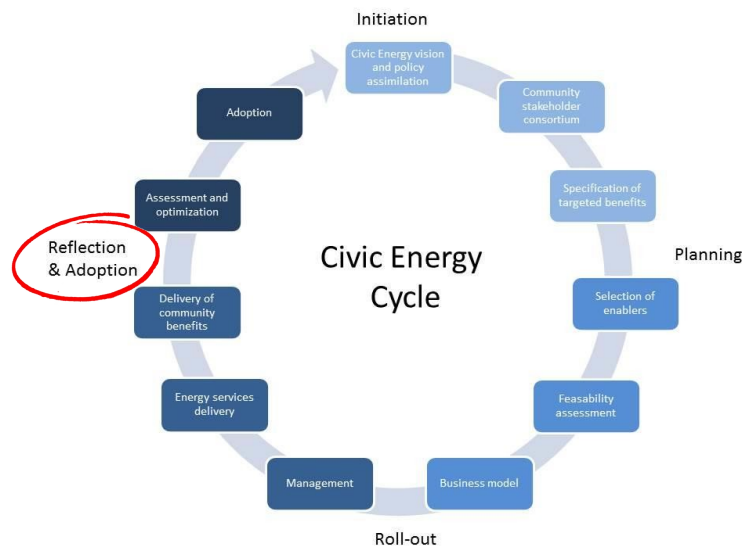


Matchmaking platform

Region: Uppsala

The idea of the pilot was to establish a matchmaking platform and guidance for stakeholders to meet, integrate and consolidate to develop new cooperative and energy communities in Uppsala. These initiatives give the community greater control over their critical infrastructure and allow them to drive innovation at a speed that is required for their situation. Focus is on sustainable energy communities and solutions that can be a learning process for the Bergsbrunna initiative.

One of the main challenges for Uppsala is capacity constraints in the distribution electrical grid. One solution is to make inhabitants, SME:s and communities more aware of their impact on the loads in the distribution grid and ways to use capacity more flexible through energy communities. To use the platform to educate the stakeholders and target groups of how they can steer the electricity use and power output to decrease the power peaks opens up for possibilities for more civic energy.



Current stage of pilot with respect to Civic Energy Cycle

The current stage of the matchmaking platform is Reflection & Adoption where improvements and updates are under progress. Some reflections and questions during this stage are:

- How Uppsala can continue work with the matchmaking platform to reach out to energy communities.
- What role Uppsala municipality will have in future projects.
- How the organizations and communities can develop business models and create energy communities within the national laws.

Targeted benefits

- Energy communities and energy users play a more active role in their local energy system.
- Increased and facilitated possibilities for communities as households, companies and organizations to match and team up in energy communities.
- Implement civic energy process in Uppsala as a learning process for the Bergsbrunna initiative.
- Lower climate impact and a step closer to reach Uppsala's goal to be climate positive by 2050
- Increased knowledge about the capacity constraints in the distribution electrical grid in Uppsala.
- Using flexibility and decrease power peaks alleviates grid congestion, making it possible for new inhabitants and businesses to grow.
- A more efficient use of the electrical grid reduces the need for overcapacity in the grid, which in turn is a financial saving.

Delivered benefits

- Implement civic energy process in Uppsala as a learning process for the Bergsbrunna initiative. – Through the matchmaking platform has Uppsala municipality become more experienced and gained knowledge about civic energy. Tested energy communities are a part of the learning processes to understand the potential in Bergsbrunna.
- Increased knowledge about the capacity constraints in the distribution electrical grid in Uppsala. – More knowledge to stakeholders and inhabitants of how they can steer the electricity use and power output to decrease the power peaks through examples energy communities. Energy communities and energy users play a more active role in their local energy system. – Stakeholders has been more aware of how they can impact their situation and how they will and can do to be a more active customer in the local energy system.
- Increased and facilitated possibilities for communities as households, companies and organizations to match and team up in energy communities. - The platform has given more opportunities for target groups to meet and team up.

Stakeholders involved

- Municipality of Uppsala
- SME in the region of Uppsala
- Energy and climate advisors in Uppsala county
- Inhabitants of Uppsala county
- Uppsala University
- Swedish Agricultural University (SLU)
- STUNS

Capacities for improvement

- Technical expertise
- Knowledge among stakeholders about energy communities
- National legislation and frames

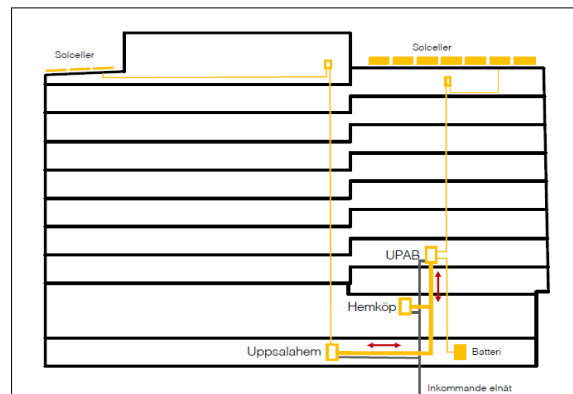
Risks and barriers

- Delay in national legislation
- Lack of knowledge about legislations leads to difficulties for energy communities to form.
- Due to COVID-restrictions and cancelled local events has it been more difficult to reach potential inhabitants, SME:s and communities to promote energy communities.



Svenska Solelmässan 2020 pass 2(3), Energigemenskaper – ett måste för en hållbar framtid

Panel discussions about Energy Communities at the digital exhibition, Svenska Solelmässan (Swedish Solar Expo) 2020 where the COBEN project was participating in the panel.



Schematic picture of a potential Energy Community for a mobility house with 60 charging points for electrical vehicles, apartments for students and a grocery store to decrease the power peaks and improved efficiency between the three organisations when the power demand is high