Interreg North-West Europe
EUROPEAN UNION
cVPP
European Regional Development Fund

NEWS
#4

cVPP: community-based Virtual Power Plant

Newsletter N°4

Overview

4th cVPP Partnership meeting in Apeldoorn, The Netherlands

cVPP Partnership

The 4th cVPP Partnership Meeting took place on 8th – 10th May 2019 in the inspiring city of Apeldoorn and was hosted by our Dutch Project Partner the municipality of Apeldoorn.

After a successful meeting in November hosted by our Belgium partner, EnerGent, it was time to meet and update each other on our progress so far. With several milestones achieved, we were ready now for introspection and re-evaluation. In order to do so, a slightly different approach was taken. Most of the sessions were organised in an interactive manner. This made it possible for us to openly discuss and evaluate the progress so far, focusing on the needs of each partner for the upcoming period. Many new insights were formed in these constructive sessions. On the second day, the Municipality of Apeldoorn organised presentations on the focus neighbourhoods for the cVPP project, followed by a bus tour through these neighbourhoods.

A lot of progress has been shared, as we are approaching the 3rd year of the project. The cVPP concept suddenly became very tangible, with EnerGent presenting their first batteries, Ireland officially branding as Community Power and succesful Solar Schools Competition and Loenen revealing their plans for a market tender. Dr. Anna Wieczorek (TU/e) presented an excellent overview of all of the struggles encountered, but also the lessons learned and progress achieved so far. This inspiring overview gave the partnership even more energy to turn this project into a big success. In the meantime, Kamp C's Dream-Dare-Do days is successfully activating a variety of communities in the Province of Antwerp. Lastly, guest speaker, Josh Roberts, Advocacy Officer at REScoop. EU gave a very informative and inspiring presentation on the Clean Energy Package as a policy foundation for energy communities.

Spotlight on the Municipality of Apeldoorn

The Municipality of Apeldoorn is an average sized municipality in the east of the Netherlands.

The municipality totals around 162.000 residents over several villages, most of them in the city of Apeldoorn. The area is situated near the Veluwe, a large ecosystem including woodland, heath, some small lakes and Europe's largest sand drifts. The Municipality of Apeldoorn is known as a 'green' municipality due to their vast surroundings and their ability to blend the green character in an urban environment.
The Municipality of Apeldoorn is on its way to become an energy neutral city. They aim at being an energy leader and taking initiative in new innovations. One of the steps in order to be energy neutral requires local sustainable energy generation and local energy use. The municipality of Apeldoorn is actively strengthening local communities and initiative, as they are key players in the energy transition. The area is also part of a larger network named the **Cleantech Region** with seven other municipalities and partners from education, research and entrepreneurs.
In order to reach their ambitious sustainability goals, Apeldoorn and the Cleantech Region actively work together with other European partners to share knowledge and upscale innovations. Focus areas for the European collaboration are Energy, Circular Economy and Climate adaptation. For example, Apeldoorn is also a partner in the H2020 project **Cityloops**, which aims at closing the loops in the construction and biowaste sector. For more information about the European activities of Apeldoorn and the Cleantech Region, you can contact their advisor European Affairs Matthijs Peters at **mn.peters@apeldoorn.nl**.

Bus tour through future Energy neutral neighbourhoods.

De Groene Hoven

Energy neutral neighbourhoods

Several neighbourhoods within Apeldoorn are in a trajectory for 'neighbourhood of the future' (Wijk van de toekomst). The goal with these neighbourhoods is to become frontrunner neighbourhoods and become energy neutral as soon as possible. New technologies and innovations are also used for the first time in these neighbourhoods. The cVPP project is one such innovation.
Several other examples include de neighbourhood 'De Maten', where they are researching different options for sustainable heating of existing buildings. One of the options currently being investigated is using aquathermy. The neighbourhood 'Kerschoten' has several large solar panel projects, one on the rooftop of the general community building and soccer organisation Robur et Velocitas. These examples of a 'Postcoderoos project' are in fact a similar to a cVPP type project. Finally, a successful cooperative purchase campaign for solar-panels was launched in the beginning of this year by the Regional Energy Centre (Regionaal Energie Loket), commissioned by the community of Apeldoorn. More than 280 households joined the action and had solar panels installed on their roofs. At the same time a municipal solar panel loan was launched, to make financing easy. The action will be replicated in other parts of Apeldoorn.

What is replication? Apeldoorn update

The cVPP project has three main goals. The first one is to implement and test cVPP in Belgium, Ireland and the Netherlands. The second goal is to co-create a Mobilisation and Replication model (MoRe). One of the main inputs in this model is through testing by follower communities.
This goal is called 'replication' for short and is described as follows:
'Test and assess the MoRe by replicating in follower communities that will be identified and actively engaged in the process. After its end, the project will contribute to further roll-out of the cVPP to other NWE and European areas by dissemenation of business plans & guidance.'

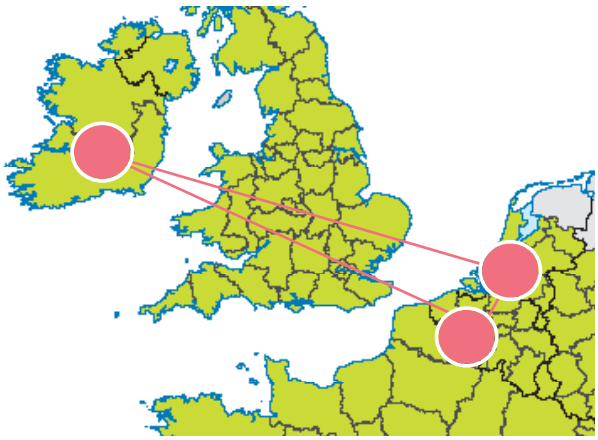
The Municipality of Apeldoorn is responsible for the work package Replication. Several steps will be taken in order to successfully replicate the cVPP concept to follower communities. The first challenge is to find communities that are suitable as follower communities. This project aims to empower existing energy communities, but new communities are also formed throughout the process. The Municipality of Apeldoorn has therefore focused on the three neighbourhoods that are most active on energy related topics, like insulation, sustainable heat solutions, PV- project, etc. The profiles of neighbourhoods have been described and used to set up the competition.

Competition

The municipality of Apeldoorn is organizing a competition for designing a cVPP. All residents are welcomed to join. After a kick-off, three workshops are organized which contain all of the information needed to design a cVPP. The workshops are a direct result of the cVPP-project's output so far, including what we learned on communities, values, context, market roles and techniques. The competition will activate and strengthen communities, while also gathering useful data for testing the MoRe model. We are therefore collaborating with several cVPP project partners in order to organize the competition and the trajectory. The competition will kick-off on the 16th of October.

Apeldoorn

Want to know more about the Municipality of Apeldoorn? Watch the full interview with the project coordinator Femke Jochems on our website!



The cVPP Partnership network

Project facts

September 2017 to September 2019
€ 6.11 million total project budget
€ 3.66 million funded by ERDF

Upcoming events

- **Competition Kick-off** in Apeldoorn: 16th October 2019.
- **5th cVPP Partnership Meeting**, in Antwerp hosted by Kamp C: 13th to 15th November 2019.
- cVPP project participation in Interreg NWE **Making an Impact!** event in Tourcoing, FR: 4th to 5th December 2019.

The cVPP Partners

Do you want to meet all of our partners?
Visit the cVPP-website and watch all partners interviews http://www.nweurope.eu/projects/project-search/cvpp-community-based-virtual-power-plant/

Contact

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