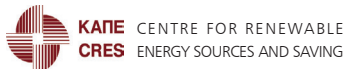


EMPOWERING LOCAL PUBLIC AUTHORITIES TO BUILD INTEGRATED SUSTAINABLE ENERGY STRATEGIES - EMPOWERING



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 695944



TABLE OF CONTENTS

WHAT IS EMPOWERING?	1
Fighting against climate change	1
The role and importance of municipalities	2
The concept	2
TRANSNATIONAL EXCHANGE PROGRAMME	3
STUDY VISITS	3
Malmö, SWEDEN	3
Ghent, BELGIUM	4
Roman, ROMANIA	5
TRANSNATIONAL SEMINARS	5
Athens, GREECE	5
Iasi, ROMANIA	6
CAPACITY-BUILDING PROGRAMMES	7
MARCHE REGION, ITALY	8
ANDALUSIA, SPAIN	9
NORTH-EAST REGION, ROMANIA	10
ISTRIA, CROATIA	11
NORTH-HUNGARY, HUNGARY	12
CENTRAL MACEDONIA, GREECE	13
WHAT EMPOWERING CAN OFFER TO YOU?	14
EMPOWERING LEARNING PLATFORM	15
WEBINARS	15
EMPOWERING TOOL	16

COORDINATOR:



SVIM – Sviluppo Marche Spa

Contact:
Mrs. Lucia Catalani
Responsible Area Territorial Policies, Sustainability, Innovation and Cooperation
Phone: +39 0718 064 525
e-mail: lcatalani@svimspa.it

PARTNERS:



Agencia de Medio Ambiente y Agua de Andalucía
CONSEJERÍA DE AGRICULTURA, GANADERÍA,
PESCA Y DESARROLLO SOSTENIBLE

**The Andalusian Agency
for the Environment and Water**

More information:
<http://www.agenciamedioambienteyagua.es/>



Istrian Development Agency (IDA) Ltd.

More information:
<https://ida.hr/hr/>



**BORA 94 Borsod-Abaúj-Zemplén County
Development Agency (BORA 94)**

More information:
www.bora94.hu/en



**North-East Regional Development Agency
(North-East RDA)**

More information:
<http://www.adrnorddest.ro>



Region of Central Macedonia (RCM)

Contact:
Mrs. Lamprini Tsoli
Phone: +30 2313 319 897
e-mail: L.Tsoli@pkm.gov.gr



KAPE CRES CENTRE FOR RENEWABLE
ENERGY SOURCES AND SAVING

**Centre for Renewable Energy Sources and Saving
(CRES)**

More information:
http://www.cres.gr/cres/index_uk.html



RISE Research Institutes of Sweden

More information:
<https://www.sp.se/en/Sidor/default.aspx>

This brochure only reflects the views of the authors and EASME and the European Commission is not responsible for any use that may be made of the information it contains.

EMPOWERING tool

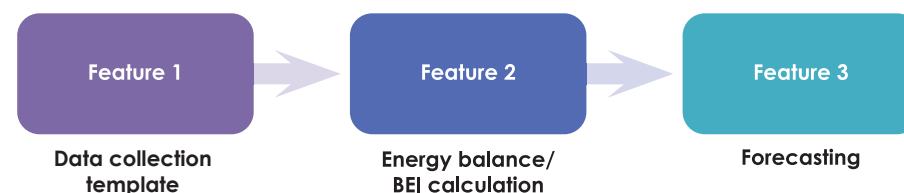
Calculating the final energy consumption of the settlement and collection of all necessary and relevant data is quite challenging in all cases. In the frame of the project a **new supporting methodological tool** was developed by CRES called **“EMPOWERING data collection template, BEI calculation and forecasting tool”**. The user-friendly, easy-to-use tool provides a step-by-step approach on how to elaborate an energy balance with respect to SECAP templates of the Covenant of Mayors.

- *Easy to be used (excel-based).*
- *Open to modifications.*
- *Flexibility to be completed at municipal, regional and national level.*

The aim of the tool is to:

- Facilitate the collection of the required data for the preparation of the energy balance.
 - Calculate the final energy consumption and elaborate of the energy balance in accordance with the SECAP template.
 - Reduce the administrative burden and minimize the potential errors.
 - Demonstrate the sequence of the required steps and calculations using identical structure for all sectors.
 - Utilized as a supplementary and supportive tool in the SECAP template.
- Elaborate the energy balance which will result from the implementation of mitigation actions for the reduction of the CO2 emissions for the targeted year of an examined scenario (i.e. 2030).

EMPOWERING tool as well as related guidance is available at the LEARNING PLATFORM:
<https://empowering2020.eu/>
Specific guidance is part of the SECAP Walkthrough webinar II.



The basic features of EMPOWERING data collection template, BEI calculation and forecasting tool

WHAT IS EMPOWERING?

Empowering local authorities to plan and implement sustainable energy strategies and plans, promoting the exchange of experiences, innovative approaches and ground-breaking practices of energy transition in European cities and regions.

This is the goal of EMPOWERING, a project financed under the European Union's Horizon 2020 Research and Innovation Programme.

Six regional agencies, one regional institution and two scientific partners have been working together over the last three and a half years to fill the gap of competences and skills necessary to plan measures in line with the European 2030 Energy Strategy and to achieve the new targets.

EMPOWERING supported the shift towards a low-carbon society in six EU regions:

- Marche Region, Italy
- Andalusia, Spain
- North-East Region, Romania
- Region of North-Hungary, Hungary
- Istria, Croatia
- Region of Central Macedonia, Greece

Fighting against climate change

In the 2030 climate and energy framework for sustainable development (Directive 2009/28 / EC, COP21 2015, COP23 2017), Europe already set 3 main objectives to be achieved by the indicated year:

- reduction of at least 40% of greenhouse gas emissions (compared to 1990 levels),
- at least 32% renewable energy,
- at least 32,5% improvement in energy efficiency.

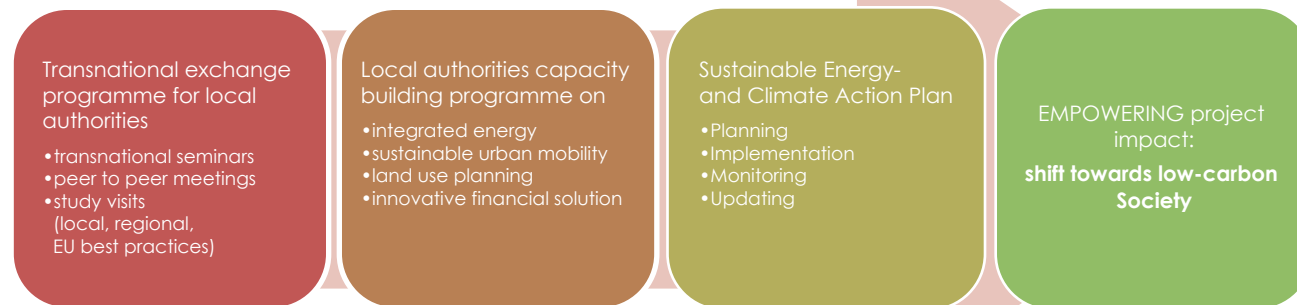
The role and importance of municipalities

Cities play a key role in fighting against climate change. Local authorities have the power to influence climate issues, however often lack the capacity to recognise challenges, opportunities and deliver solutions. This is particularly true for small- and medium sized local authorities that face several challenges when it comes to energy planning and implementation. In their case the coordination and support is definitely needed.

The concept and the work carried out

The main idea was to involve local municipalities and regional authorities in a **sound transnational exchange and learning activities**. The capacity building measures supposed to target organisational development and human resources as well. The transnational exchange programme was designed to enable policy makers and public officers involved to learn from each other's experiences and adapt effective responses to the major energy

challenges with the thematic focus on integrated energy, sustainable urban mobility, land use planning, adaptation and innovative financial solution. Based on the transnational exchange a capacity building programme was elaborated. As the result of a successfully implemented capacity building program, the improved knowledge and competences of local authorities were put into practice **during the adaption of new Sustainable Energy Action Plans and upgrading of the existing ones**.



EMPOWERING LEARNING PLATFORM

The developed material on the platform is divided into six categories covering all aspects relevant for SECAP development. The first three of them follow the process that any municipality needs to go through in order to create a SECAP:

- *Understanding of the concepts of the Covenant of Mayors (CoM) and Sustainable Energy and Action Plan (SECAP);*
- *Data collection and handling;*
- *How to select SECAP actions.*

The other three categories include material that can be helpful in the internal processes when becoming a CoM signatory and in creating a SECAP:

- *Awareness-raising in the municipality*
- *Ideas on how to finance actions*
- *Inspiration and good ideas*



Webinars

Altogether 7 recorded webinars are available on the platform. The **webinars** focus on becoming signatories of the Covenant of Mayors and managing the necessary steps.

The webinars cover different topics: **Awareness raising, Public financial solutions, Adaptation and Solutions for energy measures**. International experts in various fields have been engaged and talked about their insights, experience and perspectives. Additionally a **SECAP Walkthrough** webinar series is available. It contains three webinars and provides a step-by-step guidance to help you develop a SECAP and provides a starting point for your work. The first walkthrough webinar gives a brief introduction to Covenant of Mayors and focuses on the Baseline Emission Inventory (BEI). The second walkthrough webinar works through the collection of data and helps to improve analysis capacity. The third webinar focuses on how to select relevant actions for the SECAP.

WHAT EMPOWERING CAN OFFER TO YOU?

Participate to the Covenant of Mayors!

Join the successful European initiative that brings together local authorities committed on a voluntary basis to achieve and exceed the Community objectives in the field of climate and energy through the implementation of Sustainable Energy- and Climate Action Plans (SECAP)! Local authorities commit themselves in reducing energy consumption and increasing renewable energy capacity with actions at municipal level.

Prepare your Sustainable Energy- and Climate Action Plan (SECAP)!

Get support from the EMPOWERING LEARNING PLATFORM!

A free online LEARNING PLATFORM for interactive learning has been developed by EMPOWERING. The platform offers educational material, recorded webinars, helpful tools,

presentations and inspirational good examples to municipalities that either want to update their existing SEAP, or to create an entirely new SECAP. It includes detailed and step-by-step approach on the different topics that are addressed in a SECAP. Through the platform you can get better prepared for creating your own SECAP or improve the existing one.



- LEARN how to collect data and calculate the final energy consumption.
- LEARN how to evaluate the various sustainable cross-sector energy options, based on technical, environmental, economic and social criteria, as well as how to involve stakeholders and citizens in the definition and implementation of solutions.
- ACCESS the discussion with experts, for the definition of innovative solutions in managing the energy transition and the application of community policies at local level, recognising challenges and opportunities.
- LEARN how to implement the new Sustainable Energy and Climate Action Plans (SECAP) and update the already existing ones (SEAP).

The platform can be found here:
<https://empowering2020.eu/>

TRANSNATIONAL EXCHANGE PROGRAMME

The transnational exchange programme of EMPOWERING was designed to allow **policy makers and public officers involved to learn from each other's experiences** and adapt effective responses to the major energy challenges, with the thematic focus on integrated energy, sustainable urban mobility, land use planning and innovative financial solution.

The transnational exchange programme included the organisation of:

- **3 STUDY VISITS (SV)** addressed to municipalities related to selected best practices attended by 76 participants
- **2 TRANSNATIONAL SEMINARS (TNS)** attended by 55 participants
- **2 PEER-TO-PEER EXCHANGE SEMINARS (P2P)** addressed to regional representatives and ERDF/ESF managing authorities attended by 51 participants



STUDY VISITS

Showing and experiencing implemented measures to reduce CO₂ emissions is the best way to get inspired and transfer the necessary knowledge and potentially replicate it.

Malmö, SWEDEN

The first study visit of Empowering was hosted by the city of Malmö (Sweden) on 20-21st of June in 2017. Malmö has worked for many years to become a low-carbon city. Thus, the project group and municipal representatives had the opportunity to get some inspiration from a best practice city.

During the first day, the participants went to the development area **Hyllie**. It is the largest development area of Malmö and is to become a **global role model for sustainable urban development**. It will have more than 26 000 inhabitants after its completion. The group visited one of the multi-family houses where tenants have moved in, in this case five years ago in 2013. The house is connected to the smart heating grid that the energy company provides, meaning that the building uses less energy for heating than a building with a standard connection. The owner of the house showed the solar panel system, the district heating devices and the smart grid components.

The next stop was a knowledge centre dedicated to teaching visitors about waste and water treatment. The film about smart grids, the 3D-model of Malmö and the other parts of the knowledge centre are all meant to give inspiration for a more sustainable lifestyle, and a better insight into the necessary systems in the city that are often taken for granted.

The second day started in the **Western Harbour** area, one of Malmö's largest residential construction projects. When it's finished it will have 20.000 residents and almost as many workspaces. In order to get there, some of the participants used the short-term bike-rental system that is provided by the city of Malmö. A guide talked about Western Harbour: it was transformed with the help of urban from a shipyard, a post-industrial and harbour area into an attractive sustainable neighbourhood for living and working. There were also two presentations complimenting the guided study visit.

One of them described the targets and work of Malmö in the sustainable energy-related field. The other one described a highly ambitious building planned for by the Lund municipality housing corporation, as a specific example of action that every municipality could take.

Lessons learnt and main conclusions:

- Close cooperation and dialogue with all stakeholders is crucial right from the preparation phase
- Urban planning is climate change resilient
- Architectural solutions integrate renewable energy sources
- Behaviour change is sought (and even determined) through social psychology



Ghent, BELGIUM

The second study visit was organized in the City of Ghent (Belgium) on the 14th of September 2017. Early in the day some of the major projects the municipality has developed in order to become a carbon neutral city by 2050 were presented. The Environment Department of Ghent delivered various presentations about the objectives, goals, challenges, trend-setters within the Climate Neutral initiative. The main examples that we were given when it comes to the Ghent Climate Policy (climate adaptation and mitigation):

- 1) Check your home tool;
- 2) Solar map of Ghent;
- 3) Buurzame Stroom (collective PV-panel approach with citizen participation)

REGION OF CENTRAL MACEDONIA, GREECE

The Local Energy Board of Central Macedonia

The Local Energy Board of the Region of Central Macedonia is composed of **12 municipalities** 7 new namely **Naousa, Oreokastro, Pidnas-Kolindros, Polygyros, Kassandra, Sithonia and Pella** and 5 old municipalities **Edessa, Kalamaria, Neapoli-Sikeon, Pavlos Melas and Pileas-Hortiatis**.

Support provided to municipalities in Central Macedonia

Altogether 6 capacity building workshops were organized by the Region of Central Macedonia. For the 1st workshop, an open invitation was sent to all municipalities (inside and outside the Local Energy Board) Thus, with the support of the project team, four more Municipalities declared their intention and finally were integrated to EMPOWERING project: Thessaloniki, Kordelio-Evosmos, Thermi and Naoussa. Many relevant and interesting topics were discussed during the specific



sessions such as: raising awareness of society and the role of citizens, the interaction of all stakeholders to successfully implement a SEAP or basic principles of data management and collection, the proposed process and the alternative data collection methods for BEI and MEI. During the workshops excellent cooperation related to

climate issues was established setting the base for its continuation.

Additionally two other workshops were organized for regional representatives focusing on the financial tools and options within the framework of the CoM and in the wider context of the objectives of the country for 2020 and 2030.

EMPOWERING project results and impact

82

Participating municipalities

61

1 JOINT SECAP (11 mun.)
SECAPs drafted / SEAPs updated-upgraded

7.6 M

MWh/a
Estimated Energy savings in 2030

1 M

MWh/a
Estimated RES production in 2030

2.8 M

t CO₂/a
Estimated CO₂ reduction in 2030

2,6 Bn €

Total Implementation cost

2.042.425

Inhabitants

REGION OF NORTH-HUNGARY,
HUNGARY

The Local Energy Board of North Hungary

Altogether **11 settlements** expressed their willingness to join the initiative in Borsod-Abaúj-Zemplén County in order to deliver sustainable energy plans for their communities. Apart from 7 settlements -namely **Tokaj, Szerencs, Nyékládháza, Hernádnémeti, Bükkzentkereszt, Bükkaranyos**- that have prepared their SEAPs earlier, 5 new settlements -**Encs, Tolcsva, Bócs, Kistokaj and Bükkábrány**- became members of the Local Energy Board in the region.

Support provided to municipalities in Borsod-Abaúj-Zemplén County

BORA 94 B-A-Z County Development Agency launched a series of capacity building workshops, which allowed local authorities to tackle the challenges related to energy planning and SECAP development. The workshop were held from June 2018 till March 2019. Altogether eight events have taken place during the mentioned period.



There were Capacity Building Workshops that aimed at supporting representatives and technicians of local authorities in SECAP development and also in upgrading of their existing SEAP. Participants had the opportunity to learn about how to systematically

collect, monitor and analyse energy data, and how to define the necessary measures to be included in the SECAP of the municipality. Workshops were centred around various methodologies mainly based on interactivity.

EMPOWERING impacts and results in Borsod-Abaúj-Zemplén County



40.072 inhabitants

Municipalities	Estimated Energy savings in 2030 MWh/a	Estimated Renewable energy production in 2030 MWh/a	Estimated CO2 reduction in 2030 t CO2/a	Total Implementation cost Euros
New signatories	93.298,94	10.050,65	50.184	70.664.374
Existing signatories	32.116	26.369	18.561	



Roman, ROMANIA

The third study visit was organized in the City of Roman (Romania) on the 4th of October 2017.

- The places that were visited:
- micro-hydropower plant on Moldova river
 - Photovoltaic panels for the "Moldova" sports and leisure park
 - Restoration, consolidation and sustainable valorisation of cultural heritage – "George Radu Melidon" Municipal Library

Lessons learnt and main conclusions:

- Public consultations are crucial in order to get a broader consensus for courageous measures
- Having a fair relationship with the electricity provider or distributor (to enable smart grids)
- Food has a big CO₂ footprint → several related initiatives (urban food policy introduced) inspires other actors settlement wide

TRANSNATIONAL SEMINARS

Athens, GREECE

The 1st Transnational Seminar was held in Athens on the 4th April 2017. The core theme of the Seminar was the land use-planning and the detailed descriptions of the experience gained by the promoters of **4 best practices identified at European level**. The participants were the delegates of the Local Energy Boards [LEB] established in each participating region as well as the project partners.

The Seminar included a short workshop prior to the best practices presentation in which the delegates identified the major challenges and opportunities by the strategic process of the Covenant of Mayors and the commitments to reduce emissions.

Lessons learnt and main conclusions:

- Technology these days offers the possibility to have hydro power on very small rivers, without creating a huge facility for hosting the turbine and without disturbing the fauna
- Strong political commitment and will is crucial to reach and implement exemplary measures

Overall agreed challenges:

- Legislation disconnected from funding.
- Reduced financial capacity of local authorities to co-finance EU projects.
- Lack of specialized human resources and expertise in implementation and monitoring.

The identified and presented best practices on European level were:

- ✓ **Bolzano pilot city (SINFONIA FP7 project)**
- ✓ **Ghent, the climate-neutral city**
- ✓ **Växjö, the Greenest City in Europe**
- ✓ **Energy Performance Contract (EPC) for energy efficiency plan of public buildings. Experiences from Auvergne-Rhône-Alpes region and the Interreg MED STEPPING project***

*The presentations are available on the website: <https://www.empowering-project.eu/en/i-transnational-seminar-athens/>

The delegates had the opportunity to ask questions directly to the persons in charge of the projects presented about the mechanisms developed, the support tools used, the success factors and the lessons learned. The promoters were encouraged to give their advice on launching sustainable energy actions in local level, in order to facilitate the transferability of the Best Practices.

Advice from the best practice's promoters:

- Set a clear vision.
- Planning is the key success factor.
- Start with a tangible, visible project.
- There has to be a common ground: local attractiveness and employment.
- Training of the end users so that the innovation generates the expected results.
- Any municipality has the power to initiate and accomplish any action – something can be done even at the smallest municipality

Iasi, ROMANIA

The second transnational seminar organized in Iasi on the 3rd of October 2017. It was more focused on the introduction of practical solutions related to integrated urban planning. It was presented that urban planning has to integrate measures targeting at:

- Greening the city
- Managing the water cycle
- Designing clever public spaces

The solutions proposed would envisage measures in the areas of:

- Architectural accuracy: passive architecture, short supply chains in constructions, circular economy approaches
- Urban planning: compact cities, strategic planning, slow mobility, green and blue corridors, integrated LUMPs, accessibility infrastructure, favoring industrial symbiosis
- Urban policies: promoting innovative design, decentralization of decision, mobility, integrated sustainable development, co-creation, participative e-governance

ISTRIA, CROATIA

The Local Energy Board of Istria

The Local Energy Board set up in the Region of Istria comprises of **7 municipalities: Labin, Novigrad, Pazin, Poreč, Pula, Rovinj and Vodnjan**. The municipalities involved in the project intend to promote and update their existing Sustainable Energy Plans, while **Vodnjan** was willing to create a new SECAP.

Support provided to municipalities in Istria Region

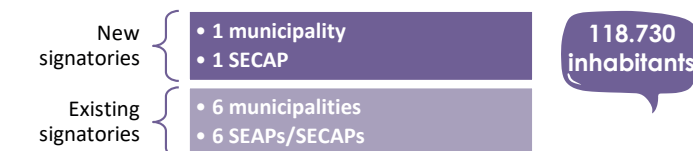
Building sustainable future through Energy efficiency is the message of the Region of Istria workshops in 2018 that took place from March to September 2018, with the objective of drawing attention to the benefits of EMPOWERING cities developing SEAPs/SECAPs making them greener and smarter. Workshops explored ways in which the EU is helping cities to become better places to live and work. Showcasing policy developments on air quality, noise, waste and water management, it would promote participatory



approaches to urban development, networking schemes, and tools for sharing best practices, engaging local authorities and citizens, and encouraging them to share their vision of a sustainable future.

Officers from the participating local authorities were offered numerous hours of practical in-class training on how to develop harmonized SEAPs and SECAPs, together with international interactive webinars that broadened this learning opportunity

EMPOWERING impacts and results in Istria



Municipalities	Estimated Energy savings in 2030 MWh/a	Estimated Renewable energy production in 2030 MWh/a	Estimated CO2 reduction in 2030 t CO2/a	Total Implementation cost Euros
New signatories	59.121	484	11.378	604.000
Existing signatories	1.086.534	34.280	210.172	13.907.395

NORTH-EAST REGION,
ROMANIA

The Local Energy Board of North-East Romania

The Local Energy Board of the North East region was composed of **11 municipalities**. There are municipalities that were already members of the Covenant of Mayors and were engaged to update their SEAPs: **Moinesti, Vaslui, Botosani, Roman, Bacau.**

Piatra Neamt, Siret, Suceava, Victoria, Bicz, Iasi became signatories and prepared their SECAP in the frame of the project.

Support provided to municipalities in North-East Romania

The Regional Capacity Building Program was organized during August-November 2018 and was attended by municipalities, private actors, and regional officers (within North-East RDA). The workshops have been facilitated by the CoM's Support Structure, Alba Local Agency for Energy. The main goal of the program was to overcome the barriers

and challenges from SECAP steps of elaboration, such as: Baseline Emissions Inventory, Risk and Vulnerabilities Analyses, Action Plans. But this also implied a change within the organizations, by creating internal working groups for this particular activity.

A number of 16 municipalities have participated in the program and 9 of them (Botosani, Bacau, Iasi, Suceava, Piatra Neamt, Moinesti, Vaslui, Roman and Victoria) have been intensely supported to design climate and sustainable energy action plans.

The program allowed the representatives of the municipalities to concretely work on their SECAPs whilst acquiring knowledge on the actual process. investments for energy efficiency.



EMPOWERING impacts and results in North-East Romania Region

New signatories

Existing signatories

• 6 municipalities
• 5 SECAPs

• 5 municipalities
• 5 SEAPs/SECAPs

1.028.781 inhabitants

Municipalities	Estimated Energy savings in 2030 MWh/a	Estimated Renewable energy production in 2030 MWh/a	Estimated CO2 reduction in 2030 t CO2/a	Total Implementation cost Euros
New signatories	637.792	306.973	269.093	1.007.209.737
Existing signatories	1.332.081	46.630	368.145	961.469.413

CAPACITY-BUILDING PROGRAMMES

Signing the Covenant of Mayors means a commitment for the municipalities. Both the decision itself and to carry it through can be an effort with the need for a proper knowledge basis. Therefore, **a capacity-building program is created for each region.** The programs are meant to address issues that could hinder or delay a municipality from signing the Covenant of Mayors and enable to reach the targets that are set when becoming a signatory.

The elaborated capacity building programme consists of capacity building workshops, consultations and series of thematic interactive webinars aiming at defining a Sustainable Energy & Climate Action Plan (SECAP) or updating the existing ones. In the framework of the programme several tools were elaborated in order to improve local authorities' energy planning skills. First of all, local authorities need to be able to access data, as well as to develop skills in order to analyse and assess data. It is also important

to be able to identify relevant and necessary actions and forecast the future. The capacity-building program was divided into 6 learning modules.

Each region chose which modules to include in their local capacity building programme. RISE prepared the general content of each module. The region-specific content was developed by the regional partners, as local challenges are most likely to be solved by implementing to most suitable actions within the local context taking into consideration the local needs.

In the 6 participating regions municipal officers and regional representatives were offered practical training on how to set-up, implement and continuously update SEAPs. Altogether:

- **7 live interactive webinars**
- **26 capacity-building workshops** for municipalities aiming at **Sustainable Energy Action Plan definition**

- **26 capacity-building workshops** for municipalities aiming at **Sustainable Energy Action Plan update**
- **12 capacity-building workshops** for regional representatives about **innovative financial solutions** were organised

Module 1.
Best practice
from own region

Module 2.
Awareness
raising

Module 3.
Public financial
solutions

Module 4.
Adaptation

Module 5.
Solutions for
energy measures

Module 6.
SECAP walk-
through

MARCHE REGION, ITALY

The Local Energy Board of Marche

The Local Energy Board of the Marche region is composed of **32 Municipalities**. A first group - **Ancona, Appignano, Ascoli Piceno, Fabriano, Fermo, Jesi, Macerata, Monte Giberto, Offida, Pesaro, Pollenza, Cupramontana, Santa Maria Nuova, Senigallia and Urbino** - already members of the Covenant of Mayors and were engaged to update their SEAPs. At the same time support was offered to 5 Municipalities - **Allidona, Campofilone, Fano, San Severino Marche, San Benedetto del Tronto** - that adhered for the first time the Convent of Mayors Initiative and developed their new SECAPs. Moreover, a group of 11 smaller Municipalities - **Castellbellino, Castelplanio, San Paolo di Jesi, Maiolati Spontini, Mergo, Montecarotto, Monte Roberto, Poggio San Marcello, Rosora, Serra San Quirico and Staffolo** - joined forces and tested the possibility to build up a joint SECAP for the overall area, thus reinforcing a collaborative approach for the governance of energy policy.

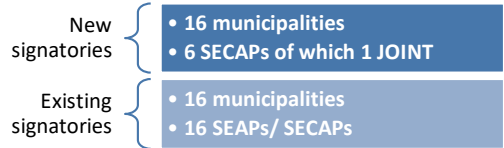
Support provided to municipalities in Marche Region

SVIM and the Marche Region aimed to maximize training by offering a large number of workshops for the 32 Municipalities of the Local Energy Board. In 2018, 8 capacity building local workshops were held to update or draft the SEA(C)Ps, improving the know-how on the steps to be taken for the involvement of stakeholders and for technical and political aspects related to the energy planning. During the workshops -including 35 presentations by



20 different speakers- supporting tools were provided to improve the planning skills of local authorities. In 2019 two regional Workshops were organised, one of which at the Committee of the Regions in Bruxelles, to increase financial investments for energy efficiency.

EMPOWERING impacts and results in Marche region



642.675 inhabitants

Municipalities	Estimated Energy savings in 2030 MWh/a	Estimated Renewable energy production in 2030 MWh/a	Estimated CO2 reduction in 2030 t CO2/a	Total Implementation cost Euros
New signatories	788.725	55.713	273.661	5.099.323
Existing signatories	1.771.066	70.824	704.368	19.261.989

ANDALUSIA, SPAIN

The Local Energy Board of Andalusia

The Local Energy Board in Andalusia has the participation of **11 municipalities**, which are actively involved in EU environmental goals, and energy efficiency and sustainable mobility, the fundamental axes of EMPOWERING. These municipalities are: **Arahal, Morón de la Frontera, Sanlúcar la Mayor, Montilla, Armilla, La Palma del Condado, Puebla de Cazalla and La Rinconada**. They were already joined to Covenant of Mayors and wanted to update their commitments supported by the project. There are municipalities that became signatories and prepared their SECAP in the frame of the project. These are **Salobreña, Baena and Peñarroya-Pueblonuevo**.

Support provided to municipalities in Andalusia

The local workshops for the capacity building of Andalusian municipalities started in May 2018. Andalusian Agency for Environment and Water



organised four full day meetings where the main aspects of how to develop a SECAP were discussed, with special attention to the new part of adaptation to climate change. These face to face free workshops had the participation of experts in energy efficiency, urban planning,

local adaptation measures and action plans of the Covenant of Mayors, and an interesting working network was created among municipalities. The local workshops have been successful and the eleven municipalities have finished their action plans.

EMPOWERING impacts and results in Andalusia



212.167 inhabitants

Municipalities	Estimated Energy savings in 2030 MWh/a	Estimated Renewable energy production in 2030 MWh/a	Estimated CO2 reduction in 2030 t CO2/a	Total Implementation cost Euros
New signatories	940.930	233.037	435.690	182.596.736
Existing signatories	997.124	218.153	507.924	377.589.396