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PROJECT PARTNERS

North-West Croatia Regional Energy Agency	Croatia
Zagreb County	Croatia
ConPlusUltra	Austria
Energie Kompass	Austria
solar.one Immo GmbH & CoKG	Austria
Local Energy Agency Spodnje Podravje	Slovenia
Municipality of Destrnik	Slovenia
Union of Bulgarian Black Sea Local Authorities	Bulgaria
Alba Local Energy Agency	Romania
AgEnDa, z.s.	Czech Republic
Old Town Borough of Bratislava	Slovakia
Slovak University of Technology	Slovakia
Lake Constance Foundation	Germany
Energy Agency Regio Freiburg	Germany
Sarajevo Economic Regional Development Agency	Bosnia & Herzegovina
Innovation and Entrepreneurship Center Tehnopolis	Montenegro
Cross-border Cooperation and European Integration Agency	Moldova

ASSOCIATED PARTNERS

HEP Toplinarstvo d.o.o.	Croatia
Municipality of Alba Iulia	Romania
Třeboň Municipal Water Company Ltd.	Czech Republic
City of Vienna / EU Funding Agency Ltd./ EU Strategy of the Danube Region / Priority Area 10	Austria
Gutach (Breisgau)	Germany
Municipality of Dornava	Slovenia
Donaueschingen	Germany
Marktgemeinde Ollersdorf	Austria
City of Zaprešić	Croatia
Dobrich Municipality	Bulgaria
3K	Bulgaria
Lucron Group a.s.	Slovakia

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Danube Transnational Programme
CSSC LAB

CSSC Lab Innovative city storage and sector coupling solutions for a greener Europe

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WHAT IS CSSC LAB?

City Storage and Sector Coupling Lab (CSSC Lab) is an INTERREG-financed project, which will run from July 2020 to December 2022. It tests and supports the roll-out of innovative city storage and sector coupling solutions at the municipal level in Europe. For this, it relies on the know-how of its 17 project partners and 12 associated strategic partners. Since the partnership is made up of representatives from 11 Danube region countries including the Western Balkans, it demonstrates the relevance of city storage and sector coupling solutions in a variety of contexts.

It is widely recognised that there is immense potential for city storage and sector coupling in small and medium-sized cities in Europe. However, for this potential to be seized, capacities must be built at municipal level. Equipping local administrations with the necessary skills to implement city storage and sector coupling solutions will help boost such initiatives. This in turn will enhance energy security and energy efficiency locally while equally contributing to meeting the EU's climate targets.

TESTING THE SOLUTIONS

In 2021, four demo sites will be set up in **Austria, Bulgaria, Croatia** and **Slovenia**. Each site will test city storage and/or sector coupling solutions in line with its local needs. All these solutions will be demonstrated on the CSSC Lab Platform.

In Austria, photovoltaic electricity and thermal heat will be stored for charging e-vehicles and for the heating of a renewable energy competence centre. In Bulgaria, an office building will be heated using a biomass heating unit. At the same time, photovoltaic electricity will be stored in batteries to cover the energy needs of the building and for charging e-vehicles at a public charging station. In Croatia, solar thermal energy will be captured to heat a local school building and heat will be exchanged with the district heating system during times of peak production, making the school a heat prosumer. In Slovenia, electricity will be generated with photovoltaics, stored in batteries and used to charge electric cars in the local municipality.

Find out more at
www.interreg-danube.eu/approved-projects/cssc-lab

FACILITATING REPLICATION

To ensure that the solutions are replicated beyond the four project demo sites, the project will also:

- craft and test a comprehensive training programme for municipalities, which will showcase the application of typical city storage and sector coupling solutions,
- develop a tool kit for a quick assessment of both the ecological and economic effects of a given investment,
- create action plans for each of the project regions to ensure that the newly acquired know-how is applied in practice,
- elaborate strategic recommendations within a roadmap, guiding the target municipalities in their future implementation of the city storage and sector coupling solutions,
- share all relevant material on the CSSB Lab Platform, making it accessible to stakeholders beyond the original project region.

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