

JOINT FINAL EVENT

23 MARCH 2022, RIVA DEL GARDA, ITALY



OnePlace
The Online Energy Platform

Option 1: Cooperation is central, Joining forces for energy efficiency
Option 2: Combining different approaches to increase energy efficiency
Joining forces to increase Europe's energy efficiency - step by step
One goal, many way - increasing Europe's energy efficiency

AUTARKY RATE TOOL

In context of the European Green Deal, the current Autarky Rate (AR) is a key indicator for assessing the energy independence of a region. The tool is available for regions that are interested in increasing their energy independence. It provides a clear overview of the current AR and the potential for increasing it. The tool is based on the following parameters:

- Type of Power Generation
- Consumer Characteristics
- Storage Parameter
- Evaluation Period

EVALUATION

DATA COLLECTION

 **PRIORITY: LOW CARBON CITIES AND REGIONS**



OPTIMAL SIZING CALCULATOR TOOL

Optimal determination of a solar system size is a key indicator for assessing the energy independence of a region. The tool is available for regions that are interested in increasing their energy independence. It provides a clear overview of the current AR and the potential for increasing it. The tool is based on the following parameters:

- Orientation
- Inclination
- Number of panels
- Price of PV system
- Charging efficiency
- Price of power converter
- Discharging efficiency
- Price of new battery pack

RESULTS

Optimal battery size, Optimal power converter, Optimal PV size

OPTIMAL SOLUTION FOUND



JOINT FINAL EVENT

23 MARCH 2022, RIVA DEL GARDA, ITALY



 **PRIORITY: LOW CARBON CITIES AND REGIONS**

**Transnational cooperation for energy efficiency and a sustainable future
- joining forces to reach low-carbon cities and regions**

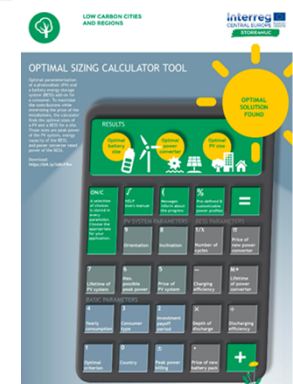
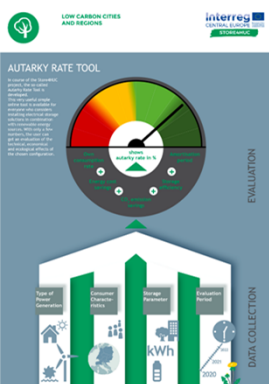


JOINT FINAL EVENT

23 MARCH 2022, RIVA DEL GARDA, ITALY

Transnational cooperation for energy efficiency and a sustainable future

- joining forces to reach low-carbon cities and regions -



 **PRIORITY: LOW CARBON CITIES AND REGIONS**

<https://www.interreg-central.eu/Content.Node/TARGET-CE.html>

TARGET-CE

NEWS

PROJECTS CAPITALIZED

ONEPLACE PLATFORM

WORK PACKAGES

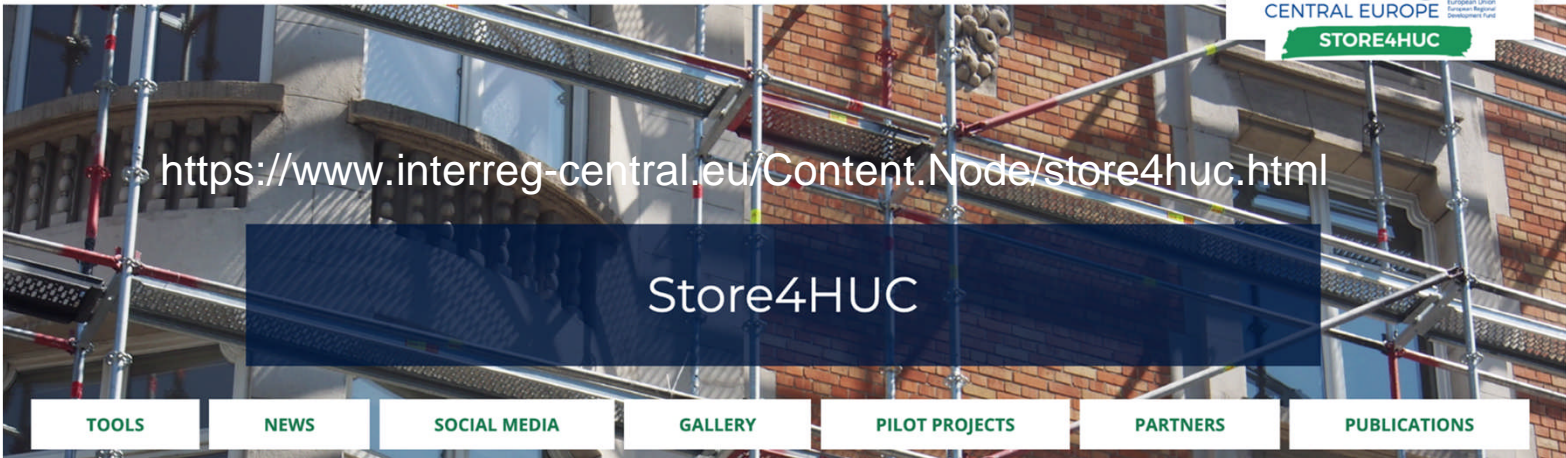
PARTNERS

PROJECT NUMBERS

NEWSLETTER

CONTACT

<https://www.interreg-central.eu/Content.Node/store4huc.html>



Store4HUC

TOOLS

NEWS

SOCIAL MEDIA

GALLERY

PILOT PROJECTS

PARTNERS

PUBLICATIONS



AGENDA

09:30-09:50	Welcome and intro - Fabio Remondino (FBK Trento, Italy - TARGET-CE coordinator), Katja Karba (Development agency Sinergija, Slovenia - STORE4HUC coordinator)
09:50-10:00	Outlook to the Interreg CENTRAL EUROPE programming period 2021-2027 and first calls - Viktorija Dobravec (Interreg-CE Joint Secretariat, Austria)

PRESENTATIONS OF PROJECT SOLUTIONS

10:00-11:00	<ul style="list-style-type: none"> • The TARGET-CE Anna Nowacka • Experiences in becoming energy self-sufficient (KSSENA, Slovenia) Robert Pratter (KSSENA, Slovenia) • Autarky rate through energy storage Robert Pratter (KSSENA, Slovenia) • Optimal sizing of energy storage Rukavina (FER, Croatia)
-------------	--

PRESENTATIONS OF PILOT ACTIVITIES

11:30-13:00	<ul style="list-style-type: none"> • Solar cadastre Stupiński (EUW, Poland) • Energy monitoring system Poland • Central heat storage Austria • Inclined lift energy storage (City of Cuneo, Italy) • Integration of renewable energy Jagarčec (REGENT, Slovenia)
-------------	--

PRESENTATIONS OF SIMILAR ACTIVITIES

14:00-15:30	<ul style="list-style-type: none"> • STARDUST, intelligent solutions for energy, mobility & ICT - Michael Heidenreich (CES, Austria) • 15 years of solutions on energy-related geodata for urban applications - Piergiorgio Cipriano (DedaGroup, Italy) • Enlarging renewable production in Trentino province: solar source and sharing uses - Sara Verones (Autonomous Province of Trento, Italy) • PRISMI Plus Project - Transferring a toolkit for RES Integration in Smart Mediterranean Islands and rural areas - Prof. Davide Astiaso Garcia (Università La Sapienza, Italy) - online • MED Pegasus - Functioning of microgrids - Ivana Ostoic (Sustainable Solutions, Croatia) - online
15:30-16:00	Questionnaire, wrap up and conclusions - Fabio Remondino (FBK Trento, Italy - TARGET-CE coordinator), Axel Veitengruber (Climate Alliance, Germany - STORE4HUC communication coordinator)

TARGET-CE project



- ❑ **TARGET-CE** collected and adjusted (“**capitalize**“) ICT tools, financial models, action plans and training material related to **Energy Efficiency** and deployed everything to new local and regional administrations integrating them into territorial and thematic strategies
- ❑ **TARGET-CE** aimed to become an energy efficiency (EE) flagship, offering & showcasing solutions for **Energy Efficiency** in public buildings within a unique web platform developed with the past Interreg-CE BOOSTEE-CE project **OnePlace** (<http://oneplace.fbk.eu>)



- ❑ 7 partners
- ❑ 6 pilots in 5 countries
- ❑ 04/2020 - 03/2022
- ❑ 8 past projects

The Online Energy Platform

OnePlace

TARGET-CE project

Mazovia Energy Agency

- Energy monitoring scheme in public buildings
- Increase energy efficiency in up to 5 public buildings (public utilities)
- Educational actions
- Using capitalized EE smart management, planning and visualization tool


Capitalized Project: BOOSTEE-CE, EMPOWER, PANEL2050



European Grouping of Territorial Cooperation NOVUM Limited

- Implementation & testing of TARGET-CE capitalized solutions
- Visualize energy flows and optimize energy consumptions,
- Change behavior & train municipal staff, energy planners or students. Up to 10 pilot buildings (schools/utilities)

Capitalized Project: BOOSTEE-CE



Energy and Innovation Centre of Weiz

- Implementation of EE ICT tools
- Inclusion of 3D building models and energy information in Oneplace/3DEMS
- Managing of dedicated energy-related information for up to 3 pilot buildings (offices)

Capitalized Project: CitiEnGov, GreenSoul



Energy Agency of Savinjska, Šaleška and Koroška Region

- Use advanced EE tools & knowledge transfer actions in Nazarje to achieve sustainable energy use
- Improve capacity of building managers and engage final energy consumers
- Up to 8 pilot buildings (art gallery, school, ...)

Capitalized Project: eCentral, ENERGY@SCHOOL



Bruno Kessler Foundation

- Coordinator of the TARGET-CE project
- Technical support of pilot actions
- Responsible for successful implementation and administrative activities


Capitalized Project: BOOSTEE-CE



Sipro Development Agency - Ferrara

- EE actions related to historical buildings
- Visualize/understand energy flows and optimize energy consumptions
- Tailored strategies & models for planning future EE actions
- Deployment of capitalized solutions in up to 20 pilot buildings


Capitalized Project: CitiEnGov



Union of Bassa Romagna Municipalities

- Optimizing energy consumption with TARGET-CE capitalized solutions
- Workshops, seminars, cultural campaign, surveys,
- Use of ICT tools and training of municipal staff, energy planners and students
- Up to 25 public buildings involved (schools, municipal buildings, etc.)


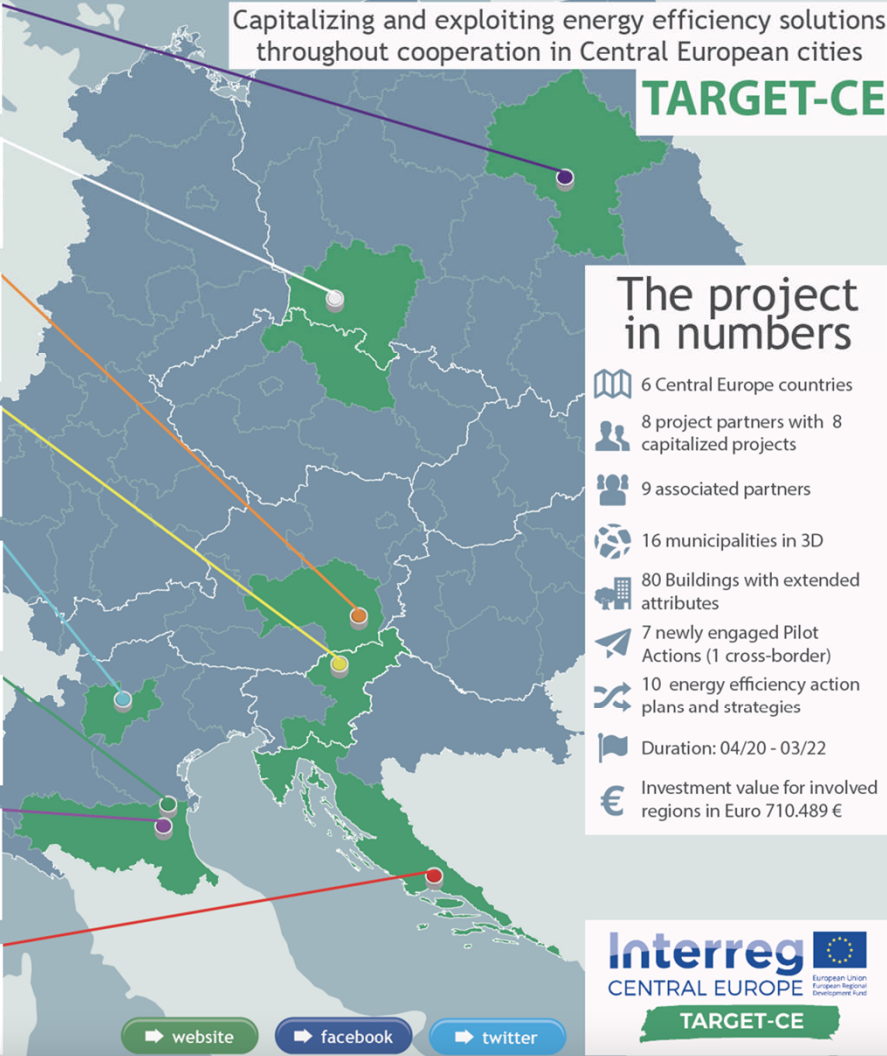
Capitalized Project: ENERGY@SCHOOL



City of Split

- Implementation & testing EE tools for optimizing energy consumption
- Applying project ICT solutions to the public building "Dom mladih Split" (Youth Center Split)
- Optimize energy consumption and disseminate EE solutions to citizens

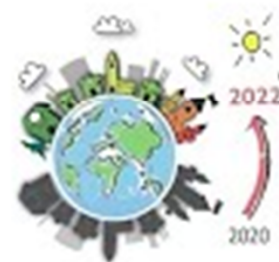
Capitalized Project: CitiEnGov, FEEDSCHOOL

The project in numbers

- 6 Central Europe countries
- 8 project partners with 8 capitalized projects
- 9 associated partners
- 16 municipalities in 3D
- 80 Buildings with extended attributes
- 7 newly engaged Pilot Actions (1 cross-border)
- 10 energy efficiency action plans and strategies
- Duration: 04/20 - 03/22
- Investment value for involved regions in Euro 710.489 €

TARGET-CE project - video #1



<https://www.youtube.com/watch?v=jOI21eNKxzs>

TARGET-CE project - video #2



https://www.youtube.com/watch?v=VZlp_y1ulds

TARGET-CE project - video #2

Interreg
CENTRAL EUROPE



European Union
European Regional
Development Fund

TARGET-CE

➔ website



<https://www.interreg-central.eu/Content.Node/TARGET-CE.html>

➔ facebook



<https://www.facebook.com/TARGETCE2022>

➔ twitter



<https://twitter.com/CeTarget>

3 SPECIFIC OBJECTIVES



SETTING THE TOOLS



ADOPTION OF STRATEGY - IMPROVING ENERGY PLANNING



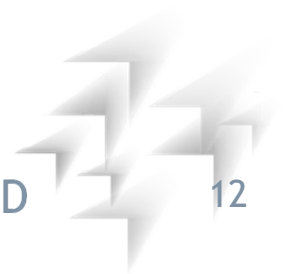
REACHING THE ENERGY EFFICIENCY AND INCREASE USAGE OF RES BY INTRODUCING THE PILOT ACTIONS FOR ENERGY STORAGE



3 SPECIFIC OBJECTIVES

VIDEOCLIP:

<https://www.youtube.com/watch?v=Nb3808I9FxY&t=1s>



PROJECT PARTNERSHIP



GERMANY:

- Climate Alliance

AUSTRIA:

- Energy and Innovation Centre of Weiz
- 4ward Energy Research
- CES Clean energy solution

CROATIA:

- North-West Croatia Regional Energy Agency
- University of Zagreb Faculty of Electrical Engineering and Computing

SLOVENIA:

- Municipality of Lendava
- Development agency Sinergija



OUTPUTS



Autarky rate tool + EMS tool

<https://www.interreg-central.eu/Content.Node/Store4HUC.html>



Workshop on tools, Train the trainers, Webinars

<https://www.facebook.com/store4huc/>



Transnational strategy for the implementation and capitalisation of energy storages in HUCs



Pilot actions



RESULTS



External energy needs of the pilot system - ENERGY SAVINGS:

PILOT	WEIZ	CUNEO	LENDAVA	BRACAK
Pre-investment status [kWh]	1.833.500	18.226	84.351	138.219,67
Target (prediction) [kWh]	1.726.607	12.226	80.133	107.811
Status quo (after pilot implementation) [kWh]	1.812.965	7.431	69.930	126.879,67



STORE4HUC PILOTS



HR pilot - Manor Bračak



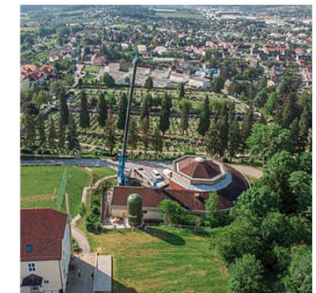
SI pilot - library Lendava



IT pilot - sloping elevator in Cuneo



AT pilot - parish Weizberg



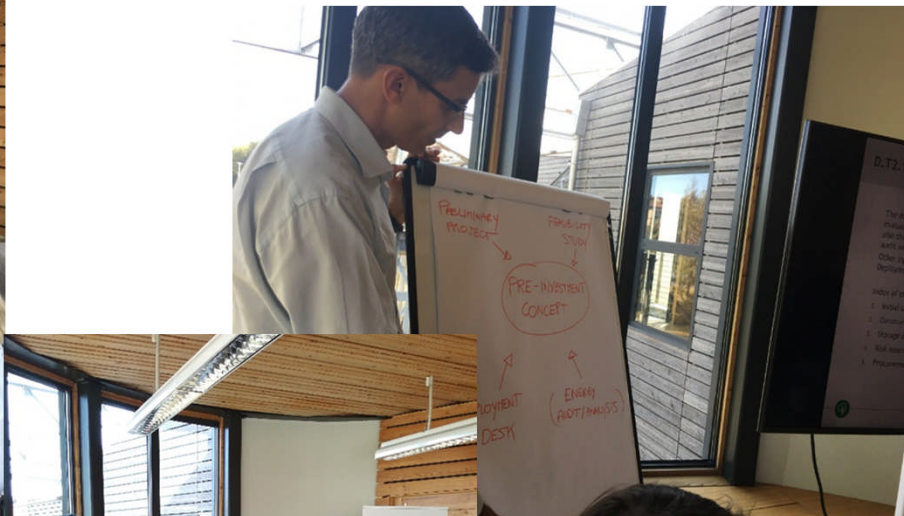
STORE4HUC MEETINGS



**Kick off
meeting in
Slovenia, May
2019**
TAKING COOPERATION FORWARD



STORE4HUC MEETINGS



2nd project meeting in Italy, October 2019

TAKING COOPERATION FORWARD



STORE4HUC ZOOM MEETINGS

