



Upskilling the building value chain to achieve European energy targets

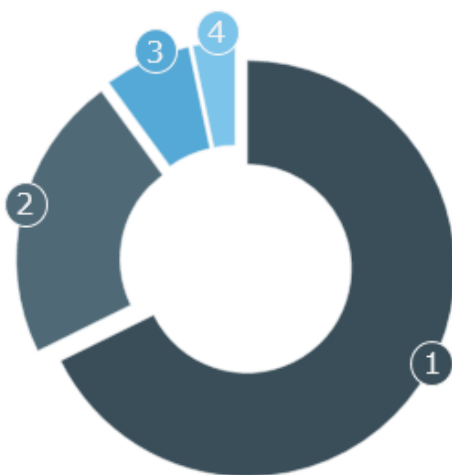
Amandine DE COSTER-LACOURT- Project Adviser
European Agency for Small and Medium-sized Enterprises (EASME)

*SHERPA project final conference – Integrated Strategies for the Energy Renovation of Public Buildings in
the Mediterranean*

European Committee of the Regions, 22 January 2020, Brussels

EASME role within the European Commission

- Manage EU programmes: total budget of € 10.4 billion (2014-2020)
- Feed project outcomes into EU policymaking



- 1 Horizon 2020 - € 7 billion
- 2 LIFE – € 2.3 billion
- 3 COSME - € 0.7 billion
- 4 EMFF - €0.34 billion



Latest call results

H2020 Energy Efficiency 2019 Call Results



Public Authorities & Policy Support

8 projects
€ 13 m



Innovative Financing

11 projects
€ 16 m



Consumers & Services

10 projects
€ 24 m



Industry

5 projects
€ 10 m



Buildings

23 projects
€ 49 m



BUILD UP Skills in numbers

- **2** programmes: Intelligent Energy Europe + Horizon 2020
- **40** million euros EU funding since 2011
- **3** main focus area :
 - ✓ Skills for deep renovation of buildings & nearly-zero energy buildings
 - ✓ Digital skills supporting the energy transition of the building stock
 - ✓ Measures increasing demand for skills and skilled professionals
- **3** main target groups :
 - ✓ Building professionals
 - ✓ Public authorities (local/regional/national)
 - ✓ Building owners/tenants
- **30** countries involved (EU28 + Norway + North Macedonia)
- **59** projects finalised + **9** projects ongoing

Phase 1: skills gaps identification and roadmaps (calls 2011 & 2012)

National Qualification Platform

Gathering key stakeholders from the energy, education/training and building sectors: public authorities, private actors, academia...

Status Quo Analysis

Mapping existing workforce

Assessing future needs

Identifying gaps and barriers

National Roadmap

Listing measures to 2020

Endorsement by stakeholders

Phase 1: results & lessons learned

- **30** stakeholder platforms; status quo analysis; national roadmaps → <https://www.buildup.eu/en/skills/bus-projects>
- Slight shortage of building workers by 2020 in most European countries
- Need for training existing workforce much stronger than the need for additional workers
- More than **3 million** workers to be up-skilled on energy efficiency/ renewable energy sources by 2020 - importance of transferable and cross-trade knowledge and skills
- About **1800** people were directly involved in the initiative - **84%** of the people surveyed found the initiative very relevant
- First time that stakeholders from the education, energy and construction sectors were meeting at such scale
- Provided a large and unique skills gap analysis
- **National Roadmaps** of high quality, with concrete suggestions - use of BUILD UP Skills findings in other national initiatives
- Stakeholders **endorsement** of the roadmaps was a key achievement

Phase 2: from strategy to action (calls 2012, 2013, 2014)

- Projects implemented nationally, based on Phase 1 Roadmaps
- Developing new and/or upgrading existing qualifications for on-site workers/craftspeople
- Qualification & training schemes
- Training of trainers
- Recognition of skilled professionals: certification, labelling, databases of skilled professionals, professional cards, etc

Phase 2: results & lessons learned

- **8.570** people trained - **805** training courses developed - **27.726** hours taught
- Targeted skills: **Building fabric ; Building services ; Energy; Building management**

#1: Training courses offered should fill a gap in the market and be mostly **practical**

#2: Training should be **flexible** to cater for the different needs of workers

#3: **Stakeholder involvement** is key to the success of the training schemes developed

#4: Training development and implementation activities need to be carefully **planned**

#5: **Recognition (visibility)** is key to stimulate demand for training/trained people

Phase 3: upscaling under Horizon 2020 (2014-2020)

- Projects funded under Horizon 2020 Societal Challenge 3
- Mostly **multi-country** projects
- Addressing **all professionals** of the building value chain (also architects, engineers, building managers etc)
- Emphasis on digital related skills (May 2019 [workshop](#))
- Not only supply of skills – also measures to boost **demand** for skilled professionals
- Objective: train and qualify > 25 000 professionals in Europe

Phase 3: results



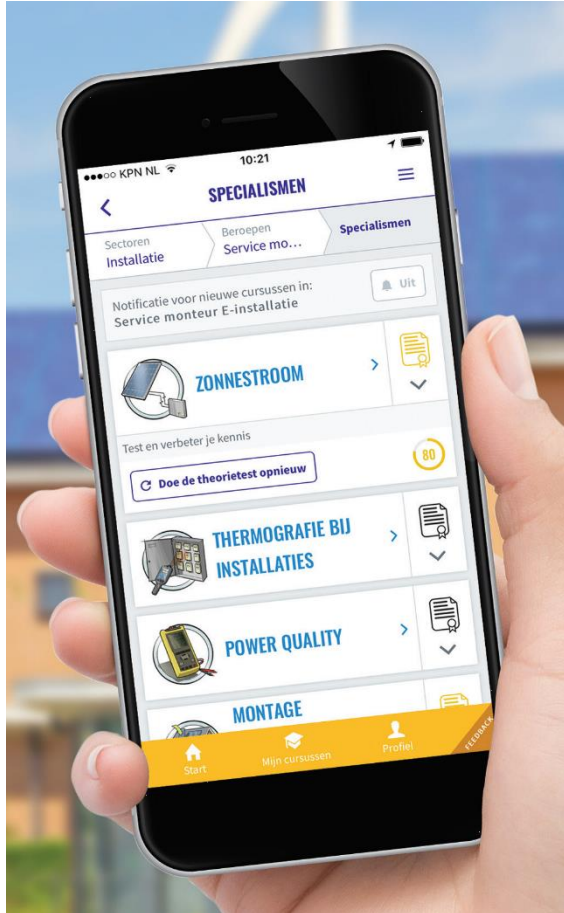
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Partners in **Italy, Spain**, Slovakia, Lithuania, Netherlands, Estonia

Guidance for public authorities on how to implement BIM requirements in building projects (e.g. tenders)

<http://www.net-ubiep.eu/>

Phase 3: results



The **BUILD UP Skills Advisor App**: developed through a series of projects: [BUStoB](#); [PROF/TRAC](#); [BIMplement](#) ; [NEWCOM](#); [TripleAReno](#)

- job-specific advice and short upskilling opportunities
- e-learning modules
- NZEB skills
- BIM for ventilation and air-tightness
- building inspectors
- self-inspection protocols

Download the app: [AppStore](#); [Google Play](#)

Phase 3: results



Building Knowledge Hubs in Bulgaria, Romania, Czech Republic, Turkey, Ukraine

<http://www.train-to-nzeb.com/>

Phase 3: results



Download the updated version
[here](#)

European exchange meetings

- **11 meetings** since 2011
- Exchanging on common **challenges**, sharing **best practices**
- **Peer Review Teams** (3 countries)
- **Technical Working Groups** on specific issues:



Next European exchange meeting



 **BUILD UP** The European Portal For Energy Efficiency In Buildings

Registration to open soon: <https://www.buildup.eu/>

Next funding opportunities under Horizon 2020 Work Programme – Energy Efficiency Call 2020



- **117.5** million EUR budget available
- Two deadlines:
15 January (9 topics) & **10 September 2020 (9 topics)**

Among topics open for the 10 September deadline:

- *Stimulating demand for sustainable energy skills in the building sector (B4E-2-2020) (CSA)*
- *Supporting public authorities in driving the energy transition (EC-5-2020) (CSA)*

More information: [H2020 Work Programme](#) ; Call 2020 Info Day [presentations](#)

ManagEnergy service contract to train local energy agencies

Master Classes

- 8 high-quality trainings in Project development, Involvement of investors, Financial instruments
- 90 people from 22 countries trained (Jan 2019)
- Next Master Class 3-5 Feb 2020 – [registrations](#)

Expert Missions

- 21 coaching workshops: tailor-made support to boost investments and involve cities and regions
- 16 delivered in 14 countries (Jan 2019)

Website and events

- New Managenergy website
- Networking events
- [Managenergy Talks](#) (TED speakers)

Stay tuned: Buildup.eu

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English



BUILD UP

The European Portal For Energy Efficiency In Buildings

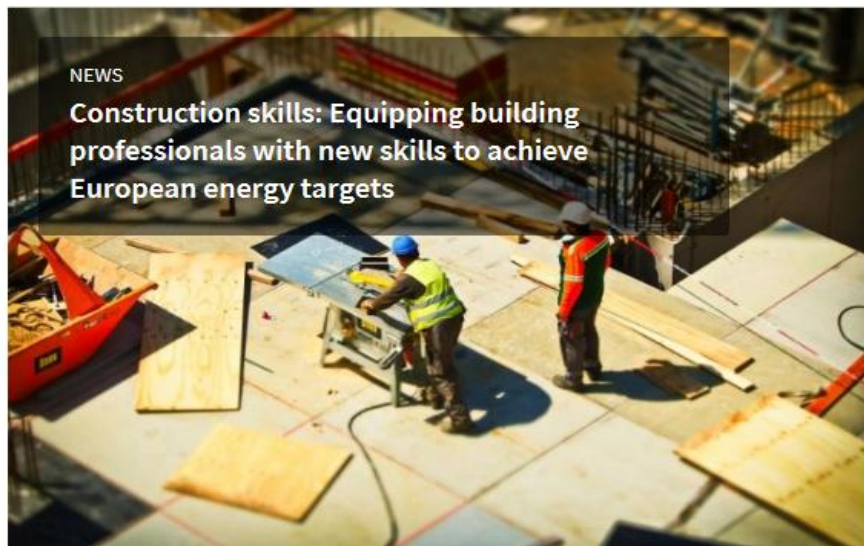
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SEARCH



NEWS

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



BIM: Enabling Energy Management and Control for the Construction Sector

5 European projects with its innovative ICT solutions for energy savings in the spotlight

Next generation buildings: IoT and smart energy efficiency

Guidance and examples for the EPB standards' flexibility

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

Tweets by @EU_BUILDUP

**BU****BUILD UP**
@EU_BUILDUP

RESTORE Industry workshop is back! ☀️
The 4th Working Group will gather this week at the #Klimahouse 2020

Learn more about this workshop & follow our coverage on 23 Jan 📅
bit.ly/2ullMac#CostRestore



1h

[Embed](#)[View on Twitter](#)

This month our topics is "Digitalisation of the Building and Construction sector"

[Click here to know more](#)



Thank you!

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