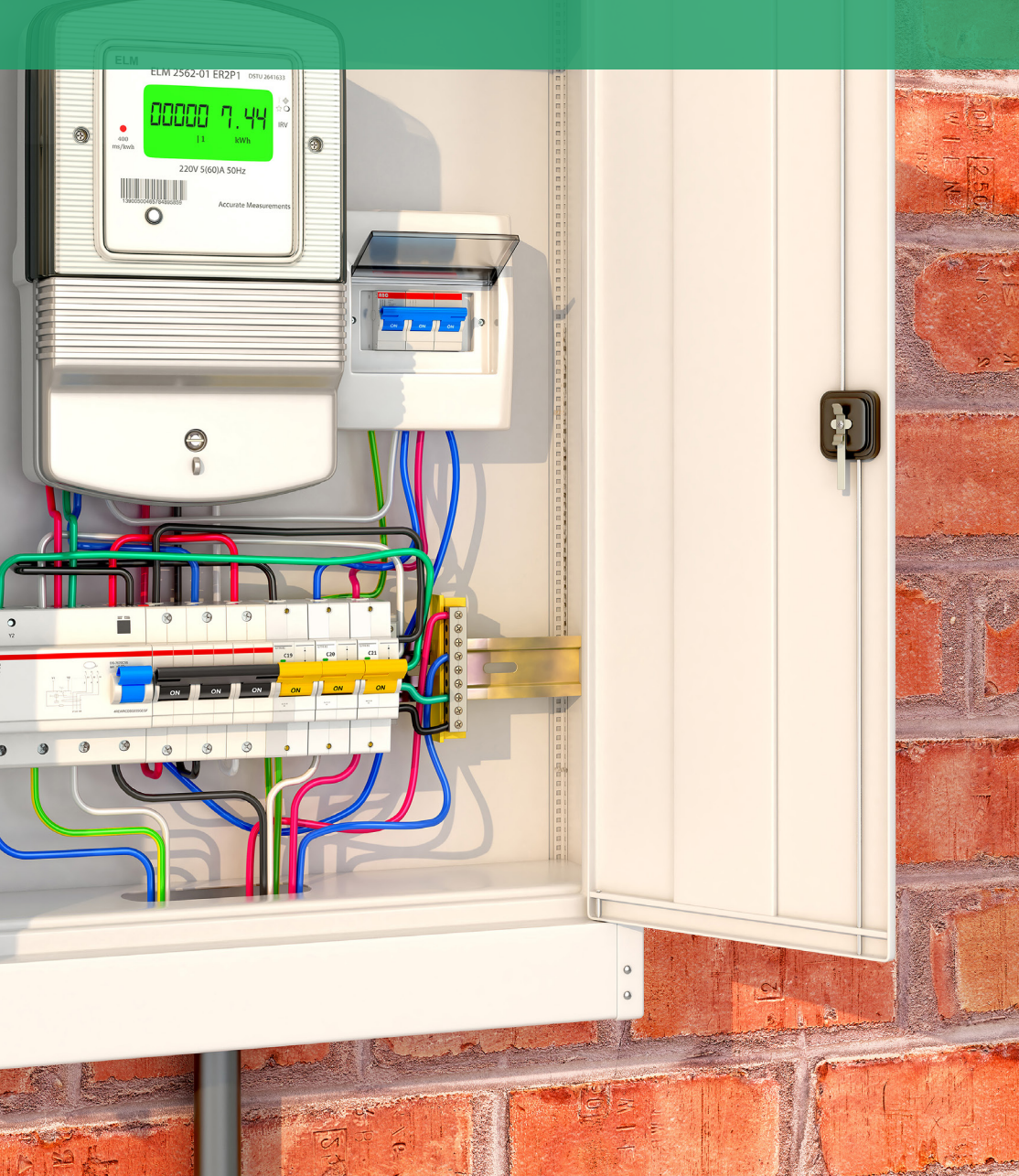


REDUCING ENERGY CONSUMPTION OF PUBLIC BUILDINGS



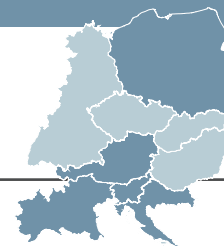
Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

TARGET-CE



Public administrations need support in reducing energy consumption of public buildings. They often lack reliable solutions and integrated approaches. TARGET-CE will improve this situation through transnational cooperation. The partnership collects, adjusts and deploys new information and communication technology tools, financial models, action plans and trainings to local and regional administrations. They will also prepare territorial and thematic strategies and offer all solutions for low-emission public buildings on a unique web platform.

www.interreg-central.eu/target-ce



ITALY	Provincia Autonoma Trento Emilia-Romagna
POLAND	Dolnośląskie Mazowieckie
SLOVENIA	Vzhodna Slovenija
CROATIA	Jadranska Hrvatska
AUSTRIA	Steiermark



PROJECT BUDGET

863
THOUSAND €

ERDF FUNDING

710
THOUSAND €

MANAGING WASTE HEAT IN CENTRAL EUROPE

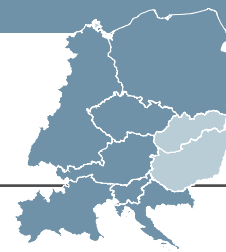


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CENTRAL EUROPE European Union
European Regional
Development Fund

CE-HEAT

Waste heat is a byproduct of many energy systems such as in a refrigerator warming the room air. CE-HEAT seeks to monitor and map out waste heat of various processes with a “waste heat cadaster”. CE-HEAT seeks to monitor and map out waste heat in public buildings with a “waste heat cadaster”. The project will then develop strategies for managing waste heat and also test and implement new tools for using the energy.

www.interreg-central.eu/ce-heat



AUSTRIA	Burgenland
CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Severozápad Praha
GERMANY	Thüringen
ITALY	Friuli-Venezia Giulia
POLAND	Dolnośląskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

**1.97
MILLION €**

ERDF FUNDING

**1.64
MILLION €**

PROJECT LEAD PARTNER:
**E-institute for comprehensive
development solutions, Slovenia**

DURATION: June 2016 - May 2019



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

CE-HEAT

Selected main project outputs

Regional action plans for waste heat utilisation

Digital waste heat cadastres

Transnational waste heat utilization
cooperation platform

Waste heat utilization toolbox

Pilot actions

9 pilot implementations of waste heat utilization focusing on
policy integration and thematic pilots

Policy integration of waste heat cadastres into energy planning

- > *Austria*
 - > *Germany*
 - > *Italy*
-

Thematic pilots

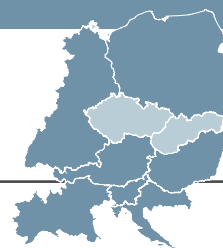
- > *Waste heat from hydropower plants in Slovenia*
- > *Waste heat from biogas in Croatia*
- > *Thermal power plant waste heat use in Poland*
- > *Waste heat usage from captive power plants in Czech Republic*

STRENGTHENING ENERGY GOVERNANCE IN CITIES



Efforts to improve energy efficiency to ultimately reduce carbon emissions requires broad ranging policies that touch on many governance sectors. CitiEnGov helps urban public authorities in central Europe create designated energy units and establishes a network of experts needed to develop and implement low-carbon strategies.

www.interreg-central.eu/CitiEnGov



- | | |
|----------|--|
| AUSTRIA | Steiermark |
| CROATIA | Jadranska Hrvatska |
| GERMANY | Stuttgart |
| HUNGARY | Észak-Alföld |
| ITALY | Emilia-Romagna
Provincia Autonoma di Trento |
| POLAND | Kujawsko-Pomorskie
Mazowieckie |
| SLOVENIA | Zahodna Slovenija |



PROJECT BUDGET

2.15
MILLION €

ERDF FUNDING

1.78
MILLION €



Selected main project outputs

Transnational catalogue of best energy practices in central Europe

Transnational concept for setting up energy units

Strategies and action plans for improved energy planning

Training scheme for energy units

Pilot actions

3 pilot actions improving local/regional energy performance tested in 7 types of implementations

Domestic behavioural changes scheme

- > *Ferrara, Italy*
 - > *Ludwigsburg, Germany*
 - > *Hajdú-Bihar, Hungary*
-

Design and launch of One Stop Shop Energy Service Centre

- > *Bydgoszcz, Grodzisk in Poland*
 - > *Weiz, Austria*
-

Innovative public lighting

- > *Split, Croatia*

REDUCING CO₂ EMISSIONS OF PUBLIC LIGHTING



Public lighting causes around six percent of global CO₂ emissions. Much conventional lighting needs to be replaced by energy efficient solutions but public authorities lack a strategic approach to convert their lighting infrastructure. Dynamic Light encourages city authorities to plan lighting according to needs, by considering safety, light pollution, energy use and aesthetics. The project tests various approaches as it helps develop lighting strategies for cities.

www.interreg-central.eu/DynamicLight



AUSTRIA	Burgenland Steiermark
CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Praha Stredni Cechy Jihozápad
GERMANY	Mecklenburg-Vorpommern Berlin Brandenburg
ITALY	Emilia-Romagna Lombardia Provincia Autonoma di Trento
POLAND	Dolnośląskie
SLOVENIA	Zahodna Slovenija



PROJECT BUDGET

**3.50
MILLION €**

ERDF FUNDING

**2.85
MILLION €**

PROJECT LEAD PARTNER:
University of Applied Sciences
Wismar, Germany

DURATION: June 2016 – May 2019



Selected main project outputs

Manual on dynamic lighting and social needs

Strategy for the promotion of dynamic lighting

Guidelines for integrating dynamic lighting
into public lighting systems

Handbook interpreting road lighting standards (EN 13201) and
implementation of dynamic lighting

Pilot actions

9 pilot actions demonstrating effects of dynamic light on
energy efficiency and user acceptance

7 major pilot installations of innovative lighting solutions

- > *Cesena, IT*
 - > *Čakovec, HR*
 - > *Glienicke/Nordbahn, DE*
 - > *Gorenjska region, SI*
 - > *Güssing, AT*
 - > *Mantova, IT*
 - > *Sušice, CZ*
-

2 small-scale investments

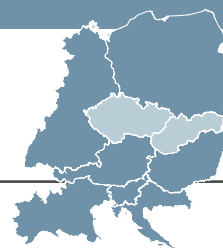
- > *Rostock, DE*
- > *Lwówek Śląski, PL*

PLANNING MORE ENERGY-EFFICIENT SCHOOLS



Energy efficiency in public buildings is a key pillar of the EU's strategy for reducing waste, but the efficiency of schools varies greatly, especially in central Europe. The ENERGY@SCHOOL project will train school staff and pupils to be "Energy Guardians", develop specific strategies for improving efficiency of some schools, and design efficiency tools that all schools can use.

www.interreg-central.eu/energy@school



AUSTRIA	Kärnten Steiermark
CROATIA	Kontinentalna Hrvatska
GERMANY	Stuttgart
HUNGARY	Észak-Alföld Közép-Magyarország
ITALY	Emilia-Romagna
POLAND	Kujawsko-Pomorskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

2.58
MILLION €

ERDF FUNDING

2.12
MILLION €

PROJECT LEAD PARTNER:
**Union of Municipalities of Low
Romagna Region**

DURATION: July 2016 – June 2019



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund
ENERGY@SCHOOL

Selected main project outputs

Toolbox for school energy guardians

Mobile app for energy guardians to monitor energy
consumption and savings

Energy manual for schools
jointly developed with energy guardians

Pilot actions

8 pilots focused on improvement of energy efficiency in 41 schools

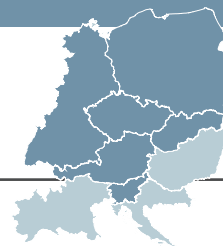
- > *Energy efficiency measures of 3 school buildings in Fusignano, IT*
- > *Energy management system for 7 schools in Bydgoszcz, PL*
- > *Energy monitoring system for 5 schools in Karlovac, HR*
- > *Preparation of Complex Energy Renewal Plan at 5 schools in Szolnok, HU*
- > *Establishment of a demonstrative knowledge RES center at 2 schools in Újszilvás, HU*
- > *Energy management at 5 schools in Stuttgart, DE*
- > *Energy monitoring system at 7 schools in Klagenfurt, AT*
- > *Energy monitoring of public schools at 7 schools in Celje, SI*

ENCOURAGING THE USE OF GEOTHERMAL ENERGY IN CENTRAL EUROPE



Hot water below the earth's surface can provide renewable energy for central Europeans. GeoPLASMA-CE transfers the scientific knowledge about employing this resource to public authorities, using a web-based platform. This web portal includes tools for determining the potential of shallow geothermal energy, connects people interested in this topic and offers background information on six specific pilot areas.

www.interreg-central.eu/GeoPLASMA-CE



AUSTRIA	Wien
CZECH REPUBLIC	Praha
GERMANY	Berlin Chemnitz Dresden
POLAND	Mazowieckie Malopolskie
SLOVAKIA	Bratislavský kraj
SLOVENIA	Zahodna Slovenija



PROJECT BUDGET

2.89
MILLION €

ERDF FUNDING

2.38
MILLION €

PROJECT LEAD PARTNER:
Geological Survey of Austria

DURATION: July 2016 – September 2019



Selected main project outputs

Geoplasma-CE web portal
geothermal energy support and information tool

Databases and thematic maps of geothermal potentials

Strategies for the use of shallow geothermal energy

Pilot actions

Data assessment relevant for the planning of shallow
geothermal utilisation including field measurements in 6 pilot
areas:

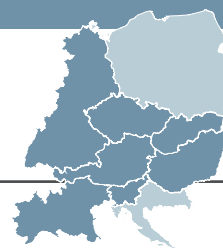
- > *border regions Poland | Czech Republic*
- > *border regions Czech Republic | Germany*
- > *border regions Austria | Slovakia*
- > *Vienna, Austria*
- > *Krakow, Poland*
- > *Ljubljana, Slovenia*

CHANGING TRAVEL BEHAVIOUR OF CITY OFFICIALS



Making commuting more sustainable requires municipal officials who are more knowledgeable. MOVECIT uses training to impact a wide audience of civil servants in central Europe. Project partners will produce 13 workplace mobility plans that cities can use to encourage sustainable commuting of their staff while promoting greener transportation. The project will also undertake seven pilot initiatives to try out innovative solutions for sustainable mobility.

www.interreg-central.eu/movecit



AUSTRIA	Wien
CZECH REPUBLIC	Jihovýchod Severozápad
GERMANY	Leipzig
HUNGARY	Közép-Magyarország
ITALY	Emilia-Romagna
SLOVAKIA	Stredné Slovensko
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

1.54
MILLION €

ERDF FUNDING

1.28
MILLION €

PROJECT LEAD PARTNER:
Development agency Sinergija,
Slovenia

DURATION: July 2016 – May 2019



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

MOVECIT

Selected main project outputs

13 workplace mobility plans for public institutions involved in the project

Toolkit for developing, monitoring and assessing the workplace mobility plans of public institutions

Trainings on low carbon mobility planning for municipalities

Pilot actions

7 pilot implementations of workplace mobility plans

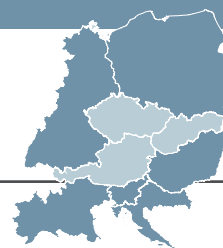
- > *Personal travelling plans for employees*
- > *New e-mobility solutions*
- > *New facilities and parking management supporting environmentally friendly commuting to work*
- > *Awareness-raising campaigns to change the mobility habits*
- > *Multimodal connections with hinterlands*
- > *Data collection of traffic flows*

SERVING CITIES WITH GREENER LOGISTICS



Given that transportation takes a third of our energy consumption and that 82 percent of Europeans will live in cities by 2050, central Europe needs sustainable urban freight solutions. SULPiTER supports policy makers in developing sustainable urban logistics plans for the “functional urban areas” that surround our cities, so that freight can be moved in an energy efficient, environmentally friendly way.

www.interreg-central.eu/sulpiter



CROATIA	Jadranska Hrvatska
GERMANY	Stuttgart
HUNGARY	Közép-Magyarország
ITALY	Emilia-Romagna Veneto Friuli-Venezia Giulia
	Lombardia
POLAND	Wielkopolskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

**2.44
MILLION €**

ERDF FUNDING

**2.00
MILLION €**

PROJECT LEAD PARTNER:
**Institute for Transport and Logistics
Foundation, Italy**

DURATION: June 2016 – May 2019



Selected main project outputs

Governance model and dialogue platform for city logistics
freight quality partnerships

Sustainable urban
logistics plans

Educational model on topics related to the development
of sustainable urban logistics plans

Pilot actions

7 pilot actions analysing the freight demand in
SULPiTER functional urban areas

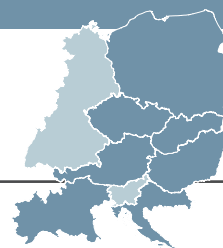
- > *Bologna, Italy*
- > *Brescia, Italy*
- > *Budapest, Hungary*
- > *Maribor, Slovenia*
- > *Poznan, Poland*
- > *Rijeka, Croatia*
- > *Stuttgart, Germany*

ENCOURAGING SUSTAINABLE URBAN DEVELOPMENT



Given that urban areas generate about a quarter of greenhouse gas emission from transportation, sustainable mobility is a priority. SOLEZ project brings together cities which endeavour to implement measures to support low emission zones or other low-carbon mobility policies in Central Europe cities. Project partners will enhance dialogue with key stakeholders in order to design, develop and test innovative ICT-based services and solutions supporting low-emission zones, while decreasing negative impacts that access restriction policies might have on city users.

www.interreg-central.eu/solez



AUSTRIA	Steiermark
CROATIA	Jadranska Hrvatska Kontinentalna Hrvatska
CZECH REPUBLIC	Jihovýchod
HUNGARY	Nyugat-Dunántúl
ITALY	Veneto Piemonte
POLAND	Pomorskie
SLOVAKIA	Stredné Slovensko



PROJECT BUDGET

1.93
MILLION €

ERDF FUNDING

1.60
MILLION €

PROJECT LEAD PARTNER:
Municipality of Vicenza, Italy

DURATION: June 2016 – May 2019



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

SOLEZ

Selected main project outputs

“Smart Solutions supporting Low Emission Zones”
action plans for functional urban areas

E-bus Planning tool
Smart Parking tool

Toolbox for overall design of low-carbon value added services

Pilot actions

12 pilot implementations improving low-carbon mobility in
urban areas focusing on 3 topics

Smart parking solutions, e.g. effective usage of on-street
parking detection

Brno, Czech Republic | Dubrovnik, Croatia

Gdansk, Poland | Vicenza, Italy | Žilina, Slovakia

Value Added Services increasing the attractiveness of Low
Emission Zones, e.g. use of electric vehicles

Graz, Austria | Gdansk, Poland | Sárvár, Hungary

Turin and Vicenza, Italy

Bus electrification:

Dubrovnik, Croatia

Žilina, Slovakia

FINDING ENERGY SAVINGS IN BUILDINGS



Buildings are major consumers of energy, but efforts to improve their efficiency are hampered by high costs and a piecemeal approach. TOGETHER encourages a holistic view of all the energy consumption related to buildings, and develops common solutions for reducing consumption. The project allows local, regional and national officials to share information on problems and solutions, and also offers broad training.

www.interreg-central.eu/together



CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Jihovýchod
HUNGARY	Dél-Dunántúl Közép-Magyarország
ITALY	Veneto
POLAND	Malopolskie
SLOVAKIA	Bratislavský kraj
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

2.33
MILLION €

ERDF FUNDING

1.95
MILLION €

PROJECT LEAD PARTNER:
Province of Treviso, Italy

DURATION: June 2016 – May 2019



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

TOGETHER

Selected main project outputs

Transnational training model on
energy management

Toolkit on energy management
system models

Toolkit on integrated financial
instruments for energy efficient solutions

Toolkit for encouraging consumers
to improve their energy use

Pilot actions

Improved energy performance of 84 public buildings piloting
3 main typologies of actions:

- > *Combination of the existing basic management systems with the demand side management developed measures*
- > *Strengthening the already tested users' engagement schemes with the developed demand side management measures*
- > *Application of developed integrated tools*

POWERING PUBLIC BUILDINGS MORE EFFICIENTLY



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

BOOSTEE-CE



Public buildings are big consumers of energy, and reducing the carbon footprint of the existing building stock is difficult without major renovations. BOOSTEE-CE takes advantage of central Europe's potential to exploit renewable energy and improve efficiency. The project develops simple, less-expensive tools and methodologies that public authorities can use to reduce energy consumption in public buildings.

www.interreg-central.eu/boostee-ce



AUSTRIA	Steiermark
CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Střední Morava
HUNGARY	Dél-Dunántúl
ITALY	Provincia Autonoma di Trento Emilia-Romagna
POLAND	Mazowieckie Dolnośląskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

**2.22
MILLION €**

ERDF FUNDING

**1.84
MILLION €**

PROJECT LEAD PARTNER:
Bruno Kessler Foundation, Italy

DURATION: June 2017 - May 2020



Selected main project outputs

OnePlace - online energy platform

Roadmap for financing energy efficiency actions

3D energy management system

Pilot actions

8 pilot actions demonstrating energy efficiency improvements in different public buildings and increasing public awareness

Test of 3D Energy Management System & application of One Place Platform when designing new or upgrading existing energy monitoring and heating control systems

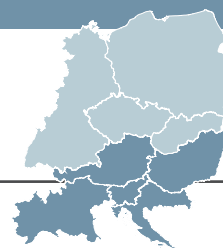
- > *Cross-border regions PL - CZ*
- > *Emilia Romagna region, IT*
- > *Judenburg-Lindfeld, AT*
- > *Koprivnica, HR*
- > *Plonsk, PL*
- > *Tolna, HU*
- > *Velenje, SI*
- > *Zlin Region, CZ*

PROMOTING NEARLY ZERO ENERGY BUILDINGS



By improving efficiency in public buildings, public authorities can save energy and set an important example. The eCentral project will test various financial instruments designed to reduce energy use in buildings to nearly zero. It will also promote an energy efficiency certification programme, to ensure more energy aware construction and renovation of buildings.

www.interreg-central.eu/eCentral



AUSTRIA	Steiermark
CROATIA	Kontinentalna Hrvatska
HUNGARY	Közép-Magyarország
ITALY	Provincia Autonoma di Bolzano/Bozen
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

2.67
MILLION €

ERDF FUNDING

2.23
MILLION €

PROJECT LEAD PARTNER:
**Regional Energy Agency of North-
West Croatia**

DURATION: September 2017 – Februar 2021



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

eCentral

Selected main project outputs

Regional and local energy renovation roadmaps

nearly Zero Energy Building training curriculum

Living energy performance certificates tool

Pilot actions

3 pilot actions on different financial models for
(re)construction of public buildings according to nearly Zero
Energy Building standards

- > Public-private partnership in *Krapina-Zagorje and Zagreb County, HR*
- > Energy performance certificate approach in *Budapest, HU*
- > Crowdfunding in *Velenje, SI*

INCREASING ENERGY EFFICIENCY IN SCHOOLS



The cost of renovation and a lack of knowledge create obstacles to making central Europe's stock of school buildings more energy efficient. FEEDSCHOOLS will support local authorities in improving energy efficiency in schools, by providing technical knowledge and information on obtaining financing for improvements. Project partners will conduct energy audits and use pilot initiatives to propose solutions.

www.interreg-central.eu/feedschools



AUSTRIA	Steiermark
CROATIA	Jadranska Hrvatska Kontinentalna Hrvatska
CZECH REPUBLIC	Praha
HUNGARY	Nyugat-Dunántúl
ITALY	Emilia-Romagna Friuli-Venezia Giulia
POLAND	Łódzkie Mazowieckie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

1.97
MILLION €

ERDF FUNDING

1.64
MILLION €

PROJECT LEAD PARTNER:

National Agency for New Technology, Energy
and Sustainable Economic Development, Italy

DURATION: September 2017 – August 2020



Selected main project outputs

Apps for innovative financing for schools renovations

Toolkit for school buildings renovation

Action plans for public schools renovation

E-learning course on sustainable renovations for schools

Pilot actions

3 pilots involving 5 participating regions, each consisting of around 48 energy audits reviewed by an international technical team.

These audits will be separately prepared for school interiors

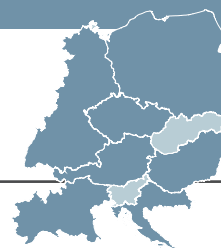
- > *Classrooms*
- > *Sports hall*
- > *School canteens*

FINDING FUNDS TO SPEND ON SAVING ENERGY



Paying for energy efficiency improvements can be a challenge for central European regions. FIRECE helps regional authorities develop creative financing instruments to leverage EU funding in support of energy improvements. The project also gives authorities the tools to audit how well they are spending energy funding and to make sure they are obtaining all available sources of financing.

www.interreg-central.eu/firece



AUSTRIA	Burgenland
CROATIA	Jadranska Hrvatska
CZECH REPUBLIC	Praha
GERMANY	Leipzig
HUNGARY	Dél-Dunántúl
ITALY	Veneto Emilia-Romagna
POLAND	Dolnośląskie Lubelskie



PROJECT BUDGET

1.87
MILLION €

ERDF FUNDING

1.54
MILLION €

PROJECT LEAD PARTNER:
**Chamber of Commerce, Industry, Craft and
Agriculture of Venice Rovigo**

DURATION: July 2017 – June 2020



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

FIRECE

Selected main project outputs

Assessment tool for public investments in
low carbon transition

Guidelines on the use of innovative financial instruments in
energy planning

Action Plan for the inclusion of industries
in low carbon transition

Pilot actions

2 pilot actions in 9 different regions for improving local/
regional energy performance

> Development of ex-ante assessment analysis and
following feasibility study for Innovative Financial
Instruments to support Industry's low-carbon transition in
participating regions

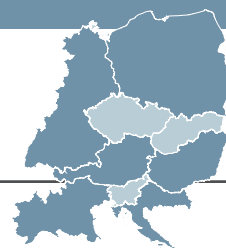
> Testing the assessment tool for investments done/planned to
meet energy savings targets and optimising public resources
into industry low carbon transition in participating region

EXPLORING GREEN WAYS TO AIRPORTS



With air traffic increasing about 10 percent a year in the EU, ensuring low carbon transfers to and from airports becomes essential. The LAirA project seeks to encourage smart, environmentally efficient transportation that integrates airports with the urban areas they serve. The project focuses on improving capacities of public and airport authorities, so they can better plan energy efficient airport connections.

www.interreg-central.eu/LAirA



AUSTRIA	Wien
BELGIUM	Brussels
GERMANY	Stuttgart
HUNGARY	Közép-Magyarország
CROATIA	Jadranska Hrvatska
ITALY	Lombardia
POLAND	Mazowieckie Wielkopolskie



PROJECT BUDGET

**1.94
MILLION €**

ERDF FUNDING

**1.60
MILLION €**

PROJECT LEAD PARTNER:
**Municipality of 18th District of
Budapest, Hungary**

DURATION: May 2017 – December 2019



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

LAirA

Selected main project outputs

LAirA Intelligent Transport Service app
for low carbon mobility planning

Transnational strategy for low carbon and smart airport
functional urban areas' mobility systems

Training and knowledge transfer model for non partner airport
and public entities on low carbon mobility planning

Pilot actions

Pilot testing of car-pooling platforms by airport employees and
implementing awareness campaigns.

Airports involved in testing the mobility behaviour:

- > *Milan, Italy*
- > *Budapest, Hungary*
- > *Warsaw-Modlin and Poznan, Poland*
- > *Dubrovnik, Croatia*
- > *Stuttgart, Germany*

Pilot testing of Intelligent Transport Service App by airport
passengers in Milan, Italy.

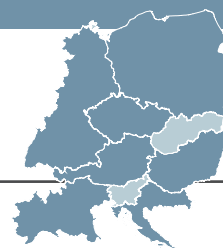
All pilot activities are supported by *Vienna Airport, Austria* as
knowledge partner.

INCREASING INVESTMENT IN LOW-CARBON MASS TRANSPORTATION



Better urban public transport is an essential weapon in the EU's battle to reduce carbon emissions. LOW-CARB works to increase the ability of officials to coordinate joint public investment in low-carbon mass transportation. LOW-CARB partners develop strategies, action plans and design pilot projects to reduce their regions' carbon dioxide emissions by almost 60,000 tons by 2020.

www.interreg-central.eu/low-carb



AUSTRIA	Salzburg
CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Jihovýchod
GERMANY	Leipzig
HUNGARY	Közép-Magyarország Dél-Alföld
ITALY	Emilia-Romagna
POLAND	Malopolskie



PROJECT BUDGET

**2.64
MILLION €**

ERDF FUNDING

**2.17
MILLION €**

PROJECT LEAD PARTNER:
Leipzig Transport Company, Germany

DURATION: July 2017 – May 2020



Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

LOW-CARB

Selected main project outputs

Tool for implementation, monitoring and evaluation of
low-carbon impact by mobility measures

Regional Self-Assessment Tool for Sustainable
Urban Mobility Planning

Strategy for integrated low carbon mobility planning

Central European Sustainable Urban Mobility
Planning Competence Centre

Pilot actions

5 actions piloting low-carbon mobility in functional urban areas

Infosystems and use of applications

- Multimodal & low carbon mobility information system in *Leipzig, Germany*
 - Applications for open data based planning in *Szeged, Hungary*
-

Multimodal public transportation services

- Combined public transportation & e-bike sharing in *Krakow, Poland*
 - Multimodal electric mobility station in *Koprivnica, Croatia*
-

Novel low carbon mobility public service

- ‘Call a clean bus’, as feeder line connecting “hinterland” of *Skawina* with main urban area of city of *Krakow, Poland*

POWERING WASTEWATER TREATMENT WITH SOLID WASTE



Municipalities are seeking new ways to prevent energy waste in their infrastructure. REEF 2W encourages the novel approach of turning solid waste into energy, and using it to power wastewater treatment plants. REEF 2W develops pilot projects as models to show how new solutions help reducing reliance on traditional fuels and increasing the supply of renewable energy.

www.interreg-central.eu/reef2w



AUSTRIA	Wien Oberösterreich
CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Praha
GERMANY	Berlin
ITALY	Emilia-Romagna Veneto



PROJECT BUDGET

**2.30
MILLION €**

ERDF FUNDING

**1.87
MILLION €**

PROJECT LEAD PARTNER:

Italian National Agency for New Technologies,
Energy and Sustainable Economic Development

DURATION: June 2017 - May 2020



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European Regional
Development Fund

REEF 2W

Selected main project outputs

5 regional models for urban
waste water systems implementation

Guidelines on the benefits of wastewater
treatment plants

REEF2W platform for knowledge transfer
on circular resources use

Pilot actions

5 feasibility studies on financial options and integrated
sustainability assessment

- Revamping sludge line in *Montefeltro Servizi (IT)*
- Improvement of wastewater treatment plant for generating a mix of energy outputs in *Berlin (DE)*
- Treating sewage and urban waste in a fermentation plant in *Lienz (AT)*
- Implementation of biomethane production in a wastewater treatment plant in *Prague (CZ)*
- Modification of ater treatment plant to accept organic fraction and sludge utilization in *Zagreb (HR)*

MAKING RURAL AREAS ENERGY INDEPENDENT



Renewable energy sources and greater energy efficiency are key in Europe's efforts against climate change. The RURES project focuses on the potential of rural areas to achieve energy autonomy by exploiting renewable energy while also increasing efficiency. The project will establish networks of local stakeholders to push for energy autonomy and to investigate instruments to finance this goal.

www.interreg-central.eu/rures



CROATIA	Kontinentalna Hrvatska
CZECH REPUBLIC	Moravskoslezsko
GERMANY	Leipzig Chemnitz
HUNGARY	Nyugat-Dunántúl
POLAND	Małopolskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

2.16
MILLION €

ERDF FUNDING

1.82
MILLION €

PROJECT LEAD PARTNER:
Aufbauwerk Region Leipzig GmbH,
Germany

DURATION: July 2017 – June 2020



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Development Fund

RURES

Selected main project outputs

Value calculator - online tool to calculate regional added value
of renewable energy systems

Alternative financing model
for implementing energy efficiency plans

Transferability study for pilot solutions

Pilot actions

5 pilot actions for implementing energy efficiency plans locally

> Ventilation system with heat recovery in public sport centre
Leisnig, Germany

> Intelligent water metering for public water system
Patecznica, Poland

> Solar “E-Tree”
Puconci, Slovenia

> Renewable energy-yard in a former school building
Lenti, Hungary

> Installation of various energy efficient measure in
administrative building
Cakovec, Croatia

TAKING A GREENER ROUTE TO WORK



In European cities, the daily commute to and from work is a major energy consumer. SMART COMMUTING encourages coordination between public transport companies, city officials and other stakeholders to develop a holistic approach to planning more energy efficient transportation in urban areas. Training for public sector workers, expert analyses and the creation of institutional platforms will support better planning of sustainable transport.

www.interreg-central.eu/smartcommuting



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CROATIA	Jadranska Hrvatska
CZECH REPUBLIC	Střední Morava
HUNGARY	Észak-Alföld
ITALY	Emilia-Romagna Veneto
SLOVENIA	Zahodna Slovenija Vzhodna Slovenija



PROJECT BUDGET

1.55
MILLION €

ERDF FUNDING

1.28
MILLION €

PROJECT LEAD PARTNER:
Municipality of Rimini, Italy

DURATION: June 2017 – May 2020



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SMART COMMUTING

Selected main project outputs

Transnational Strategy for Promoting a Smarter Commuting

Trainings on low carbon commuting solutions

Institutional Platform for participative design of new commuting models

Pilot actions

7 pilot actions improving low carbon mobility in urban areas, including sustainable intermodal solution, innovative bike sharing systems or alternatively powered public buses.

Pilot areas cover:

- > *Hranice, Czech Republic*
- > *Koper/Capodistria and Velenje, Croatia*
- > *Rimini, Italy*
- > *Szolnok, Hungary*
- > *Weiz, Austria*
- > *Zadar, Croatia*

GREENING PUBLIC TRANSPORT INFRASTRUCTURE



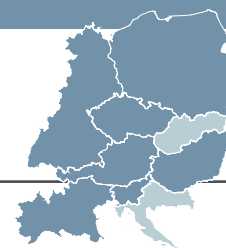
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EfficienCE



More than 60% of commuters in central Europe are using public transport. Measures to increase the energy efficiency and share of renewables in public transport infrastructure can therefore have a particularly high impact on reducing CO₂. The EfficienCE project helps local authorities to make better use of renewable energy in their public infrastructure. The partners develop planning and financing strategies and assist cities and regions in the deployment. They also transfer knowledge and best practices across central European regions.

www.interreg-central.eu/efficienCE



AUSTRIA	Wien
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ITALY	Lombardia
POLAND	Pomorskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

2.43
MILLION €

ERDF FUNDING

2.00
MILLION €

IMPROVING ENERGY EFFICIENCY TOGETHER WITH THE CITIZENS

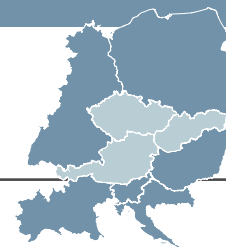


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ENES-CE

Experience shows that plans to introduce a low carbon economy work best if they are developed with the support of citizens. Municipalities in central Europe, however, often apply a top-down approach to local energy governance. Strategies are developed with low public involvement. The ENES-CE project addresses this challenge. It improves the adoption and quality of energy plans through a "bottom-up quadruple helix" approach, in which citizens play a pivotal role.

www.interreg-central.eu/enes-ce



CROATIA	Kontinentalna Hrvatska
GERMANY	Oberbayern Leipzig
HUNGARY	Közép-Magyarország
ITALY	Emilia-Romagna
POLAND	Lubelskie
SLOVENIA	Vzhodna Slovenija Zahodna Slovenija



PROJECT BUDGET

**1.85
MILLION €**

ERDF FUNDING

**1.53
MILLION €**

FEEDING DISTRICT HEATING WITH RENEWABLE ENERGY



District heating is an efficient way of supplying heat in both urban and rural areas. The ENTRAIN project improves the capacities of public authorities to implement strategies that will enhance the use of renewable energy sources in small district heating networks. Heat planning guidelines and quality criteria will be made available, based on knowledge transfer from regions with advanced planning capacities and long-term experience in renewable district heating.

www.interreg-central.eu/entrain



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POLAND	Małopolskie
SLOVENIA	Vzhodna Slovenija



PROJECT BUDGET

2.45
MILLION €

ERDF FUNDING

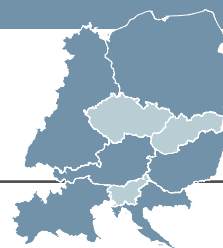
2.00
MILLION €

FINANCING SMARTER ENERGY PLANNING IN CENTRAL EUROPE



Central European regions are facing a turning point in their transition to a low carbon economy. Despite different levels of their actual shares of renewables in final energy consumption, our regions have to completely rethink their energy planning approaches. They will have to introduce more decentralized and smart systems. The PROSPECT2030 project supports regional public authorities in mobilising investment for low carbon measures. This way it contributes not only to a reduced regional footprint but also to a higher cost-effectiveness of public funds.

www.interreg-central.eu/prospect2030



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|---------|----------------------------------|
| AUSTRIA | Burgenland |
| CROATIA | Kontinentalna Hrvatska |
| GERMANY | Sachsen-Anhalt |
| HUNGARY | Közép-Magyarország |
| ITALY | Piemonte Friuli-Venezia Giulia |
| POLAND | Mazowieckie |



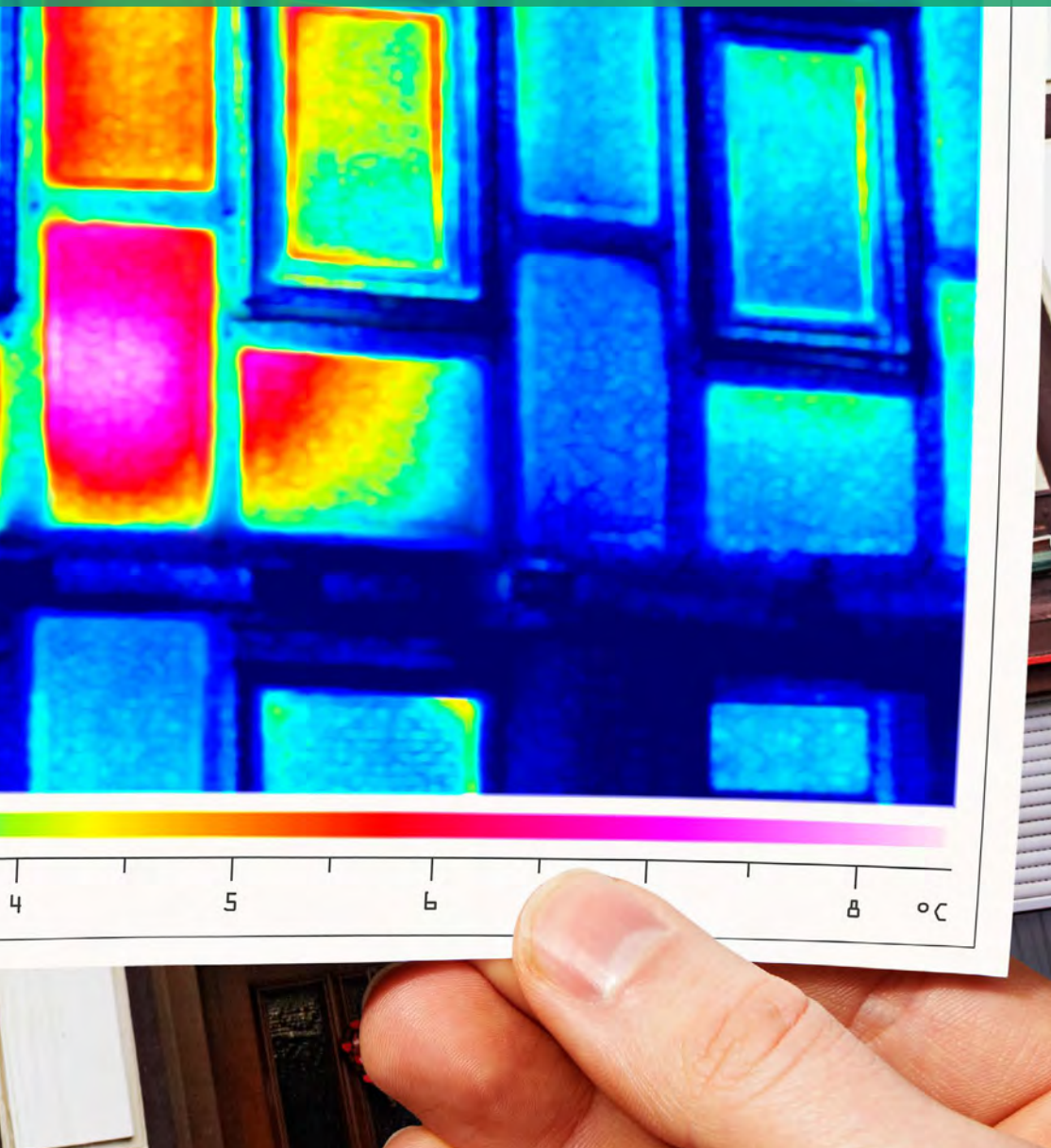
PROJECT BUDGET

1.92
MILLION €

ERDF FUNDING

1.56
MILLION €

MAKING HISTORIC CITY CENTRES MORE ENERGY EFFICIENT



Up to 80% of Europe's energy consumption is attributed to urban areas. At the same time, architectural protection constraints are often limiting historic urban centres in becoming more energy efficient. STORE4HUC aims to enrich policies that support climate change mitigation in historic city centres. The partners focus on integrating energy storage systems into urban and spatial planning policies.

www.interreg-central.eu/store4huc



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CROATIA Kontinentalna Hrvatska
GERMANY Darmstadt
ITALY Piemonte
SLOVENIA Vzhodna Slovenija



PROJECT BUDGET

1.73
MILLION €

ERDF FUNDING

1.42
MILLION €

CHANGING THE WAY WE MOVE AROUND



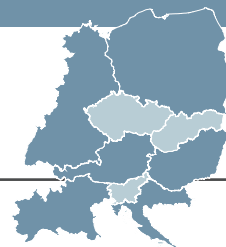
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Dynaxibility4CE



New forms of mobility like automated driving or “mobility as a service” are changing the way we move around. Their effective integration into our urban and regional transport systems calls for more dynamic and flexible planning. Dynaxibility4CE helps public transport authorities to deal with these new trends. The transnational project partnership develops strategies and tools that strengthen their planning capacities for creating low-carbon and low-pollution mobility systems in our cities and regions.

www.interreg-central.eu/dynaxibility4ce



GERMANY	Leipzig Köln Stuttgart
BELGIUM	Brussels
ITALY	Lombardia Emilia-Romagna
HUNGARY	Közép-Magyarország
POLAND	Małopolskie
AUSTRIA	Wien Steiermark
CROATIA	Kontinentalna Hrvatska



PROJECT BUDGET

1.30
MILLION €

ERDF FUNDING

1.10
MILLION €