City Storage and Sector Coupling (CSSC) Lab

CEESEN Partnership Conference
19.05.2022

Vanessa Boas
ConPlusUltra, Austria
Our project

CSSC Lab is dedicated to city storage and sector coupling

✓ 30 months (July 2020 – December 2022)

✓ approx. 2 million EUR co-financed by INTERREG-DANUBE
Our approach

**What?** Test, promote and spread city storage and sector coupling solutions + build capacities

**Where?** In small and medium-sized municipalities in the Danube region

**Why?** Because these municipalities have huge potential, but sometimes lack the necessary know-how.
What is city storage and sector coupling?
Non-technical definition

- Transferring the energy generated through renewable energy sources to other sectors
  
  Energy generation -> distribution -> buildings -> mobility

- combined with storage technology
The partnership
The partnership

17 project partners

12 associated strategic partners
4 demo centres
Our Platform

Welcome to the virtual CSSC Lab Platform

The CSSC Lab platform brings together participating cities, partners, stakeholders, and end-users to explore and develop innovative, multi-sector solutions, all of which can be witnessed in the cities. Not only does the platform harbour all the information of the different demo sites and allows you to understand new solutions, it also gives you with live data on the sites, which is most appropriate for your municipal needs.

CSSC Lab demonstration centers

Demo sites have been developed in Austria, Bulgaria, Croatia, and Slovenia in order to demonstrate the real-life use of different CSSC technologies. Each site tests a specific sector coupling solution in line with its local needs. For this, technical equipment has been procured and installed as part of the project activities.

For example, in one solution, electricity is being generated with photovoltaics, stored in batteries and used to charge electric cars. This facilitates a local school building and thereby also benefits the local community. These are just two of the stories to be told.

Stakeholders can follow the set-up, operation, and development of the demo sites. In this way, the know-how acquired through the project can also be transferred to the original project regions. Furthermore, the platform shares live data from the demo centres relating to the different sectors and the KPIs.

www.cssclab.eu

Join our trainings!