

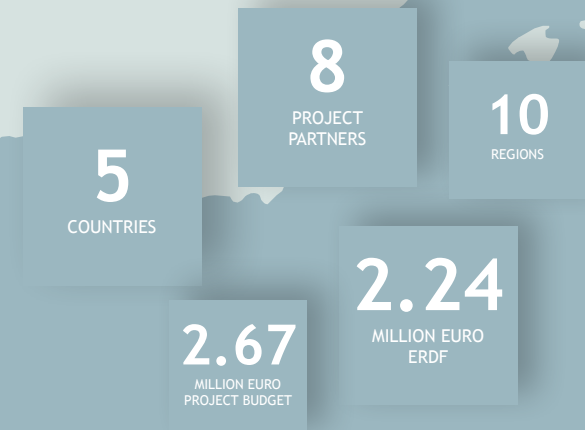
eCentral
ENERGY EFFICIENT PUBLIC BUILDINGS
IN CENTRAL EUROPE



PROMOTING nZEBs
NEARLY ZERO ENERGY
BUILDINGS

WHAT WE DO

We offer support to key stakeholders to realize benefits of the nearly zero energy building (nZEB) standard for renovation and construction of public buildings. We aim to demonstrate effectiveness of innovative technical tools and third-party investment schemes for development of deep renovation projects and strategic planning documents.



**TAKING
COOPERATION
FORWARD**

WHO WE ARE

Partners from five central European countries join their forces to develop and implement solutions for increasing energy efficiency and renewable energy usage in public buildings.

Austria

- Energy Agency of Styria

Croatia

- North-West Croatia Regional Energy Agency
- City of Sveta Nedelja

Hungary

- Energiaklub Climate Policy Institute and Applied Communications Association
- Municipality of 18th district of Budapest

Italy

- Eurac Research

Slovenia

- Energy Agency of Savinjska, Šaleška and Koroška Region
- Municipality of Velenje



WHO FUNDS US

Our project is funded by the Interreg CENTRAL EUROPE Programme that encourages cooperation on shared challenges in central Europe.

With 246 million Euro of funding from the European Regional Development Fund, the programme supports institutions to cooperate beyond borders to make central European cities and regions better places to live and work by implementing smart solutions answering to regional challenges in the fields of innovation, low-carbon economy, environment, culture and transport.

What started with Interreg IIC CADSES has evolved into today's Interreg CENTRAL EUROPE. Since 1997 transnational cooperation helped hundreds of great ideas to come true. More concretely, Central Europe projects build regional capacities by involving and coordinating relevant players from all governance levels. Within the four priority axes, they realise outputs with a focus on policy-learning, pilot actions and pilot investments.



www.interreg-central.eu

DISCOVER MORE ABOUT
eCentral

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ENERGY EFFICIENT PUBLIC BUILDINGS IN CENTRAL EUROPE

Energy Performance Building Directive requires that all new public buildings have to be nZEB from 2019 onwards. eCentral project will prove that nZEB approach, although ambitious, is an optimal and cost-effective long-term solution.

FACTS AND FIGURES



Project partners



Outputs planned until February 2021



EUR of leveraged investments in CE regions



Outputs

Project's main outputs will target regional and local public authorities who do not possess enough technical and financial know-how for developing complex energy efficiency projects and consist of:

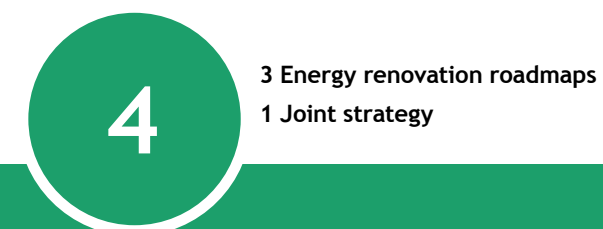
- Energy performance certificate (EPC) managing Tool for public authorities
- Step by step tool on how to turn public buildings into nZEBs
- Training programmes and project development assistance for public nZEB project developers
- Renovation roadmaps until 2030 for public buildings on local and regional levels
- Deployment and promotion of innovative financing schemes (Energy Performance Contracting, Public-private Partnership, Crowdfunding) for (re)construction of public buildings in three pilot regions
- Joint strategy for wider implementation of innovative financing schemes in Central Europe
- Launch events and nZEB Open days in pilot regions
- Established cooperation with scientific institutions and other nZEB initiatives



STRATEGIES AND ACTION PLANS

Strategies for financing and renovation of public buildings will be developed for various levels of governance

The eCentral project involves decision makers from three different levels of local governance: district, municipality and city level. Adopted **strategic documents for renovation of public buildings** (e.g. SEAPs/SECAPs) on these three levels will incorporate nZEB principles to ensure long term commitments from public decision makers. Strategies will be made using tools developed within the project and will be in line with national long-term renovation targets. Based on market assessment and concrete pilot actions that will apply innovative financing schemes a **Joint strategy for market uptake** will be developed using a bottom-up approach. The strategy will identify barriers and bottlenecks on national levels and provide concrete policy improvements for the wider Central European region.



TRAININGS

Trainings for public authorities will be performed by Regional Working Groups in three target countries (HR, HU, SLO)

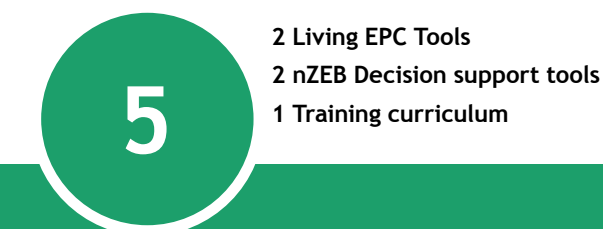
Trainings in three target regions will be based on a tailor made **nZEB curriculum** which will be jointly developed at transnational level but will reflect specialties and needs of each country and target group. Specific modules (technical and financial) will be, at first, based on ad hoc project materials with added tools and guides as the project progresses, enabling participants to develop new skills and facilitating their transition to inspired and motivated project developers. Trainings will be performed by **Regional Working Groups** in form of individual or group workshops and will focus on planning, structuring and financing of concrete nZEB projects, and use of the newly developed EPC Tool. Additional assistance for public authorities outside of consortium will be provided in form of nZEB feasibility studies.



TOOLS

Innovative technical and financial tools for conducting nZEB projects form the backbone of the mentoring programme

The **Living EPC Tool** will be designed according to requirements of public authorities in order to provide combinations of specific EE/RES measures for reaching nZEB status of public buildings. Constantly updated with energy related data and open for use to all public authorities it will present a dynamic tool that will allow them to have a better insight into state of their building stock and investment potentials. Accompanied by a **Decision support tool** it will give public investors a comprehensive guidance on how to prepare and structure nZEB projects for innovative financing schemes. Information on technical and financial aspects of nZEB, including policy making instruments will be based on first-hand knowledge gained from working with public authorities during trainings and pilot actions within the project.



PILOT ACTIONS

Innovative financing mechanisms for nZEBs will be tested in form of highly visible pilot actions in target countries

Three public buildings in **Sveta Nedelja, Velenje and Budapest** will be prepared for (re)construction in accordance with national nZEB standards in order to bring innovation and demonstrate effectiveness of latest RES/EE technologies and innovative financing schemes. Pilot actions will test feasibilities of **Public-Private Partnership, Energy Performance Contracting and Crowdfunding model** and will also analyse different technical configurations for reaching nZEB. Results of these pilot actions will provide a clearer answer on cost-optimality of nZEB and improve data quality in EPC Tool and decision support tools. **The Living Lab** will use attractive visual and monitoring materials to provide direct insight into pilot development until full commencement of (re) constructed buildings.

