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WHAT IS 50000&1 SEAPs? The 50000&1 SEAPs project provides a coherent approach to integrating Energy Management Systems (EnMS) with Sustainable Energy Action Plans (SEAPs) according to energy management standard such as ISO 50001 and European Energy Award, as quality management certification system for municipalities committed to sustainable energy planning. It aims to help municipalities overcome the barriers blocking institutionalisation of their action plans and reinforce internal structures and procedures for high-quality, long-term, energy policy and planning. This ensures that sustainable approaches to local energy policy and planning are spread and strengthened further across Europe. 50000&1 SEAPs is a three-year project co-funded by Intelligent Energy Europe, which runs until February 2017.

[› 50001seaps.eu](http://50001seaps.eu)



ISO 50001, STANDARDS AND ENERGY MANAGEMENT

ISO 50001 and other energy management standards can facilitate municipalities' efforts to use energy more efficiently in all sectors. These standards lay out how to establish, implement, maintain and improve an EnMS, allowing an organisation to achieve continual success in all areas of energy performance, including efficiency, security, and consumption. It aims to help organisations reduce their energy use, energy costs and greenhouse gas emissions while improving environmental management.

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NEWS

PORDENONE COLLABORATES FOR INTEGRATED ENERGY PERFORMANCE (ITALY)



The municipality of Pordenone (Italy) began its engagement with 50000&1SEAPs

in April 2014, at the start of the project. Having developed a very ambitious work program, Pordenone is now focussing on the development of a number of activities related to sustainable and energy-efficient development.

Among these are the development of the municipality's SEAP as well as a Municipality Energy Plan, which is required by local laws in the Friuli-Venezia Giulia region. Pordenone is also working to achieve compliance with ISO 50001 in the framework of 50000&1SEAPs. Moreover, plans are also in development dealing with sustainable mobility and noise.

All the plans will be integrated as they all have different implications for Pordenone's local energy performance. At this stage of the project, the municipality has finished its data collection process and completed its Baseline Emission Inventory (BEI) (baseline year 2010). Pordenone is also collaborating

MONTECCHIO MAGGIORE FINALISES ITS BEI IN PREPARATION FOR ISO 50001



The Italian municipality of Montecchio Maggiore has been involved in 5000&1SEAPs since the start of the project in April 2014. The

municipality has already gained certification with ISO 9001 (Quality Management System) and ISO 14001 (Environment Management System), and is now focused on developing its SEAP and meeting the criteria for ISO 50001.

At this stage, the municipality has finished its data collection process and completed its Baseline Emission Inventory using a "bottom-up" approach. This was done with the involvement of local energy distributors, who collaborated with the municipality to collect data on private consumption. The energy consumption of the local public administration over five years (from 2008 to 2013) was also collected. This includes energy consumed by publically-owned buildings, facilities, lighting, and vehicles.

With the collection and analysis of this data, Montecchio Maggiore's public administration is now defining the scope of further work on meeting the requirements of ISO 50001, chiefly by defining the policies and responsibilities of municipal energy engineers and their management.

SYSTEMATIC ENERGY MANAGEMENT IN DZIERŻONIÓW (POLAND)



Dzierżoniów was the first Polish municipality which decided to integrate its SEAP with ISO 50001 criteria and is already benefiting from the synergies between both tools. This approach was

GUEST PROJECTS

INTRODUCING: MESHARTILITY

Measure and share data with utilities for the Covenant of Mayors



The MESHARTILITY project aims at the development of solutions and tools facilitating the exchange of energy data between energy utilities and local authorities (LAs). This aids the development of local authorities' Emissions Inventories and Sustainable Energy Action Plans (SEAPs).

Every local government is responsible for planning the community's sustainable development. This of course includes improved energy conservation and efficiency, as well as the use of renewable energy. Regarding the development of community-wide emissions inventories and SEAPs, it is necessary to know in detail where energy is consumed in order to identify and address problem areas and sectors.

However, energy utilities are not always willing to share them for different reasons. The project addresses this challenge by exploring legal frameworks and current status of cooperation between LAs and energy utilities in 12 countries and creating a systematic cooperation

with the regional government of Friuli-Venezia Giulia, a supporting structure of the Covenant of Mayors which is currently preparing a Regional Energy Plan. The municipality and region are exchanging targets and methodologies on data collection regarding energy consumption in different sectors.

TRAINING ON ENERGY MANAGEMENT CONDUCTED IN ROMANIA



Participants from local municipalities took part in a training event held on 4 and 5 December 2014,

hosted by Timis County Council (Romania). The training focussed on SEAP development and the implementation of methodologies for meeting ISO 50001 criteria. The training was planned as part of the 50000&1SEAPs project and was carried out by project partners DENKSTATT Romania and AMET. During the event presenters from the two project partners gave practical training and advice on a number of relevant topics, such as how to develop a Baseline Emission Inventory or preparing Energy Balances. Good practice examples of measures to mitigate carbon dioxide emissions were also featured. Participants found the training useful and interesting, saying that it had helped to diversify their knowledge on the topics. For the presentations shown at the event and for more information (in Romanian), visit

50001seaps.eu

FIRST STEPS MADE TOWARDS MANDATORY ENERGY MANAGEMENT SYSTEMS IN LATVIA



The process of transposing Energy Efficiency Directive into national

legislation is still very intense in Latvia. It has raised profound discussions on some aspects such as the selection and application of an energy efficiency obligation scheme. In the meantime, the Latvian Ministry of Economics (MoE) is looking at other policy measures to reach the energy reduction target. One such measure might be the mandatory implementation of energy management systems in industries and municipalities. The MoE has drafted an Energy Efficiency Law which requires implementation of energy management systems in the nine largest cities in Latvia. The ministry hopes that this might serve as inspiration for smaller municipalities to reduce their energy consumption through small investments. As currently only one company has received ISO50001 certificate in Latvia, there is little local knowledge on the topic. The draft legislation is still under discussion.

The MoE is looking forward to input from Ekodoma, the local Latvian partner in 50000&1SEAPs. Ekodoma has involved five local municipalities in the project to develop an awareness of energy management systems in Latvia. Moreover, the MoE plans to lead by example and implement energy management system in its building and certify it according to ISO50001.

tested within the IEE ENERGY FOR MAYORS project and now the municipality is glad to share its experience with 50000&1SEAPs participants.

Dzierżonów has been actively engaged in various environmental initiatives for many years, including projects aiming to reduce energy consumption and CO2 emissions. Dzierżonów is also applying the concept of "the public sector as a role model" in rational energy management and is a Covenant of Mayors signatory since 2010. In 2011 the municipality formally approved its SEAP aiming to reduce its annual CO2 emissions by more than 39.000 tonnes. In order to support successful implementation and monitoring of the municipality's SEAP, the decision was made to introduce an Energy Management System following ISO 50001 which was successfully certified in 2013. The municipality's efforts to improve their energy performance were rewarded with the EFQM Excellent Award in 2012. "We decided to introduce our EMS due to the potential benefits that it can have," said Zygmunt Kuc, a municipal engineer. "The most important benefits are: cost reduction, increasing local energy security, and creating the vision of an environmentally-friendly municipality". For more information, contact Patrycja Plonka, project manager at PNEC, at:

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RENEWABLES MAKE CLEAR CONTRIBUTION TO EMISSIONS REDUCTION



A new report by the European Environment Agency (EEA) concludes that Europe's

emissions of greenhouse gases could have been 7 percent higher in 2012 without the deployment of renewable energy from 2005 onwards. This has displaced fossil fuels such as coal and natural gas, use of which would have been 13 percent and 7 percent higher respectively.

The share of renewables was 15 percent of the EU's total energy consumption in 2013, surpassing the target set in the European Commission's Renewable Energy Directive. Hans Bruyninckx, the EEA's Executive Director, said, "Renewable energy is quickly becoming one of Europe's great success stories. We can go even further: if we support innovation in this area it could become a major motor of Europe's economy, bringing down emissions while creating jobs." In addition to renewable energy, other factors have also been responsible for the decrease in Europe's emissions. These include policies and measures designed to improve energy efficiency, as well as changing economic factors and the increasing shift to cleaner fuels. The report adds to the growing body of evidence that low-carbon development can reduce emissions while **stimulating economic growth**. For more information and to read the report, visit:

eea.europa.eu

scheme between both parties. In order to learn about the needs and expectations of LAs and energy utilities, the project partners organised a series of EU and national round tables where they could meet and discuss challenges and barriers related to energy data sharing and find common solutions. The project is already seeing tangible results. ENEL Distribuzione, Italian electricity distributor, has put in place a targeted Data Sharing Mechanism to provide real electricity consumption data to all Italian Covenant of Mayors signatories, while INFO, the project's Spanish partner signed agreements with Spanish energy utilities and started to deliver energy data obtained from them to local authorities. Memorandums of Understanding were also signed in Croatia, between six pilot municipalities and a branch of the national electricity operator HEP.

The project partners are planning the second EU round table to conclude the discussion on the possible ways of improving cooperation between LAs and energy utilities. The event will take place in Brussels (Belgium) on 10 March 2015 and will concentrate on presenting lessons and good practice examples on energy data sharing, discussing of recommendations on how this can be improved, and the practicalities of their implementation in different European Member State contexts.

[Read more](#)

MAYORS IN ACTION



MAYORS in ACTION empowers Coordinators and Supporters (C&S) of the Covenant of Mayors in effectively assisting their municipalities in implementing and monitoring their SEAPs. Through tutoring and coaching schemes for C&S and municipalities, MAYORS in ACTION will allow C&S to feel that they can act confidently at the local level by employing existing tools and experiences in different environments, and support one another towards a common goal.

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EVENTS

Planned activities for 2015 in Romania follow the main scope of Community involvement and several training and local forums will be held in order to spread the Covenant of Mayors initiative benefits. Peer to peer coaching with municipalities will be carried out to aid the process of SEAP integration with the ISO 50001 Energy Management System in Romanian municipalities. Click [here](#) to see upcoming 50000&1 SEAPs-related events.

