

Report- Enerselves Final conference

In June 14th 2022 Enerselves final conference was held in Karlskrona. The conference was arranged by Energikontor Sydost within the the ENERSELVES + project, which supports production of energy in buildings. The projekt takes place in collaboration with partners from Sweden, Spain, Malta, Italy and Romania, with funding from Interreg Europe and the Blekinge Region.



Figure 1 project partner and participants, foto by: Energikontor Sydost

Together with partners from five countries in Europe, the conference aimed to discuss the development of renewable energy in buildings. During the conference, the participants shared lessons learned, knowledge and tools with each other. Moreover, stakeholders from the different regions were invited to speak share their experience and be inspired by each other.

A number of presentations were held I the morning and they led to fruitful discussions and knowledge exchange between the project partners and participating stakeholders.

Extremadura region presented, among other things, a mapping tool used to identify potential for solar energy production. The mapping tool is largely similar to the Solar Map in Blekinge, a service at the County Administrative Board of Blekinge, where property owners can see how much electricity their roof can generate if you install solar cells. Such similarity may lead to a future partnership and knowledge exchange to improve both tools.



Figure 2foto by Göran Gustavsson

In addition, Agenex and its stackholder Iberdrola also talked about how they establish systems and legislation that allow the sharing and distribution of energy produced by adjacent buildings. This led to interesting discussions during the conference and opened the doors for a future knowledge exchange between Sweden and Spain, as energy sharing in microgrids in Sweden is relatively new (the amendment to the regulation came into force on 1 January 2022). The technology will enable common photovoltaic systems to be used by all apartments and buildings in a tenant-owner association, or that a common energy storage can be shared by several buildings and nearby properties, which will probably lead to lower costs.

Simona Gheorghiasa from the North-East Regional Development Agency in Romania, presented how the North-East ROP program will fund measures to make their region more sustainable and environmentally friendly, including supporting investment in housing and public buildings to increase energy efficiency and implement cost-cutting measures. Meanwhile, Mădălina Vițelaru showed the mapping the renewable energy production in the North-East region of Romania.

Noel Formosa, the mayor from Gozo, provided an inspiring speech about the importance of working together as well as showed how they work with their public engagement in a bottom up approach. At the same time Diane Cassar from MIEMA talked about how their stakeholder engagement led to new types of financing schemes.

The Italian delegation was participating online, and yet held a solid presence. Professor Fabrizio Cumo talked about their modelling and change efforts for energy efficiency and use of social panels in social housing building.

From Sweden, Freddie Sjöberg (substituting Niklas Carlsson) presented Expo Karlskrona, a public-private partnership to create a more sustainable future that aims to building a platform for bringing together sustainable solutions for the next generation housing by "2025".

Tommy Lindström, project manager at Energy Agency for Southeast Sweden presented the "Energy Cooperation Blekinge" which is a practical regional tool that provides good support for project managers to carry out projects with sustainable construction.

Project manager Lidia Salame presented a diagram with statistics on the number of photovoltaic systems and installed power in Blekinge County. Thanks to the statistics, it is possible to estimate whether the solar energy target can be achieved and what future efforts are needed to make progress in increasing the production of solar energy. According to Blekinge's solar energy target, solar electricity will account for approximately 5 percent of the electricity demand in Blekinge by 2030, which corresponds to approximately 120 MW of installed power. The statistics show a large increase in recent years.

Study visits provided ideas for new projects

SOLCEL PARK in Lyckeby

During the afternoon, a study visits including 3 stops was carried out.

First, Karlskrona solar park was visited in Lyckeby, where the participants learned about the efficient use of a previously polluted landfill, and how the "odd angle on the solar panels" provides a larger (although flatter) distribution curve which turned out to be more efficient to cover consumptions patterns. With the finalization of implementation stage 4, the park will have a capacity of 2,4 MW.



Figure 3 Solcel Park in Lyckeby Karlskrona, foto by Andre Benaim

BJÖRKETORP GÅRD – Solar panels, biogas and agrovolaics

The second study visit was to Björketorpsgård to listen to Per Brunnberg's inspiring story behind the investment in solar and biogas plant. The solar panels consistently produce 32KW/h (have generated even more) and biogas 25 KW/h which makes the farm basically self-sufficient. In addition, Per has shared his ideas about future investments in biogas tractors and solar panels in the fields as way to increase their production and power new machinery at the farm.



Figure 4 Björketorp gård solar panels and inside hall lecture; foto by Andre Benaim

GIRAFFEN – Eco Charging and bike pool

Finally, the participants got to visit the "giraffe" in Karlskrona, which is a wind and solar powered charging station for electric vehicles. According to the producer innoventum, The Giraffe has a yearly energy production of around 15,000 kWh.



Partner meeting

In June 15th followed a partner meeting. Within it the project members conducted an informal SC meeting, in which partners discussed the tasks ahead and reporting details. In addition, Agenex (LP) has also conducted a workshop to formally gather and document the results and experience of partners.



Figure 5PP meeting and documentation foto by Andre B