



# LIFE-2024-CET-BUILDSKILLS

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Environment  
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# Relevant initiatives



# BUILD UP Skills: overview

## Skills intelligence:

*Analyse skills gaps and formulate measures to address them*

## Skills uptake:

*Measures increasing the demand for skills and skilled professionals*



## Skills development:

*Develop new or upgrade existing qualification & training schemes addressing emerging skills*

- **Launched 2011:**
  - ✓ Intelligent Energy Europe
  - ✓ Horizon 2020
  - ✓ LIFE Clean Energy transition
- **94 projects** funded as of 2023
- **> € 58 million EU** funding since 2011

- ✓ Large-Scale Partnership for the construction ecosystem
- ✓ Renewable Energy skills Large-Scale partnership
- ✓ Construction Blueprint (Erasmus+)



# BUILD UP Skills toolbox

## National skills strategies

- Qualification Platforms
- Status Quo Analyses
- Roadmaps

## Boosting recognition & demand

- Awareness campaigns
- Skills passports, registries
- Legal clauses in public procurement

## Qualification & Training schemes

- Tasks based qualifications
- Micro-credentials

## Innovative training approaches

- On-site
- E-learning
- Blended

## Pilot training of professionals/trainers



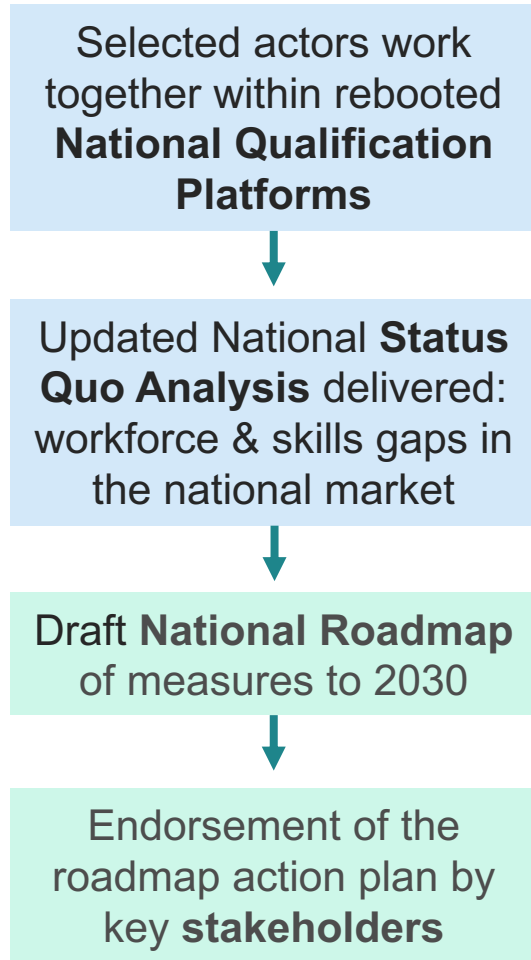
# Project results



Consult the report [here](#)



# National Skills Strategies to 2030



[Austria](#)  
[Bulgaria](#)  
[Croatia](#)  
[Czech Republic](#)  
[France](#)  
[Greece](#)  
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# The LIFE-2024-CET- BUILDSKILLS topic



# LIFE-2024-CET-BUILDSKILLS: Upskilling and reskilling interventions for building decarbonisation

## Objectives:

- Increase the number of skilled building professionals at all levels of the building design, operation and maintenance value chain (Scope A)
- Create a thriving community of practitioners actively involved in upskilling activities for building professionals, which will support the large-scale roll-out of successful approaches across Europe (Scope B)

Proposals should address only **one** of the two scopes below. The scope addressed should be clearly specified in the proposal's introduction.

**Scope A: Upskilling and reskilling interventions enabling a decarbonised building stock and energy system integration**

Indicative EU contribution: **EUR 1 - 1.5 million**

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

**Scope B: BUILD UP Skills community of practice**

Indicative EU contribution: **up to EUR 2 million**

**The Commission considers relevant that consortia gather a minimum of 3 applicants from 3 different eligible countries.**

**The Commission intends to select one single proposal under Scope B.**



# Scope A:

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



# LIFE-2024-CET-BUILDSKILLS: Scope A

## Scope:

- **Develop, test, validate and prepare the deployment of new and/or the upgrade of existing training and qualification schemes** 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 construction and buildings renovation.
- Training and qualification schemes to be tailored to the **specificities of the national market(s)** targeted.
- Proposals should demonstrate a clear **plan for deployment** after project completion.



# LIFE-2024-CET-BUILDSKILLS: Scope A

- The main focus of proposals should be on **Continuing Vocational Education and Training (or professional training) of professionals, i.e. after they have entered working life**. Proposals may also address other parts of education and training (e.g. initial education and training, higher education), provided this is justified based on needs detected in the countries targeted.
- **Professional profiles** and levels in the European Qualification Framework 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 solar energy deployment and energy system integration**

**4 – Skills for heat pump deployment**

**5 – Development and delivery of innovative on-site training methods**

**6 – Skills for integrated home renovation services (one-stop-shops for homeowners)**

# LIFE-2024-CET-BUILDSKILLS: Scope A

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, design, installation and optimisation **of heating, air conditioning and ventilation systems**, as well as hybridisation, digitalisation for smart home energy management and energy system integration.
- skills to deliver **renovation passports**.
- skills enabling to leverage **accessibility, fire safety, and/or seismic safety** interventions for energy efficiency improvements.



# LIFE-2024-CET-BUILDSKILLS: Scope A

## 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; training professionals in a cross-trade manner to allow for integrated renovation works.
- 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.

# LIFE-2024-CET-BUILDSKILLS: Scope A

## 3. Skills development for solar 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.



# LIFE-2024-CET-BUILDSKILLS: Scope A

## 4. Skills development for heat pump deployment, covering only one of the following:

- **Reskilling interventions** for professionals from other sectors with skills transferable to the heat pump value chain, including via partnerships between industry and trade associations, trade unions and public bodies to identify and attract suitable profiles.
- **Upskilling of professionals**, including to integrate heat pumps as part of building renovation projects and for integrated solutions (e.g. heat pumps and PV together, hybrid heating systems). In that context, applicants may establish or reinforce cooperation between trades and/or among national associations and other relevant stakeholders to develop, test, and disseminate widely agreed EU-wide content guidelines for specialised training programmes, and core training material replicable and adaptable to local contexts.



# LIFE-2024-CET-BUILDSKILLS: Scope A

## **5. 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.





# LIFE-2024-CET-BUILDSKILLS: Scope A

## 6. 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



# LIFE-2024-CET-BUILDSKILLS: Scope A

Regardless of the thematic area addressed, proposals should:

- be **tailored to the specificities of the national markets targeted** and demonstrate their **complementarity with and added value** compared to already existing training and qualification schemes
- provide details on the actual **scope and content** of the training and qualification schemes to be developed/upgraded, i.e. professional profiles and levels in the European Qualification Framework targeted; details about the thematic coverage; duration of the training courses; involvement of stakeholders in the validation of the schemes' content; mechanisms for the validation of acquired competences, and future deployment prospects
- include activities ensuring the recognition (e.g. certification, skills passports, skills registries etc) of trained and qualified professionals
- include **train-the-trainer** activities
- include a **testing and validation phase** for the new or upgraded qualification schemes developed (see further details in topic text)
- include activities to develop a strategy ensuring that the proposed schemes will be **scaled up and sustained/rolled-out** after the end of the project, linking to available sources of funding at national and EU level and pro-actively engaging national training providers and national qualification authorities

# LIFE-2024-CET-BUILDSKILLS: Scope A

## Impact:

Indicators for this topic:

- Number of qualification schemes developed or upgraded and tested.
- Number of trained professionals.
- Number of trained trainers.
- Number of professionals with increased qualifications or requalified professionals and the level of the European Qualification Framework (EQF).
- **Level of satisfaction of trained professionals, as documented in feedback surveys.**

Common indicators for the LIFE Clean Energy Transition subprogramme:

- Primary energy savings triggered by the project in GWh/year.
- Final 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 tCO<sub>2</sub>-eq/year).
- Investments in sustainable energy (energy efficiency and renewable energy) triggered by the project (cumulative, in million Euro).

# Scope B:

BUILD UP Skills community of practice



# LIFE-2024-CET-BUILDSKILLS: Scope B

- Build bridges both within the group of BUILD UP Skills projects (past, ongoing and new ones starting during the project), as well as with other related projects and initiatives.
- Foster **pan-European collaboration and dialogue** on cross-cutting issues, build and deploy **collective knowledge**, support and roll-out **capacity building**, increase **market recognition**, encourage convergence towards **best practices** and contribute to the development of **partnerships** between key actors.
- The work of the community is expected to be structured around several **working groups** that are expected to meet on a regular basis. Topics should include, but are not limited to:
  - *Sectorial skills needs*
  - *Skills recognition*
  - *Innovative training methods*
  - *Demand side mechanisms*
  - *National skills roll-out*
  - *Funding sources*
  - *Synergies with other relevant projects and initiatives*
- Include **capacity building, twinning and peer-to-peer** learning activities at the national and EU level, focused on the practical uptake of tried and tested approaches.
- Showcase the most relevant **best practices** to policy makers and stakeholders at all governance level.

# LIFE-2024-CET-BUILDSKILLS: Scope B

## Impact:

Indicators for this topic:

- Number, diversity and quality of stakeholders actively involved in the community. This could include (but not be limited to) education and training providers, universities, construction companies, product manufacturers, professional associations, public authorities, social partners etc.
- Number, nature and quality of the planned collective outputs.
- Number and nature of national and EU capacity building, twinning and peer-to-peer learning activities put in place.
- Number, nature and target audience of communication materials.

Indicators for the LIFE Clean Energy Transition subprogramme:

- Primary energy savings triggered by the project in GWh/year.
- Final 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 tCO<sub>2</sub>-eq/year).
- Investments in sustainable energy (energy efficiency and renewable energy) triggered by the project (cumulative, in million Euro).

# Q&A session

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# Thank you



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