



BOOSTING LOW CARBON INNOVATIVE BUILDING REHABILITATION IN EUROPEAN REGIONS



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA OKOLJE IN PROSTOR

Training and Capacity Building for Transition to Low Carbon Society – in Building Sector

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Building and Civil Engineering Institute ZRMK
Slovenia, regional stakeholder from LEAG



BUILD2LC “Boosting Low Carbon Innovative Building Rehabilitation in European Regions”,
ON- LINE FINAL MEETING
Thursday, 3th December 2020



LIFE IP

CARE4CLIMATE

LIFE17 IPC/SI000007

BUILD2LC - Related to 3 Good Practices

Professionalization of the Construction Sector

1. Podkarpackie Academy Certification (Rzeszów, Poland)

- General objective was improving the professional skills of people over 45 years-old with building qualifications: architectural, construction and installation.
- Number of training courses was 26
- Facilitating acquisition of new skills and qualifications for 195 people

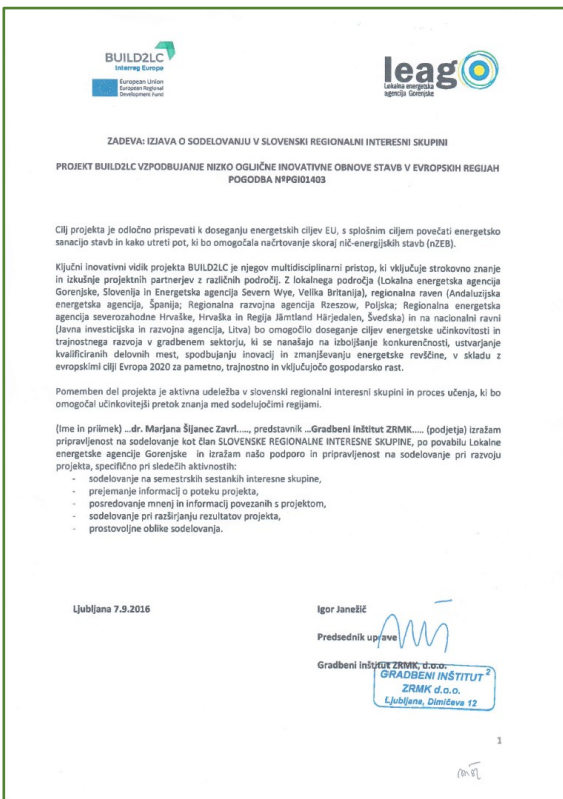
2. Croskills ~ Lifelong training plan for building workers (Zagreb, Croatia)

- This GP was focused on the first component of the Croskills project, itself being part of the larger Build Up Skills initiative. Co-funded by the Intelligent Energy Europe programme of the European Union, Croskills is aimed at life-long education of workers in the field of energy efficiency in building thus strengthening qualifications of craftsmen, employed and unemployed construction workers.

3. Link to Energy (Gloucestershire, UK)

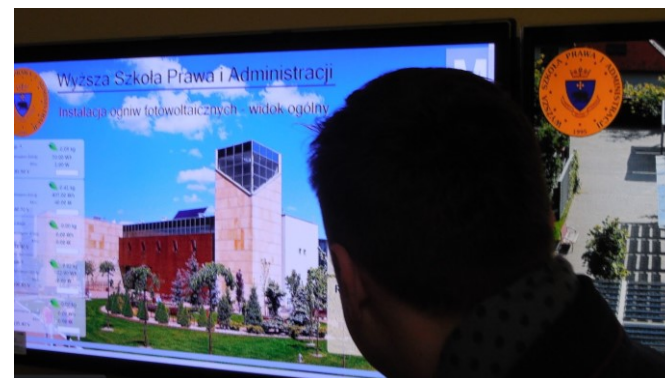
- Several funded training sessions for local installers have been held in the region.
- Training sessions on:
 - External wall insulation manufacturer training
 - Internal wall insulation manufacturer training
 - 'Winning the Contract' understanding public sector procurement for SMEs

BUILD2LC - part of stakeholder group from beginning



Slovenian stakeholder group, September 2016

Visit of Rzeszów, Poland, March 2017





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LIFE IP CARE4CLIMATE

LIFE IP CARE4CLIMATE is an integrated project that, through awareness-raising, education and training of key stakeholders, encourages the implementation of policies & measures (in OP GHG, NEEAP, NECP, LTRS)

and helps Slovenia meet its greenhouse gas emission reduction targets by 2020 and 2030.

(2019 – 2026)

www.care4climate.si



The LIFE IP CARE4CLIMATE (LIFE17 IPC/SI/000007) project is an integrated project, co-financed by the European LIFE programme, the Climate Change Fund and other partners.



REPUBLIC OF SLOVENIA
MINISTRY OF INFRASTRUCTURE



Eko sklad
Slovenski okoljski javni sklad
Eco Fund
Slovenian Environmental Public Fund



UMAN TERA



ZMK INSTITUT

d^agency



Capacity building, behavioral change,

LIFE IP
CARE4CLIMATE
project

covers six areas:

- that contribute significantly to GHG emissions and/or
- can influence the mitigation of climate change.



EU background for better skilled professionals in building sector



- **BUILD UP Skills initiative:** addressed needed skills and knowledge for workers in building sector – from on-site workers to design professionals and senior management – to meet NZEB and deep renovation targets and support decarbonization of the built environment.
- **In Pillar I Slovenia** evaluated training needs and gaps and prepared a roadmap for up-skilling of workers and building professionals; it also demonstrated the *importance of non-formal learning*, as well as the gaps in the national qualification scheme.
- Various **IEE and H2020** projects have, more recently, addressed other building professionals, also in Slovenia.
- **European Green Deal's Renovation Wave** – the availability of skilled construction workers is a key success factor for renovation wave
- **Europe's recovery plan**
>> EU Skills Agenda



On-going activities

Action C2.1 Creation of training plan for the transition to a low carbon society and the establishment of national qualification platform (NPQ)

- Consulting key stakeholders, creating (NQP) (2019-2020)
- Mapping the missing skills (2019)
- Development of curricula for trainings (2019) of “facilitators of building (energy) renovation”



Action C2.2 Implementing training of stakeholders for building renovation, decarbonization, EE, RES, green technologies... (2020-2026)

- **Target group:**
- building owners in private, public and other tertiary sector, architects, engineers, planner, control, inspectors, building contractors, energy advisors, auditors, energy performance contractors, building /facility managers, financing actors, decision makers.



Training topics



CARE
4CLIMATE



GI ZRMK – Construction and building renovation

1. Training - On deep renovation for multi-family buildings (building managers, inspectors...)
2. On air-tightness and heat recovery in ventilation, IAQ (engineers, contractors, investors, decision makers...) *
3. On EE windows and quality of installation of windows*
4. On thermal insulation of envelope (green and heritage sensitive solutions)
5. On HVAC technologies and RES in building renovation (engineers, energy consultants, owners, investors)*
6. On comprehensive renovation, combined “energy – seismic” renovation (engineers, energy consultants, energy managers...)*

*BUILD UP Skills Slovenia

REPUBLICA SLOVENIJA
MINISTRSTVO ZA INFRASTRUKTURO
PORTAL ENERGETIKA

Državne ustanove

Iskanje

PODROČJA STATISTIKA DOKUMENTI PREDPISI JAVNE OBJAVE E-POROČANJE

Domov » Napoved dogodka

Časovno obdobje

2011	2013	2014	2015	2016
2017	2018	2019	2020	

Jun

» Nazaj na arhiv

NAPOVED DOGODKA

18.11.2020

Usposabljanje za projektante o energijsko učinkovitem zunanjem stavbnem pohištvu in njegovi vgradnji

» Napovednik dogodkov

Gradbeni inštitut ZRMK v okviru integralnega projekta LIFE IP CARE4CLIMATE med 18. in 20. novembrom 2020 organizira brezplačno tridnevno usposabljanje ključnih deležnikov na temo energetske učinkovitosti zunanjega stavbnega pohištvja in njegove vgradnje v procesu celovite energetske prenove stavb. Cilj usposabljanja je izboljšati usposobljenost deležnikov in pospešiti energetske prenovne stavbe, izboljšati kakovost načrtovanja, izvedbe in upravljanja ter povečati prepoznavnost usposabljenih strokovnjakov na trgu celovite energetske prenove stavbnega fonda. Prijave na dogodek do 13. novembra 2020.

Pri izbranih essentialih razenul stavbu se načrtuje in izvaja skromno na mestu.

ZAPS I Zbornica za arhitekturo in prostor Slovenije

13. november ob 12:25 ·

Vabljeni na usposabljanje Energijsko učinkovito zunanje stavbno pohištvo in njegova vgradnja (U3-1), ki bo potekalo v sredo, 18. novembra, četrtek, 19. novembra, in petek, 20. novembra 2020, med 9.00 in 15.30 uro v e-obliki. Usposabljanje je brezplačno, pooblaščenih arhitekti, krajinski arhitekti in prostorski načrtovalci ZAPS za udeležbo pridobijo 3 kreditne točke, sklop B (Teorija in referenčna praksa).

https://gi-zrmk.si/novice/256/usposabljanje_za_arhitekto_o_energijsko_uc...

Prikaži več

SPOSABLJANJE ZA PROJEKTANTE - energijsko učinkovito zunanje stavbno pohištvo in njegova vgradnja (U3-1), ki steja pod okriljem projekta LIFE IP CARE4CLIMATE, akcija C2.2. Dogodek bo štela od srede 18. novembra do petka 20. novembra med 9.00 in 15.30 ur v obliki e-oblike.

DOCS.GOOGLE.COM

USPOSABLJANJE ZA PROJEKTANTE O ENERGIJSKO UČINKOVITIM ZUNANJEM STAVBNEM POHIŠTVU IN NJEGOVIM VGRADNJI (U3-1)

USPOSABLJANJE ZA PROJEKTANTE (U3-1)

DOGODKI

Energjsko učinkovito zunanje stavbno pohištvo in njegova vgradnja (U3-1)

18.11.2020

Implementation of 6 x 6 trainings of “Construction and building renovation”



- 3-days training (3 x 8h)
- Lectures
- Interactive part – best practice
- Site visits
- Practical examples, homework
- Final exam (online within 1 month)
- 2 x follow-up events (networking, feed-back),
- Repeated each year (6x)



Setting the standard for energy-efficient construction and renovation

12 December 2019



Promoting hands-on energy efficiency training

12 December 2019

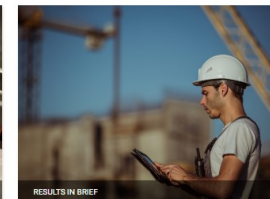


Developing energy-efficient competencies of tomorrow's building professionals

12 December 2019



New skills certification system for a BIM-savvy construction sector



BIM-trained on-site workers deliver better nearly zero-energy buildings

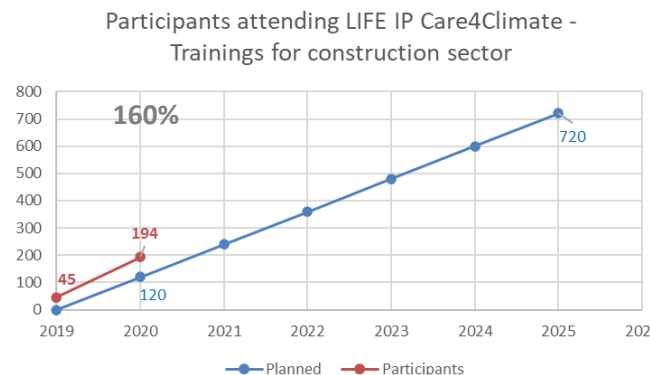


Training construction workers on energy-efficient building practices

Vir: EC; Construction skills: Equipping building professionals with new skills to achieve European energy targets

- Target:
- 720 trained persons by 2026

- Covid-19 impact?



Open issues in Slovenia (1)

Better-skilled professionals are needed:

- to **“facilitate the preparation and implementation”** of comprehensive (deep/wider) building **renovation projects** (LTRS 2050 targets) ,
- to support the **“uptake of green technologies”**, EE, RES, NZEB and high-performance buildings (decarbonization by 2050),
- to **“unlock additional financial resources”** (Cohesion fund, Eco fund, Climate protection fund...).

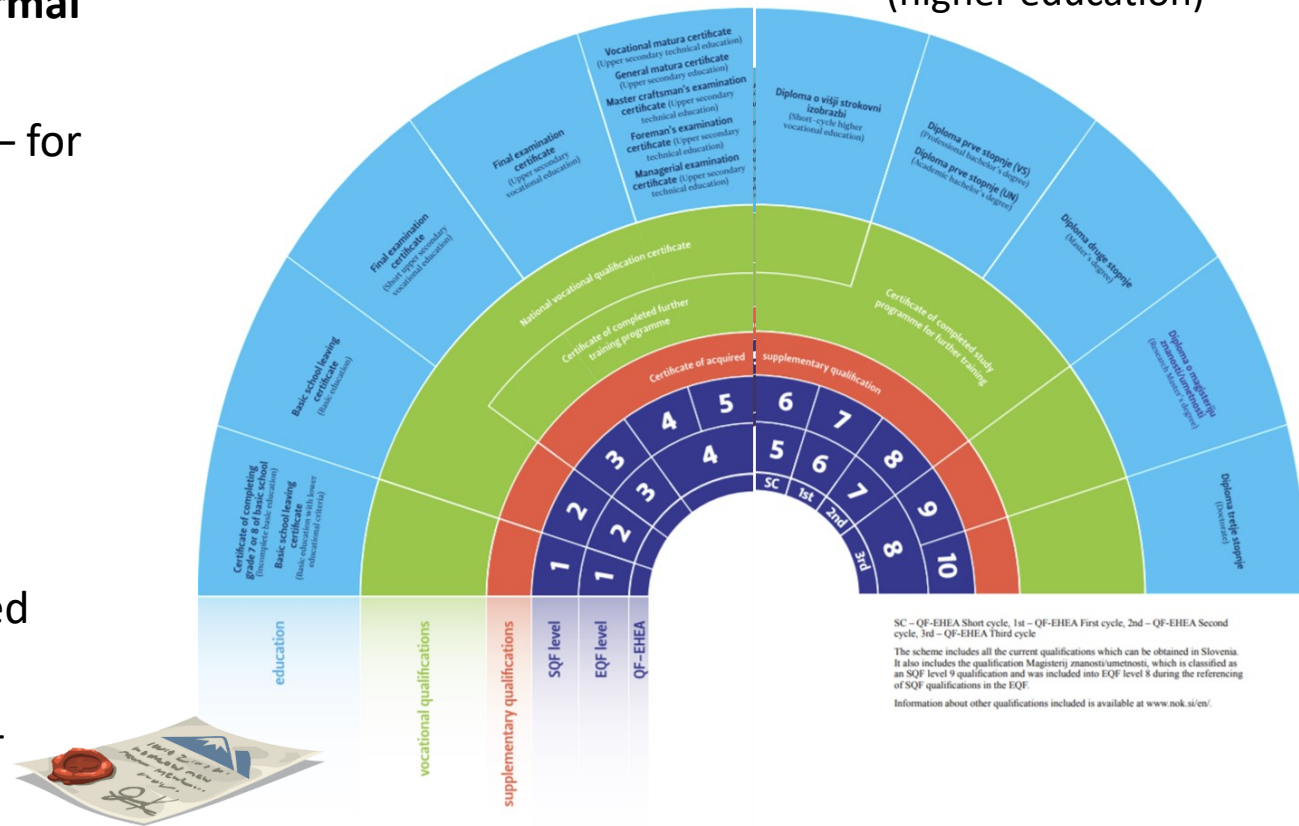


Open issues in Slovenia (2)

The challenge of **non-formal learning** is:

- **Motivation** to learn – for the employee;
Motivation - for the organization
- **QA** , accreditation of trainings....
- **Recognition and validation** of obtained knowledge-skills-competences in non-formal learning
- To develop **professional qualification (EQF)** based on the training outcomes?

Figure 1
SLOVENIAN QUALIFICATIONS FRAMEWORK (SQF)



Target group
(higher education)

Vocational qualification means a qualification obtained under NVQ procedure. These qualifications can be obtained outside formal education system

Supplementary Qualifications supplements an individual's competences at the level attained and in a specific professional field, and is tied to the needs of the labour market.

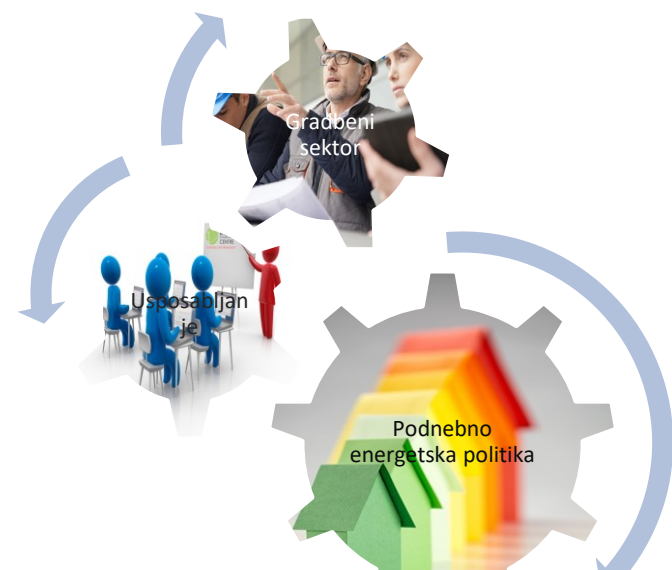
Open issues in Slovenia (3)



To **change the labour market** for renovation wave and better skilled professionals:

The goal is

- to improve **“social recognition of new skills”** on EE, RES and green technologies in building sector,
- to **“promote the acquired skills”** (via Skills Passport, Europass, Building renovation skills platform – database of skilled professionals)
- to create **“demand for better skilled professionals”** working in building renovation and decarbonization,
- to **integrate “renovation” skills in tenders in (Green Public) Procurement criteria**



Thank you!



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Partners of LIFE IP Care4Climate Action C2.2

IJS; GI ZRMK; MOP; MZI



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