Enhancing Market Readiness for nZEB Implementation

Fact Sheet

Project Information

nZEB Ready
Grant agreement ID: 101033733

Funded under
SOCIETAL CHALLENGES - Secure, clean and efficient energy

Start date
1 September 2021

End date
31 August 2024

Total cost
€ 1 098 525

EU contribution
€ 1 098 525

Coordinated by
INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE IN CONSTRUCTII URBANISM SI DEZVOLTARE TERITORIALA DURABILA URBAN-INCERC Romania

Project description

Market readiness for nearly zero-energy buildings targets

To promote improved energy performance of buildings, the EU’s Energy Performance of Buildings Directive requires all new buildings to be nearly zero-energy buildings (nZEB). However, the large-scale uptake of nZEB construction of new buildings and renovation towards nZEB levels is a challenge. Many EU Member States have not yet fully embraced nZEB due to the high costs and the skills gaps in the building sector. The EU-funded nZEB Ready project will increase market
readiness for an effective nZEB implementation. It will address the main barriers in Bulgaria, Croatia, Portugal, Poland and Romania and support skills enhancement with a mutual recognition training and certification scheme. The project will also raise awareness about nZEB benefits.

**Objective**

Although legal obligations are provided at National level by transposing the provisions of the 2010/31/EU Directive, the Nearly Zero Energy Building (nZEB) concept does not seem to be easily applicable yet in many countries. Previous research showed that defining the cost-feasible optimal integration of the technologies suitable for nZEB and the skills gaps experienced by the building sector are among the most important barriers. Current qualification courses and training schemes are still not satisfactory and underdeveloped to face the challenge of effective nZEB implementation, while the recourse to skilled professionals for renovations and new constructions of buildings is not usual practice. Despite strong political push towards nZEB and deep energy renovation, the traditionally conservative real estate market is still slow in the uptake of the new building standards and practices, especially in the residential sector.

To respond to the challenge and use the emerging opportunities, the nZEB Ready project aims to act at market level in order to stimulate the demand for energy-related skills of construction workers and specialists in the involved countries and beyond and to increase the market readiness for an effective nZEB implementation: (1) by addressing the key identified barriers of nZEB implementation in focused markets, (2) by supporting the enhancement of skills framework by new market driven mutual recognition training and certification scheme for nZEB deployment that will facilitate the necessary legislative changes and (3) through development and communication of toolboxes, tailored guidance and practical support to engage home owners and public authorities to reach the nZEB benefits.

The project will address the challenges in Bulgaria, Croatia, Portugal, Poland and Romania in order to exploit synergies related to common climatic zones, traditions and opportunities to use the benefit of a larger and easily accessible regional market.

**Fields of science**

natural sciences → earth and related environmental sciences → atmospheric sciences → climatology → climatic zones
engineering and technology → civil engineering → architecture engineering → sustainable architecture → sustainable building
social sciences → economics and business → business and management → commerce
Programme(s)

H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy
H2020-EU.3.3.7. - Market uptake of energy innovation - building on Intelligent Energy Europe
H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use

Topic(s)

LC-SC3-B4E-2-2020 - Stimulating demand for sustainable energy skills in the building sector

Call for proposal


See other projects for this call

Sub call

H2020-LC-SC3-EE-2020-2

Funding Scheme

CSA - Coordination and support action

Coordinator

INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE IN CONSTRUCTII URBANISM SI DEZVOLTARE TERITORIALA DURABILA URBAN-INCERC

Net EU contribution

€ 85 312,50

Address

Sos Pantelimon Sector 2 266
021652 București
Romania

Region

Macroregiunea Trei > București-Ilfov > București

Activity type

Research Organisations
Participants (7)

ASOCIATIA CLUSTER PENTRU PROMOVAREA CLADIRILOR CU CONSUM DE ENERGIE APROAPE EGAL CU ZERO PRO NZEB
Romania
Net EU contribution
€ 100 400,00
Address
Sos Pantelimon 266 Corp Instalatii Cam 11 Sector 2
021652 Bucuresti
Region
Macroregiunea Trei > București-Ilfov > București
Activity type
Other
Links
Contact the organisation
Participation in EU R&I programmes
H2020 collaboration network
Non-EU contribution
€ 0,00

Laboratorio Nacional de Energia e Geologia I.P.
Portugal
Net EU contribution
€ 175 750,00
Address
Rua Da Amieira
FONDATSIYA TSENTAR ZA ENERGIYNA EFEKTIVNOST - ENEFEKT
Bulgaria
Net EU contribution
€ 158,937.50
Address
Christo Smirnensky Blvd 1 Fl 3
1164 Sofia
Region
Югозападна и Южна централна България > Югозападен > София
Activity type
Research Organisations
Links
Contact the organisation
Participation in EU R&I programmes
H2020 collaboration network
Non-EU contribution
€ 0,00

CENTRUM BADAN I INNOWACJI PRO-AKADEMIA STOWARZYSZENIE
Poland
Net EU contribution
€ 166,800.00
ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)

Germany

Net EU contribution

€ 160,700,00

Address

Leopoldring 3
79098 Freiburg Im Breisgau

SME

Yes

Region

Baden-Württemberg > Freiburg > Freiburg im Breisgau, Stadtkreis

Activity type

Other

Links

Contact the organisation  
Website  
Participation in EU R&I programmes  
H2020 collaboration network

Non-EU contribution

€ 0,00
UNIVERSITATEA TEHNICA DE CONSTRUCTII BUCURESTI

Romania

Net EU contribution
€ 127 125,00

Address
Lacul Tei 122-124 Sector 2
020396 Bucuresti

Region
Macroregiunea Trei > Bucureşti-Ilfov > Bucureşti

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation
Website
Participation in EU R&I programmes
H2020 collaboration network

Non-EU contribution
€ 0,00

REGIONALNA ENERGETSKA AGENCIJA SJEVER

Croatia

Net EU contribution
€ 123 500,00

Address
Trg Dr Zarka Dolinara 1
48000 Koprivnica

Region
Hrvatska > Sjeverna Hrvatska > Koprivničko-križevačka županija

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links
Contact the organisation
Participation in EU R&I programmes
H2020 collaboration network

Non-EU contribution
€ 0,00