

12 maggio 2021

Marco Devetta

METTIAMOCI
IN RIGA



50000&1SEAPs e Compete4SECAP

Supporto alle Autorità Locali nello sviluppo e nell'integrazione dei PAES con i Sistemi di Gestione dell'Energia in accordo alla norma ISO 50001



UNIONE EUROPEA
Fondo Sociale Europeo
Fondo Europeo di Sviluppo Regionale



*Agenzia per la
Coesione Territoriale*



**GOVERNANCE
E CAPACITÀ
ISTITUZIONALE
2014-2020**

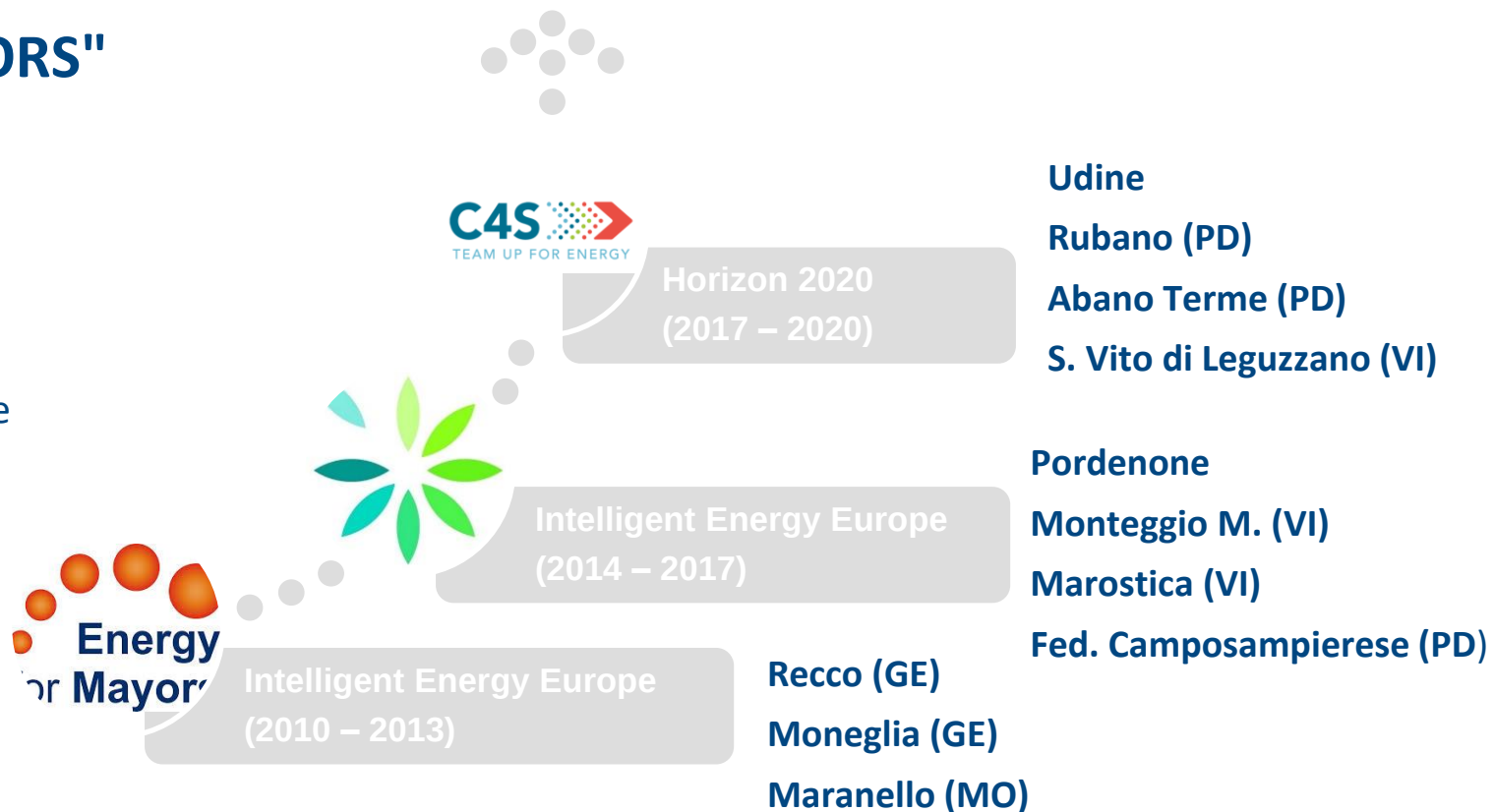
SOGESID SPA
INGEGNERIA TERRITORIO AMBIENTE

IL PROGETTO "ENERGY FOR MAYORS" COME ESPERIENZA DI SUCCESSO

L'idea nasce dall'esperienza pilota del progetto Energy For Mayors coordinato da Città Metropolitana di Genova dove sono stati testati 8 progetti pilota di integrazione dei Sistemi di Gestione (SGE) ISO 50001:2011 (in origine EN 16001) nello sviluppo del PAES.

In Italia: Recco, Moneglia e Maranello

Energy for Mayors è stato il primo progetto Intelligent Energy Europe ad esplorare l'integrazione di un Sistema di Gestione dell'Energia con un PAES



9 partners
8 paesi UE

- 8 enti tecnici + ICLEI Europe

80+ Comuni
coinvolti

- 38 Comuni singoli
- 3 Federazioni/Agglomerazioni di Comuni
- 1 Federazione di 11 Comuni italiani
- 2 Agglomerazioni di Comuni francesi da 49 Comuni totali)

Training
peer-to-peer
activities

- 3 Centralized training sessions
- Trainings for trainers and LAs
- 2 Open Centralized training sessions (Brussels)
- Più di 65 local training session in 8 EU Paesi dedicate ai Comuni



PAES

- 30+ Comuni nuovi firmatari del Patto dei Sindaci
- 40+ PAES and Joint SEAPs Option 1 and 2, approvati e attuati
- 3 Joint SEAPs Option 1 and 2 approvati e attuati per un totale di 60 Comuni (11 italiani, 49 francesi)

Sistemi di Gestione ISO 50001

- 15+ Comuni Certificati
- 3 Federazioni/Agglomerazioni di Comuni di 60 Comuni certificati



3 Comuni coinvolti + 1 Federazione di 11 Comuni:

- Comune Pordenone (50.000 ab.);
- Comune di Montecchio Maggiore (25.000 ab.)
- Comune di Marostica (14.000 ab.)
- Federazione degli 11 Comuni del Camposampierese (100.000 ab.)

3 PAES + SGE: approvati e attuati

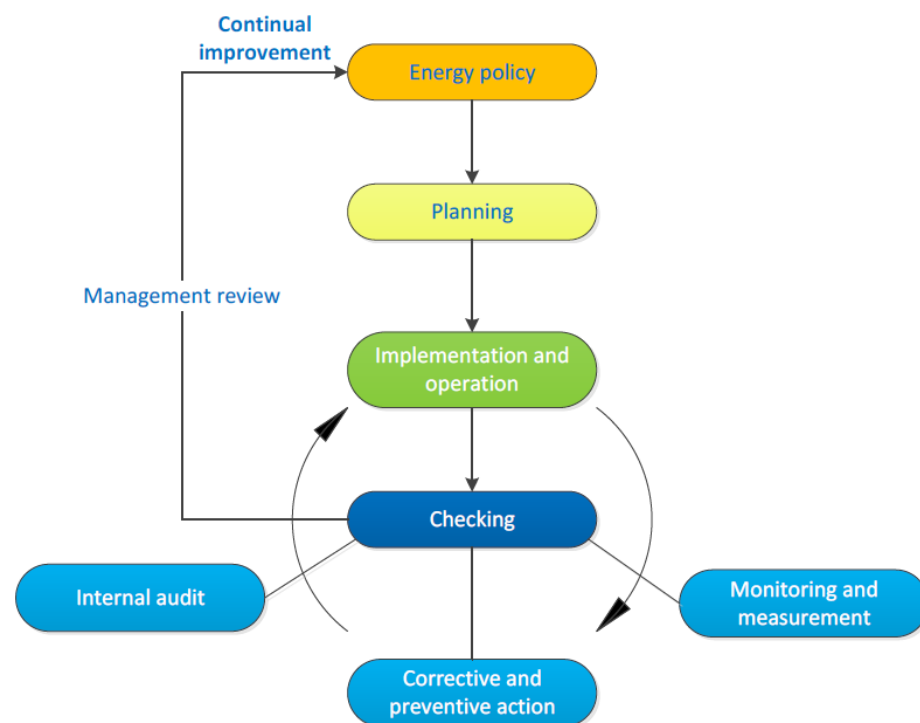
1 Joint SEAP Option 2 + SGE: approvato e attuato (Federazione)

45 Funzionari comunali e Assessori formati in qualità di membri dell'Energy Team e dell'Alta Direzione del Sistema di Gestione dell'Energia



STRUMENTI E METODOLOGIA

REQUIREMENT	ISO 50001	SEAP
<i>Internal structure, role and responsibilities</i>	✓	✓
<i>Policy of the organization</i>	✓	✓
<i>Energy baseline(s) and performance indicators</i>	✓	✓
<i>Communication</i>	✓	✓
<i>Internal training</i>	✓	✓
<i>Objectives, targets and Action Plan</i>	✓	✓
<i>Measurement and monitoring</i>	✓	✓
<i>Independent external evaluation</i>	✓	✓



Ambito e
Organizzazione
Interna

Politica
Energetica

Utilizzi
Energetici

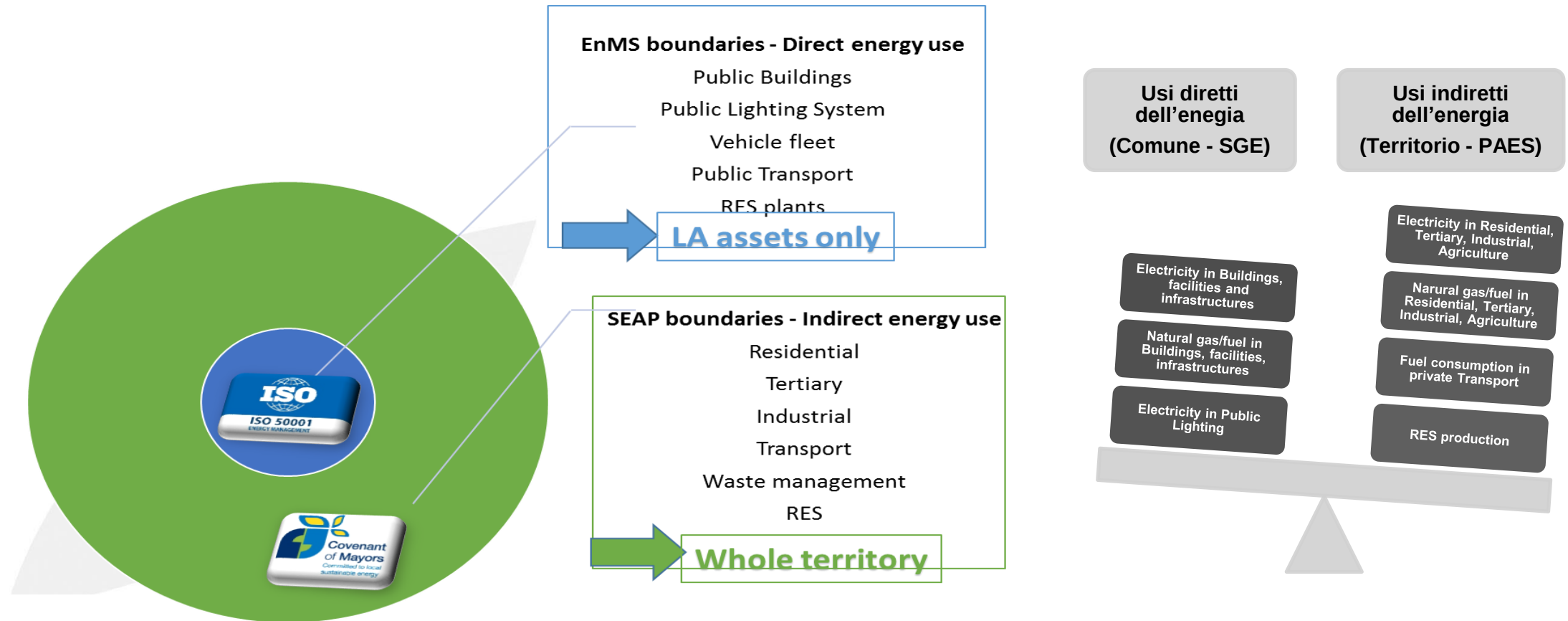
Obblighi
Normativi

Indicatori di
Performance
Energetica

Obiettivi
Energetici

Piano di
Miglioramento

STRUMENTI E METODOLOGIA

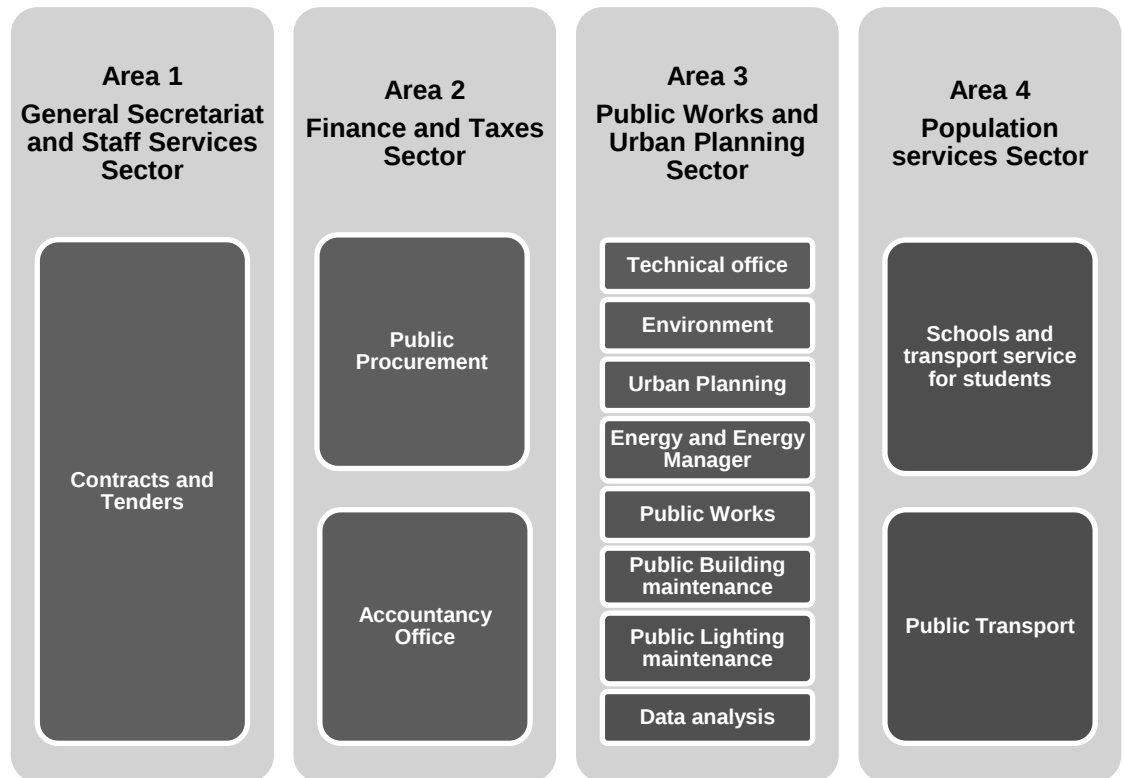
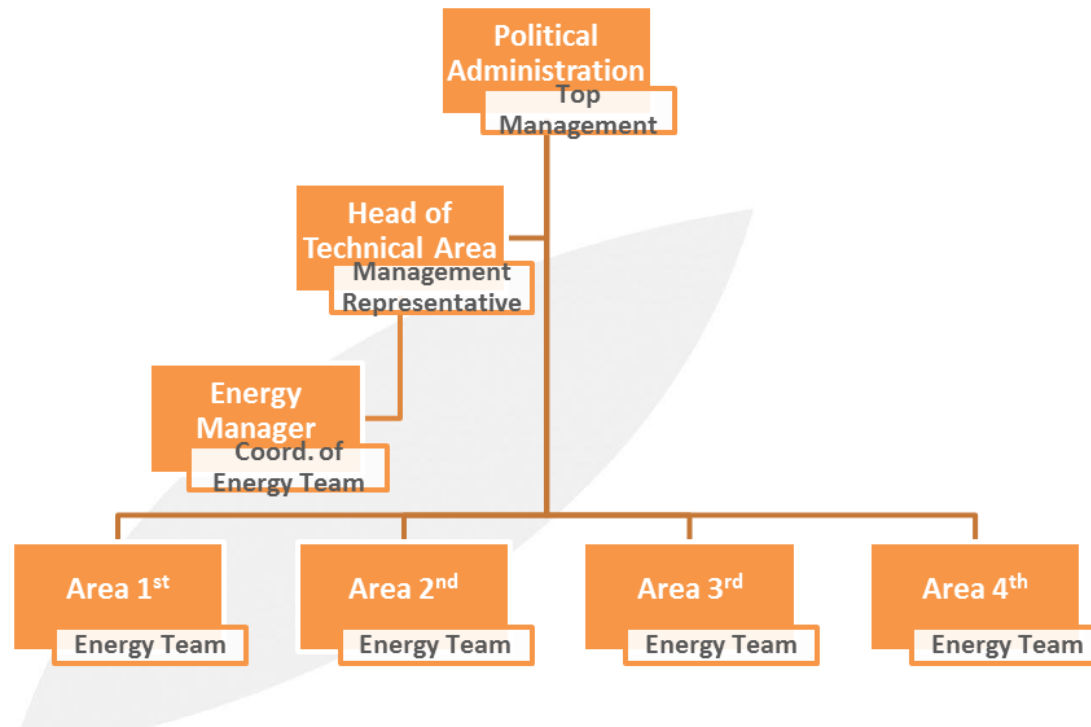


Campo d'Applicazione del Sistema di Gestione dell'Energia nei Comuni italiani:

- Comune Pordenone: 88 Edifici Comunali + Impianti Illuminazione Pubblica
- Comune di Montecchio Maggiore: 15 Edifici Comunali + Impianti Ill. Pubblica + Parco veicoli comunali
- Comune di Marostica: 20 Edifici Comunali + Impianti Ill. Pubblica + Impianti a fonti rinnovabili
- Federazione degli 11 Comuni del Camposampierese: 104 Edifici Comunali + 11 Impianti Ill. Pubblica

45 Funzionari comunali e Assessori formati in qualità di membri dell'Energy Team e dell'Alta Direzione del SGE

STRUMENTI E METODOLOGIA





50000&1 SEAPs

ENERGY MANAGEMENT
FOR SUSTAINABLE
ACTION PLANS

STRUMENTI - LINEE GUIDA PER I COMUNI

PETKO PETKOV | MAYOR OF BRATISGOVO (BG)



"By implementing ISO 50001 in Bratisgovo, the Municipality aims to reduce greenhouse gas emissions and energy costs through systematic energy management. Bratisgovo Municipality was awarded a gold prize for exceptional green procurement that resulted in lower carbon dioxide emissions and increased energy efficiency, which enhanced the self-esteem of our colleagues towards the other municipalities and motivated us to continue our development in the right direction."

MILTADIS KARPETAS | MAYOR OF METAMORFOSI (GR)



"Our feedback from the integration between ISO 50001 and SEAP in the Municipality of Metamorfosi is very positive. After this procedure, our Municipality is now in a position to understand and monitor our energy consumption on a periodical basis. Standardisation of the procedures and having comparable results make it possible to prioritize the energy saving opportunities and projects according to the Municipality's true needs and therefore improve the energy conscience of our organization."

GIANFRANCO TRAPULA | ASSESSOR AT URBAN PLANNING, ENVIRONMENT AND ENERGY MONTECCHIO MAGGIORE (IT)



"The development of the EnMS and SEAP is only the starting point, not the final goal. EnMS+SEAP are crucial to the strategy of continuous improvement in energy efficiency and environmental protection. The aim of any public administration should be to disseminate the energy saving culture for the reduction of carbon dioxide in the atmosphere (the main cause of global warming) and to involve the whole of society in safeguarding the earth, particularly with regard to climate change."

PĒTERIS DZALBE | VICE-MAYOR OF THE CITY OF DAUGAVPILS (LV)



"The city of Daugavpils joined the EU funded project "50000&1 SEAPs" in 2014. Meanwhile in early 2016, a new national Energy Efficiency Law was approved in Latvia. The Law foresees that nine Latvian cities, including Daugavpils, are obliged to implement a certified EnMS until April 2017. As a signatory of the Covenant of Mayors, municipality has voluntarily committed to reduce GHG emissions in the whole territory of the city until 2030 by 40% compared to 2010."

DAVID-OLIVIER CARLIER | VICE-PRESIDENT OF MURETAIN AGGLO (F)



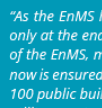
"In line with its Agenda 21, Muretain Agglo is committed since 2015 to the joint approach of the ISO 50001+SEAP. We have set up a technical unit supported by a decision-making steering committee. Today we are proud to report the certification obtained in April 2017 and we are very satisfied to note that fuel consumption in the agglomeration community equipments has already decreased by 14% between 2013 and the end of 2016."

DRUTA ROMULUS | ENERGY MANAGEMENT REPRESENTATIVE OF INEU CITY HALL (RO)



"For our community, the project and the issues that we have faced in particularly in our area of activities and all the actions that have been implemented during the project lifetime, strengthened us as a team and challenged us to find solutions that will satisfy our actual needs and the future city inhabitants needs."

HELĒNA TROŠIMOVA | ENERGY MANAGER CITY OF DAUGAVPILS (LV)



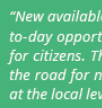
"As the EnMS has been implemented recently, the quantitative results will be available only at the end of 2017. However, already during the establishment and development of the EnMS, major improvements were achieved. The core of the operational control now is ensured through the Online Energy Monitoring Platform. Technical managers of 100 public buildings as well the operators of street lighting and of the public transport utility were trained on how to enter and analyze the monthly energy data available."

SABINO PETRILLO | ENERGY MANAGER OF MONTECCHIO MAGGIORE MUNICIPALITY (IT)



"The establishment of an energy management team, coordinated by the Energy Manager and participated by representatives of the municipal sectors that manage energy aspects, has been a crucial step. Particular attention has been paid to the identification of the boundaries of the System on the basis of direct energy use and the definition of the energy performance indicators for the assessment of direct energy uses and for measurements and monitoring. Only through continuous monitoring of energy performance we can reduce energy consumption and decide where, how and when to act to improve energy efficiency."

MARIUS DUMITRACHE | ENERGY TEAM INSPECTOR OF RESITA MUNICIPALITY (RO)



"New available options for CO₂ reduction (including eco-education) are actually day-to-day opportunities that can generate social and environmental multiple benefits for citizens. The project has created many opportunities to attract funds, opening the road for new investors in the city and implicitly, optimizing and lowering costs at the local level."

50000&1
SEAPs

SUPPORTING LOCAL AUTHORITIES
IN THE DEVELOPMENT AND
IMPLEMENTATION OF
SEAPs WITH ENERGY MANAGER
ACCORDING TO ISO 50001

ISO 50001 /
SUSTAINABLE
ENERGY PL

INTEGRATING A SUSTAINABLE
ACTION PLAN WITH AN
ENERGY MANAGEMENT SYSTEM

www.50001seaps.eu

EMANUELE COSENZA | SOGESCA, ITALY



"Leading the technical work on this pioneering project was a great experience. This booklet as well as the guidelines will give an important technical support to LAs interested in this innovative approach."

EVI TZANAKAKI | CRES, GREECE



"It takes considerable political commitment to proceed with the EnMS. And very dedicated, hardworking staff. The problems encountered in most municipalities during the data collection for the BEI and SEAP have been dealt and solved with through the EnMS."

LUDMIL MANEV | ECQ, BULGARIA



"The implementation of ISO 50001:2011 is not only a very good tool for monitoring SEAPs measures, but also a very effective instrument for reducing costs in the municipalities related to all kinds of energy use, as well as for saving money to be invested in new energy efficiency actions."

MARIKA ROŠĀ | EKODOMA, LATVIA



"Throughout three years of work in 50000&1 SEAPs project we have proved that the creation and implementation of an EnMS and integration with a SEAP has very high added value. We have proved the necessity for appointed energy managers, and 4 of 5 municipalities in Latvia hired an energy manager or appointed a person."



Co-funded by the Intelligent Energy Europe
Programme of the European Union



VISIBILITÀ INTERNAZIONALE DEL PROGETTO



SOGESCA è membro del
Comitato di valutazione
dell'Energy Management
Leadership Awards dal 2017



COMPETE 4 SECAP

COUNTRIES INVOLVED



Croatia

The C4S project offers Croatian cities a wide array of possibilities to improve and upscale their EnMS.



Cyprus

The knowledge gained through the C4S project will be a good opportunity for accelerating the energy transition in the territory of the involved municipalities.



France

The project partner MT Partenaires Ingénierie serves as the national lead for coordinating French municipalities in C4S.



Germany

The C4S project in Germany supports small and medium-sized cities in their local energy and climate work.



Hungary

Four municipalities will lead by example as active stakeholders in C4S activities, and especially in its energy-saving competition.



Italy

The Italian municipalities participating in C4S activities will be supported in the development of their EnMS along ISO 50001.



Latvia

The participating municipalities will be models for other municipalities in Latvia to promote the fulfillment of climate and energy-saving objectives.



Spain

EuroVértice is the support entity for Spanish cities, helping them in the development and implementation of their EnMS and upgrading to SECAPs.



32 Comuni

ITALY



- San Vito di Leguzzano
- Rubano
- Udine
- Abano Terme



Rubano (PD) con Sistema ISO 50001



ITALY



- San Vito di Leguzzano
- Rubano
- Udine
- Abano Terme



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LINEE GENERALI E OBIETTIVI



Sviluppo,
implementazione e
certificazione del Sistema
di Gestione dell'Energia
ISO 50001 dell'Ente
Locale



Partecipazione alla
competizione
internazionale
sull'efficienza energetica



Sviluppo ed
implementazione del
PAESC Piano d'azione per
l'Energia ed il Clima
obiettivi 2030



SISTEMI DI GESTIONE DELL'ENERGIA

[PER APPROFONDIRE SULLA ISO 50001? CLICCA QUI PER ANDARE ALLA LINEA GUIDA](#)

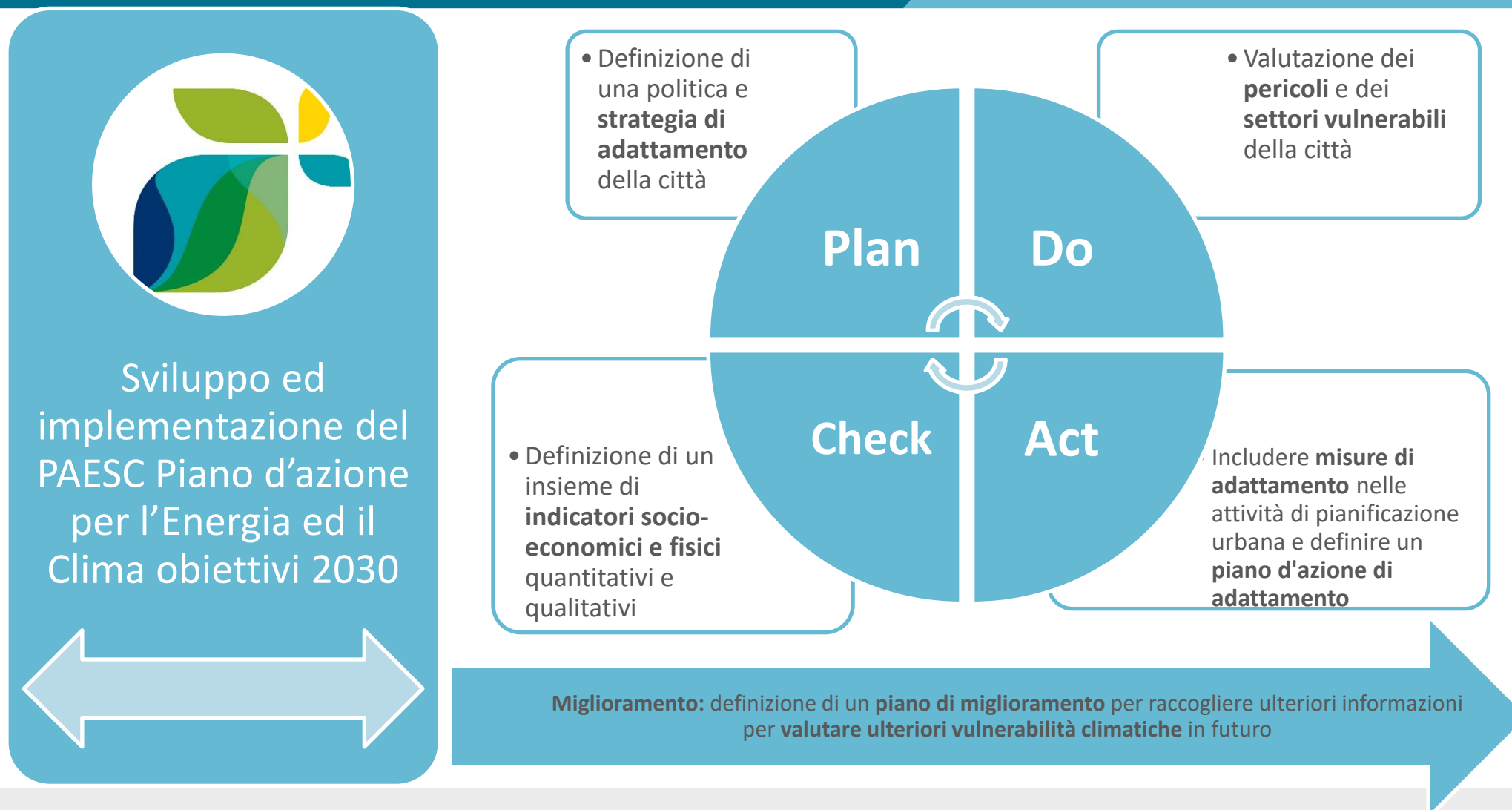
Energia



Competizione sull'uso razionale dell'energia



SECAP approccio SOGESCA



- **ORGANIZZAZIONE INTERNA**
- RUOLI, PROCEDURE,
- **FORMAZIONE INTERNA** PER L'ENERGY TEAM (ed eventuale ENERGY MANAGER)
- **CONTINUITA'**
- MONITORAGGIO DEI CONSUMI
- PAES -> PAESC
- **COMUNICAZIONE VERSO L'ESTERNO IN MODO STRUTTURATO**
- COINVOLGIMENTO STAFF E SCUOLE DI COMPETENZA
- **LINEE GUIDA**

IN SINTESI...





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