</b>	Zoom platform
<b>Trainer(s)</b>	Consuelo Santoro, engineer from GSE (National Energy Service Management body) Maria Tiziana Marcelli, Executive team member at Lazio Innova (Regional Development Agency - Lazio region) Maria Pietrobelli, architect/expert from Cras Maurizio Zara, engineer from Cras
<b>Other entities involved in the organization</b>	Invited speakers from: GSE (National Energy Service Management body), Lazio Innova (Lazio Region in-house company providing technical assistance in the management of EU funds and programmes)
<b>Contents</b>	The second training session aims at discussing the funding channels that local authorities, individually or in association, can turn to for support in developing and implementing projects related to the energy transition. In addition to the framework of metropolitan-level guidelines, the opportunities currently available at the European, national, and regional levels are illustrated, highlighting the conditions for accessing funds and the factors that favour the development of successful proposals.
<b>Number of participants (as trainees)*</b>	56 registrations - 30 participants: 10 project partners + 20 locals
<b>Pictures</b>	(video recording available)
<b>Link</b>	Web site news: <a href="https://www.cras-srl.it/news/secondo-incontro-del-programma-di-formazione-di-life-smart-nellarea-target-italiana/">https://www.cras-srl.it/news/secondo-incontro-del-programma-di-formazione-di-life-smart-nellarea-target-italiana/</a> IG post: <a href="https://www.instagram.com/p/DDzE5-aMglw/?utm_source=ig_web_copy_link&amp;igsh=MzRIODBiNWFIZA==">https://www.instagram.com/p/DDzE5-aMglw/?utm_source=ig_web_copy_link&amp;igsh=MzRIODBiNWFIZA==</a>

<b>Title</b>	<b>Projects for the Valle Ustica Union - workshop</b>
<b>Type of activity</b>	Preparatory meetings + online workshop
<b>Duration</b>	(2+2+1) + 3 hours
<b>Date</b>	(18/2 + 5/03 + 6/03) + 18/03/2025
<b>Location</b>	Zoom/Teams platform
<b>Trainer(s)</b>	Giulio Lo Re, engineers/IMTS members
<b>Other entities involved in the organization</b>	Preparatory meeting invited speakers from: Lega COOP (Enterprises' association – 18/02), Azzero CO2 (ESCo – 5/03), Cassa Depositi e Prestiti (Public financing institution – 6/03)
<b>Contents</b>	During this activity, 3 potentially accessible funding channels were explored to support the construction of a photovoltaic system serving the Union of Municipalities: access to RESPIRA initiative promoted by LegaCOOP with Etica Bank; project financing with the involvement of a private ESCO, access to a REC dedicated loan offered by a public



	<p>financing institute. Three preparatory meetings were held with the participation of IMTS members, CMRC, and Cras, during which representatives of entities identified as potential funders illustrated access requirements, main procedural steps, and conditions of their involvement.</p> <p>Following the preparatory meetings, a workshop open to the mayors was held where three proposals for the energy transition of the Union were presented and the related funding options were discussed, including the three identified as concerning the PV plant project.</p>
<p><b>Number of participants (as trainees)*</b></p>	<p>Workshop: 13 participants (+5+8+8 participants to preparatory meetings)</p>
<p><b>Link</b></p>	<p>---</p>
<p><b>Pictures</b></p>	 <p>The screenshot shows a Zoom meeting interface. On the left, a grid of video thumbnails shows several participants. On the right, another grid shows more participants. At the bottom, a slide is displayed with the following text:</p> <p><b>Approfondimento della proposta 1: CER della Valle Ustica</b></p> <p>La strategia consiste nell'allargamento della CER di Roccajovine (costituita il 16 febbraio 2023) agli altri quattro comuni della Valle Ustica, al fine di incrementare le potenzialità e l'impatto della comunità energetica rinnovabile e offrire vantaggi all'intero territorio dell'Unione.</p> <p><b>I passi dell'allargamento della CER a tutti i Comuni della Valle Ustica sono in parte iniziati e prevedono:</b></p> <ol style="list-style-type: none"> <li>1. L'adozione di Delibere di Consiglio Comunale che richiedano l'adesione alla CER esistente.</li> <li>2. Il cambio del nome dell'associazione non riconosciuta CER di Roccajovine in "CER della Valle Ustica" (mantenendo, tuttavia, l'attuale codice fiscale).</li> <li>3. La validazione del Consiglio Direttivo dell'associazione al fine di permettere a tutti i comuni della Valle Ustica di avere un loro rappresentante.</li> <li>4. L'aggiornamento dello Statuto e la sua comunicazione all'Agenzia delle Entrate.</li> <li>5. L'adesione alla CER, in prima battuta, dei consumatori e dei produttori (cittadini, imprese, associazioni, ecc.) dei comuni della Valle Ustica.</li> <li>6. Il percorso di individuazione delle risorse finanziarie necessarie che possa portare alla realizzazione di nuovi impianti da fonti rinnovabili e, in particolar modo, di impianti fotovoltaici da realizzarsi su edifici o terreni di proprietà dei comuni della Valle Ustica. Un luogo candidato a questo scopo potrebbe essere l'area di compostaggio di Mandata.</li> <li>7. Registrazione sul portale GSE di almeno una configurazione della CER.</li> </ol>



## PART III - Conclusions (by task leader)

Training formats - Training sessions were carried out following different formats according to the local needs, ranging from an intensive in-person course held in presence in Eastern Thessaloniki, to the multiple online sessions organized in Andalusia. In Provence and in the Metropolitan area of Rome different types of activities were combined. Most training programs scheduled several thematic sessions distributed between autumn 2024 and spring 2025, only Anatoliki opted to organize an intensive program, held in February 2025.

Audience - In all cases, the participants in the training sessions included not only IMTS members but also local policymakers and technicians. In most cases, local stakeholders were also involved, which helped to widen the audience. The results in terms of participants, accounted as the KPI “9. Skills Number of people trained”, following the LIFE KPI webtool Guidance for LIFE-CET project coordinators are:

Greece	Portugal	France	Spain	Italy	Total
18 (11+8)	47 (38+5+4)	70	32 (22+7+3)	53 (37+4+12)	217

Involvement of third parties - In most cases, project partners benefitted from the involvement of third-party expert bodies. Their contribution, in the role of trainer or facilitator, was acknowledged as very constructive, helping to reinforce the reliability of events and contributing to enhance networking potential. These included ADENE and the University of Porto Alegre in Portugal, Energy service companies and the Côte D’Azur University in France, Eurovértice and the Andalusian Office for Climate Change in Spain, the National Energy Services Management body in Italy (GSE).

The involvement of other public bodies at an institutional level other than local one can be considered as an opportunity in terms of the potential activation of a multilevel governance mechanism in the near future. Further synergies have been achieved with other EU-funded projects as the CityAdaP3 project, mentioned by FAMP, and the life Comanage involved by CMRC.

Contents - In terms of content, all the training programmes correctly framed local measures within the EU energy and climate policy. Particular attention was paid to the Covenant of Mayors initiative. Target and constraints raised by the national legal framework, were also considered key issues as well as funding opportunities (such as the ZAER initiative deeply explored in the French target area and the incentives available for RECs in the Italian one).

In general, a very practical approach, oriented towards the exploration of real life initiatives, was considered as an added value. For instance, the training programme organized by Anatoliki included a detailed analysis of specific energy retrofitting projects and study visits, while the one by Areanatejo offered a specific session dedicated to best practice and case studies.

Results - In general, project beneficiaries generally registered a high level of interest from the municipalities involved, despite this, ensuring the attendance of the local authorities’ staff was always challenging. Only a tailored – very intense - communication activity could help overcome the issue and foster their engagement.

The task has been concluded successfully in all target areas, even though in the Italian target area training activities will continue in parallel with the elaboration of the common strategy.



## LIST OF ANNEXES IN NATIONAL LANGUAGES:

### Annexes related to the Greek target area

EL\_ANATOLIKI 2.3 Advanced training, including the following folder:

- 2 Days Seminar 25-26\_02\_2025 (including Agenda and invitation, presentations, library)

### Annexes related to the Portuguese target area

PT\_ARANATEJO 2.3 Advanced training, including the following folders:

- 1\_Training\_Session\_19\_11\_2024 (including agenda, poster, presentations)
- 2\_Training\_Session\_04\_02\_2025 (including agenda, poster, presentations)
- 1\_Training\_Session\_19\_11\_2024 (including agenda, poster, presentations)

### Annexes related to the French target area

FR\_CCI NCA 2.3 Advanced training, including the following folders/files:

- Training - Energy transition for municipalities – 18032025 (including agenda and presentations)
- Workshops - Assises Azuréennes de la Transition énergétique – 13062024 (including presentations)

### Annexes related to the Spanish target area

ES\_FAMP-US 2.3 Advanced training, including the following folders:

- Course 1\_Basic energy knowledge (including guide and presentations)
- Course 2\_Tools for the energy transitions (including guide and presentations)
- Course 3\_Financing tools for the energy transitions (including guide and presentations)
- Course 4\_Climate change adaptation (including guide and presentations)

### Annexes related to the Italian target area

IT\_CMRC-CRAS 2.3 Advanced training, including the following folders/files:

- Evento1\_17102024\_Comunità energetiche rinnovabili (including agenda and presentations)
- Evento2\_17122024\_Finanziamenti transizione energetica (including agenda and presentations)
- Evento3\_18032025\_ProgettiUnione (including agenda and presentation)
- Altre risorse formative (list of selected training resources and data sources by third parties)