



LIFE-2023-CET-BUILDSKILLS

LIFE CET Info Day, 1st June 2023



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Environment
Executive Agency

Agenda

1. Policy background & relevant initiatives
2. The LIFE-2023-CET-BUILDSKILLS topic
3. Questions and answers



1. Policy background & relevant initiatives



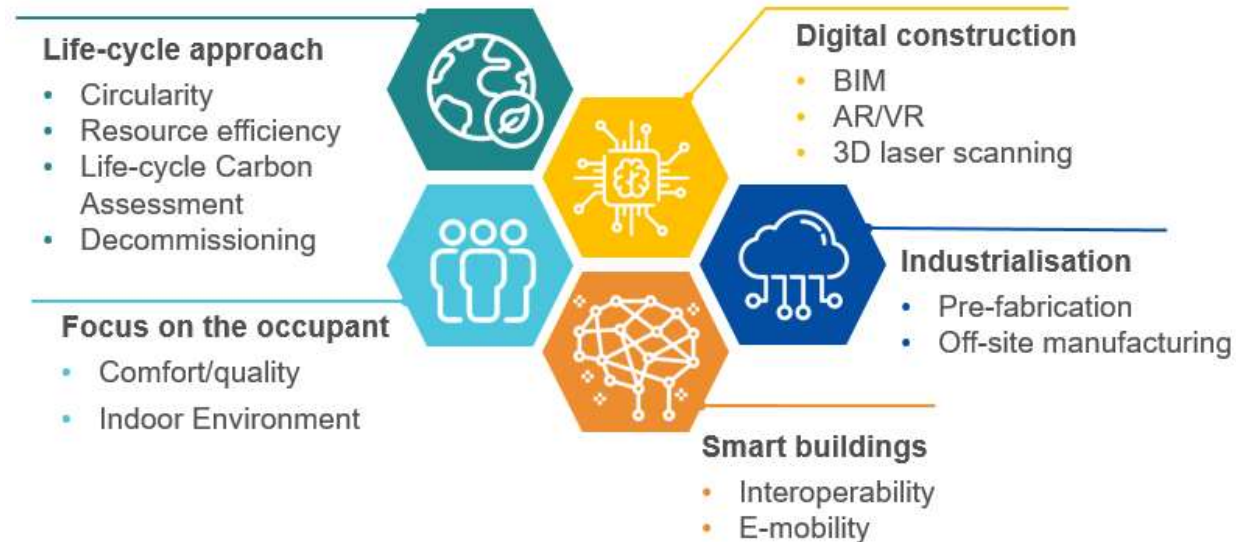
A changing landscape for building professionals

A qualified workforce is a must to turn the EPBD and the Renovation Wave into a reality, however....

- The construction and building sectors face a number of challenges:

- ✓ Demographics → shrinking talent pool
- ✓ Skills shortages & mismatches
- ✓ Lack of qualified trainers
- ✓ Lack of attractiveness of the sector
- ✓ Fragmentation of the value chain
- ✓ Little appetite and time for training
- ✓ Importance of informal economy
- ✓ Slow digitalisation...

- In a rapidly changing environment, a new and broader skills set is required from professionals:



The Pact for Skills

- Lunched by the Commission in November 2020; first flagship under the EU Skills Agenda
- Stakeholder organisations invited to join forces and take concrete action to upskill and reskill people in Europe
- For a given sector, all members of the Pact sign up to the Charter and its key principles:
 - Promoting a culture of lifelong learning for all
 - Building strong skills partnerships
 - Monitoring skills supply/demand and anticipating skills needs
 - Working against discrimination and for gender equality and equal opportunities
- **Pact for skills in construction** (EFBWW, FIEC + EBC): *“the ambition is to upskill and reskill overall at least 25% of the workforce of the construction industry in the next 5 years, to reach the target of 3 million workers.”*
- Other large-scale skills partnerships in major industrial ecosystems, including renewables
- More info: https://pact-for-skills.ec.europa.eu/index_en



The European Construction Blueprint

- 4-year long stakeholders-led project (2019-2022) funded under Erasmus+
- partnership of VET providers and companies and other stakeholders from **12 Member States: Spain, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Lithuania, Portugal, Slovenia, Poland**
- sectoral strategy for skills intelligence and labour-market relevant skills development
- improving the sector human capital basis - promoting a new generation of digitally aware multi-skilled workers with a focus on 3 key pillars:
 - digitalisation
 - energy efficiency
 - circular economy
- Consult the **results**: <https://constructionblueprint.eu/results/>



Establishing a new Strategy on Construction Skills in Europe



BUILD UP Skills: the journey since 2011



2011-2012

Initial analysis and strategy (National Platforms and Roadmaps)

2012-2013

Training + qualification (national)

2014-2018

Training + qualification (national + EU)

2019-2020

Demand-side measures (procurement, campaigns...)

2021

Updating the strategy

2022

Strategy + training interventions

90 projects funded since 2011

> 54 million Euros of EU funding support

14 European exchange meetings organised

30 National Roadmaps for upskilling developed



BUILD UP Skills: expected results

- Analysis of the national status quo + national **skills strategies**
- New or updated **qualification** frameworks
- Innovative **training toolbox**: on-site training, e-learning, blended learning, gamified apps...both for 'blue-collars' and 'white-collars' profiles
- **Training** of professionals at all levels of the European Qualification Framework; Training of trainers
- Increase **recognition and demand** for skills: certification, linking skills with procurement, campaigns towards building owners
- **Policy feedback** e.g. national long-term renovation strategies;



Consult the report [here](#)

On-going Status Quo Analyses and 2030 National Roadmaps



- Austria: [ReBUSk](#)
- Bulgaria: [BUILDUPSkillsBG](#)
- Croatia: [CRO skills RELOAD](#)
- Czech Republic + Slovakia: [DoubleDecker](#)
- France: [BUS2 FRANCE](#)
- Greece: [REGRoUP](#)
- Hungary: [ConstructSkills4LIFE](#)
- Ireland: [BUSI2030](#)
- Lithuania: [REBOOT-SKILLS-LT](#)
- The Netherlands: [BUS-NL](#)
- Poland: [BUPS Poland](#)
- Romania: [BUS4RoBOOST](#)
- Spain: [Construye 2030](#)

Q4 2022

Q2-Q3 2023

Q4 2023

Q1 2024

Selected actors work together within rebooted **national qualification platforms**



Updated National **Status Quo Analysis** delivered: Skills needs and gaps in the national market

Draft **National Roadmap** of measures to 2030

Endorsement of the roadmap action plan by key **stakeholders**



The LIFE-2023-CET-BUILDSKILLS topic



LIFE-2023-CET-BUILDSKILLS

Upskilling and reskilling interventions enabling a decarbonised building stock and energy system integration

Objective:

- Increase the number of skilled building professionals at all levels of the building design, operation and maintenance value chain

Scope:

- **Develop, test, validate and prepare the deployment** of new and/or the upgrade of existing **training and qualifications** for all types of professionals involved in the building value chain ('blue collars' and/or 'white collars' professionals), as well as for professionals active in other sectors than buildings renovation.
- Training and qualification schemes to be tailored to the **specificities of the national market(s)** targeted.

Indicative EU contribution:
EUR 1 - 1.5 million

**Proposals may be submitted
by a single applicant from a
single eligible country**



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- Focus on **Vocational Education and Training (VET)**
- **Professional profiles** addressed should be detailed in the proposal
- Proposal should address **one** of the following thematic areas:
 - 1 – Skills supporting core provisions of the Energy Performance of Buildings Directive (EPBD)
 - 2 – Skills supporting the decarbonisation of the building stock
 - 3 – Skills for small-scale renewables and energy system integration
 - 4 – Innovative on-site training methods
 - 5 – Skills for integrated home renovation services (one-stop-shops for homeowners)



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1. Skills development and deployment supporting the implementation of core provisions of the Energy Performance of Buildings Directive (EPBD), covering one or several of the following:

- skills for carrying out **building energy audits**, including assessment and advice for preparing buildings to operate at low temperature and integrate heat pumps.
- skills for **inspections** of heating, air conditioning and ventilation systems.
- skills to deliver **renovation passports**.
- skills enabling to leverage **accessibility, fire safety, and/or seismic safety** interventions for energy efficiency improvements.



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2. Skills development and deployment supporting the decarbonisation of the building stock, covering one or several of the following:

- skills for delivering building **deep renovation**, including through modular and industrialised solutions.
- skills for new and existing nearly Zero Energy Buildings (**nZEBs**) and bridging the gap towards Zero Emission Buildings (**ZEBs**).
- skills related to **whole life carbon** (via the assessment of Global Warming Potential), **circular construction** and **resource efficiency**, and leveraging the Level(s) framework.
- **digital skills** supporting greater energy performance of buildings, in particular through an enhanced use of Building Information Modelling.
- skills for upgrading the **smartness** of buildings for greater energy performance (based on the Smart Readiness Indicator), looking in particular at sensors, building controls and building management systems



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3. Skills development for small-scale renewable energy deployment and energy system integration, covering one or several of the following:

- skills to increase the workforce of trained **installers and maintenance staff**, in particular for onsite solar systems; measures focusing on the identification of skills gaps in companies along the value chains combined with targeted trainings.
- upskilling for **energy systems related digitalisation** to allow energy management in homes, buildings and energy communities, i.e. covering several buildings or larger areas and districts (to facilitate system integration via electrification of buildings and transport, linking smart appliances, smart recharging with demand response and storage etc.)



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4. Development and delivery of innovative on-site training methods (especially for on-site workers/ craftspeople) as part of renovation projects, in cooperation with product manufacturers.

Actions should focus on the skills needed to carry out deep renovation. The proposed methods should help address one of the main barriers to upskilling, i.e. the lack of time from companies and professionals to enrol in upskilling activities. The proposed training should ultimately facilitate the cooperation and understanding between different crafts and professions, and support a holistic vision of the building and of renovation works.



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5. Skills development and deployment for the implementation and effective operation of integrated home renovation services (or one-stop-shops), providing coordinated and coherent responses to the needs of building owners at each step of their renovation journey: from technical and social diagnosis, technical offer, obtaining permits, finding qualified professionals, contracting of works, structuring and provision of finance (e.g. loans), facilitating access to available subsidies or other support schemes, to the monitoring of works and quality assurance

Note:

- *For actions related to Skills development activities for renewables and waste heat-based district energy networks, please refer to topic LIFE-2023-CET-DHC.*
- *For actions related to Skills development activities for deployment of heat pumps, please refer to topic LIFE-2023-CET-HEATPUMPS.*



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Regardless of the thematic area addressed, proposals should:

- provide details on the actual **scope and content** of the training and qualification schemes to be developed/upgraded
- include activities ensuring the **recognition** of trained and qualified professionals.
- include **train-the-trainer** activities
- include a **testing and validation phase** for the new or upgraded qualification schemes developed
- include activities to develop a **strategy** ensuring that the proposed schemes will be scaled up and sustained after the end of the project



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Impacts + Indicators

Proposals should demonstrate how project results will contribute to expected impacts.

They should

Topic-specific

Activity-specific

Common indicators

1. quantify impacts using the provided **topic-specific indicators** - where relevant.
Not expected to address all listed impacts/ indicators
 2. propose additional indicators which are specific to the proposed activities
(**activity-specific**)
 3. address impacts related to **common indicators** for the LIFE-CET subprogramme.
- Impacts should be quantified for project duration + for 5 years after project end.
 - Proposals should present the starting point and underlying assumptions + establish clear links between activity and impacts.



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Impact:

The indicators for this topic include:

- Number of qualification schemes developed or upgraded and tested.
- Number of professionals with increased qualifications and the level of the European Qualification Framework (EQF).
- Number of trained professionals.
- Number of trained trainers.
- Number of requalified professionals and the level of the EQF.

Proposals should also quantify their impacts related to the following common indicators for the LIFE Clean Energy Transition subprogramme:

- Investments in sustainable energy (energy efficiency and renewables) triggered by the project (cumulative, in million Euro).
- Primary energy savings triggered by the project (in GWh/year).
- Renewable energy generation triggered by the project (in GWh/year).
- Reduction of greenhouse gases emissions (in tCO₂-eq/year).



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4. Question and Answers



Keep in touch with us

Any questions on CET call topics? Email us on:
CINEA-LIFE-CET@ec.europa.eu



https://cinea.ec.europa.eu/life_en



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Call for proposals**

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Thank you



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