Anergo Energy Observatory

Facilitating the access of public authorities to energy data in Romania

A Covenant of Mayors 2016 Case Study

In a nutshell

The Anergo Energy Observatory was born from an effective and structured collaboration with energy data providers. It enables local authorities to access energy data more easily, and helps them achieve a better implementation and monitoring of their Sustainable Energy Action Plan (SEAP) actions.

The Alba Local Energy Agency

The Alba Local Energy Agency (ALEA) is a non-governmental organisation whose aim is to contribute to the sustainable development of the Alba county by improving the energy efficiency, energy management, and by promoting the use of renewable energy sources. As a Local Energy Agency, ALEA supports 15 Covenant of Mayors signatories in developing and implementing their SEAPs, even including municipalities out of the Alba county borders.

Partnering for the observatory

ANERGO Energy Observatory was launched in July 2015 as an internal structure of Alba Local Energy Agency. Local Authorities and energy data providers signed partnership agreements with the observatory in order to facilitate energy data exchange between the local authorities and services suppliers from the power distribution and public transport sectors.

A Regional Steering Committee manages the observatory. It includes representatives of regional and local authorities, energy data providers and energy organisations including ALEA. Members can provide useful directions for the observatory's operation.

The observatory's creation was supported by DATA4ACTION, a project co-funded by the Intelligent Energy Europe Programme of the European Union, which provided the financial resources required for its set-up and operation. Through this EU project, ALEA benefitted from the tutoring from the regional energy agency of Rhone Alps.

The Alba county in numbers

78 Local Authorities divided into 4 municipalities, 7 towns and 67 communes.

Covenant of Mayors signatories in the county: 13

Total area: 6,242 km²

Number of inhabitants: 327,000

Simplified access to data

In order to contribute to the decrease of greenhouse gas emissions in the region and to promote renewable energy production, the observatory has two key targets. The first one is facilitating the access for Local Authorities to energy data for a better implementation and monitoring of Sustainable Energy Action Plan (SEAP) actions.

This role covers the elaboration of public energy consumption reports on an annual basis, displaying energy consumption and prices trends; the elaboration of Baseline Emissions Inventory (BEI) and Monitoring Emissions Inventory (MEI) reports for local authorities compatible with the Covenant of Mayors templates. In fact, ANERGO through its operation elaborates raw energy data required for the Covenant of Mayors SEAPs and public energy reports in Alba region. In addition, it provides tools for comparisons and analysis to encourage local renewable energy production.
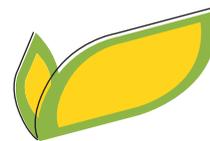
All the services of the observatory are free of costs. These include standard access to the online energy data file for each partner municipality and processing custom requests for energy data analysis at municipal level or per sector, including the provision of data for the Covenant of Mayors inventories.

Involving citizens

The second target of ANERGO is to involve citizens in the process. An online service allows them to manage their energy consumption (electricity, heating, transport..) and their associated costs. Through a free mini energy audit, individual consumers can get feedback to become more energy-aware and to reduce their consumption. ANERGO provides tips and ideas for a more efficient energy and fuel consumption, based on the information entered, and offers prizes for the most active users.

Beyond the Alba county

The project's future ambition is to expand its services to the surrounding counties. The observatory already helps the municipality of Târgu Mureș (Mureș County) develop its Covenant of Mayors Monitoring Inventory. At the same time, the Observatory is engaged in a transfer of experience with The Agency for Energy Efficiency and Environmental Protection from Bucharest (AEEPM) to replicate the ANERGO model in the capital region.

Projects numbers

Launch: July 2015

14 municipalities in the Alba county and neighbouring counties (Centru Development Region) use ANERGO for their SEAPs

6 energy data providers signed "Memorandum of Cooperation" with ANERGO

Each Local Authority partner with ANERGO has free access to its own private energy data file. This file is also a collaboration tool as both the local authority and the observatory can corroborate their data in real time.

Project information

🍃 ANERGO: http://anergo.alea.ro/

🍃 ALEA website: http://alea.ro/

🍃 Data4Action website: http://data4action.eu/en/?cd=uk

🍃 ENERGee Watch website: http://www.energee-watch.eu/

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