BuildSkills academy

CoVE BuildSkills Academy - Revolutionizing the Green and Digital Skills in Construction

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

Maria Nakova
Project Leader
CoVE BuildSkills Academy

The Centres of Vocational Excellence (CoVEs)

What is a Centre of Vocational Excellence (CoVE)?

A transnational collaborative network of VET providers, employers, research institutions, public authorities and other stakeholders working together to co-create strong skills ecosystems.

CoVEs aim to:

- Provide high-quality, flexible, learner-centred VET leading to sustainable careers
- Support regional development, innovation and smart specialization
- Promote social inclusion and lifelong learning
- Respond to green and digital transitions of the labour market
- Build and strengthen partnerships across education and industry

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The CoVE Network

Erasmus+ support

2019

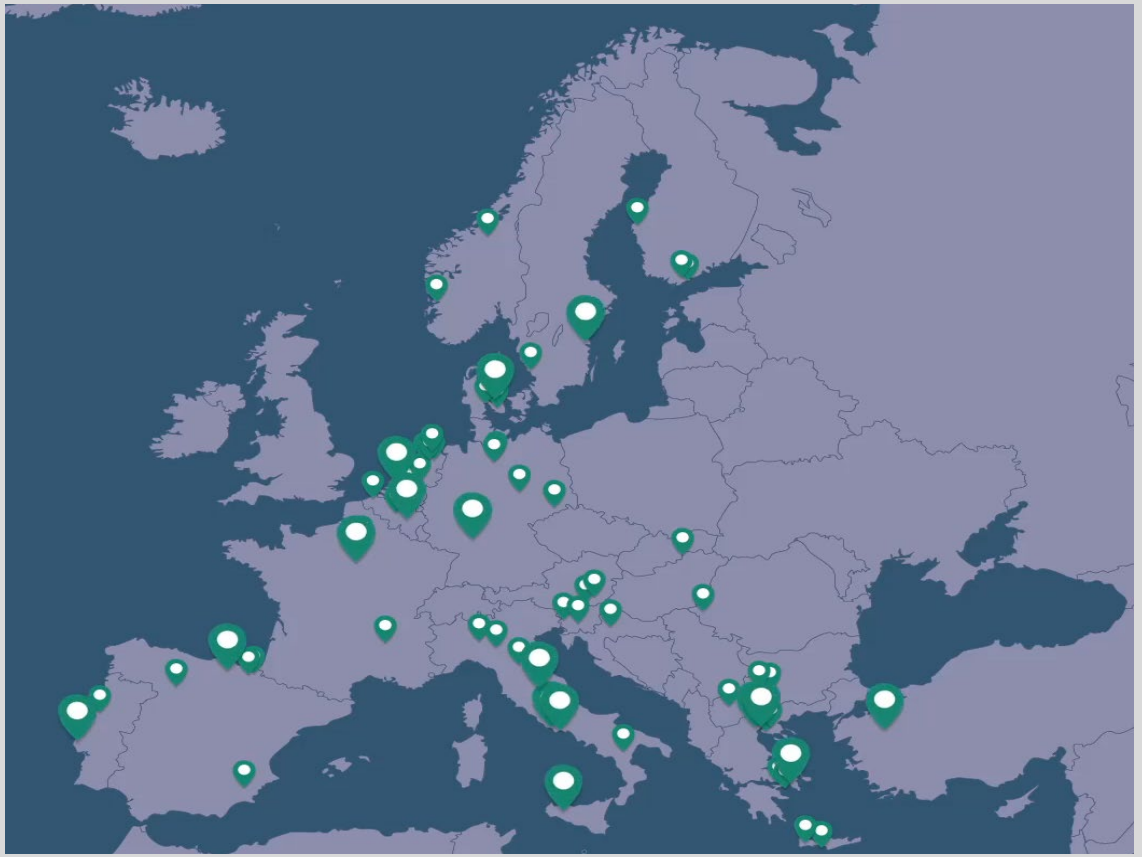
5 CoVEs

2026

91 CoVEs

2027

around 100 CoVEs



Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

Strategic Impact of the CoVEs

CoVEs contribute to:

- ✓ Better alignment between education and labour market
- ✓ Increased attractiveness of VET
- ✓ Regional innovation and economic development
- ✓ Inclusion and lifelong learning pathways

Future Outlook

- Continued expansion of the CoVE network across Europe and beyond
- Stronger integration with digital and green transitions
- Enhanced tools for self-assessment, quality assurance and recognition
- Deepening partnerships with industry and public authorities

Co-funded by
the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

From individual organisations to skills ecosystems

A strong skills ecosystem connects:

- VET providers, educational and training organisations
- Universities and research organisations
- Companies and sectoral organisations

(chambers, associations, etc.)

- Public authorities and policy makers
- Social partners and professional bodies
- European networks, projects and initiatives

The challenge is not creating more networks – it is making existing networks work together

The CoVE approach

Bringing these actors together to jointly respond to evolving skills needs, innovation and ecosystem development.

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The BuildSkills Academy CoVE

17 partners from:

- 7 European countries
- 2 associated countries
- 1 non-associated country

6 pilot ecosystems

established between:

- VET providers and
- Industry representatives



Co-funded by the European Union

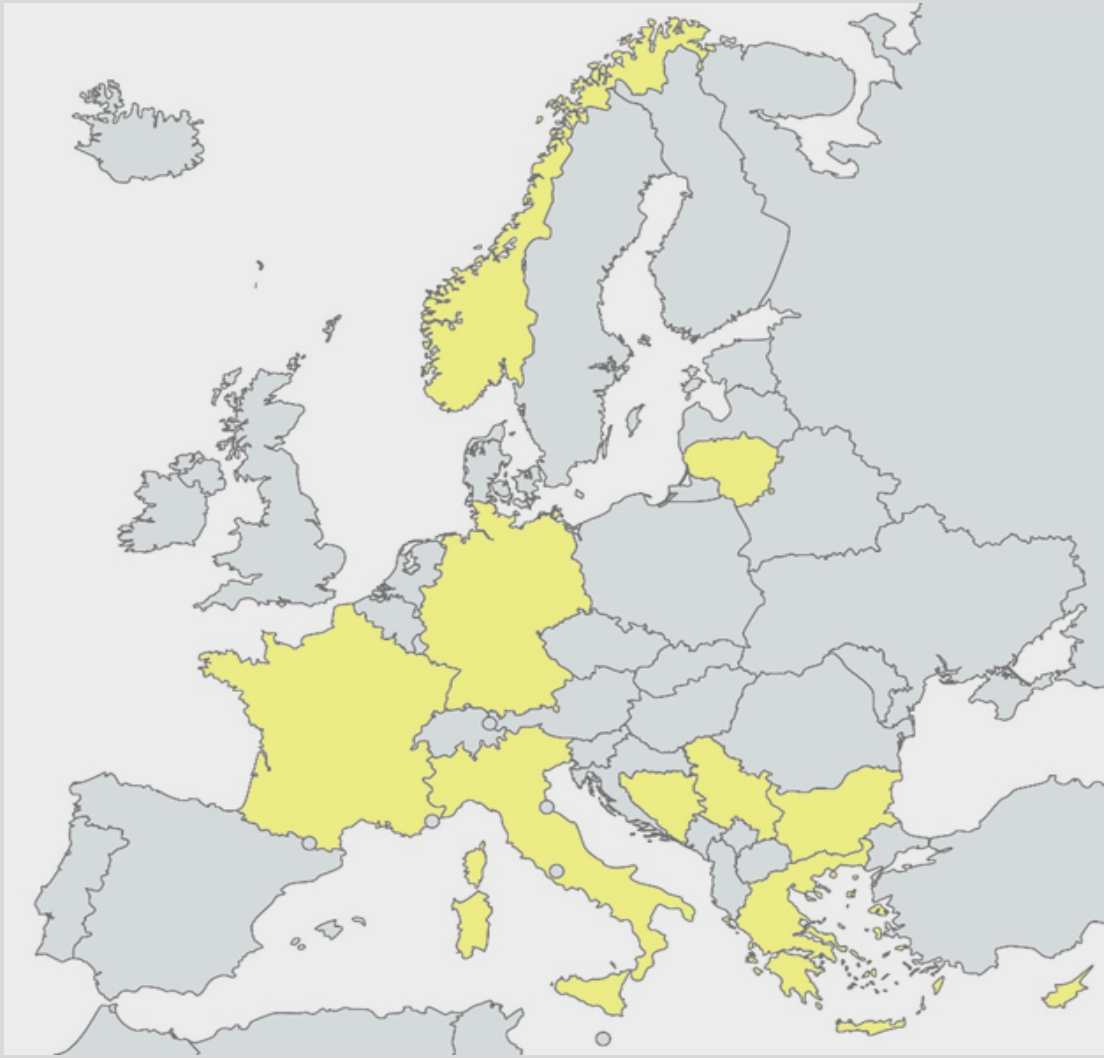
Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The BuildSkills Academy CoVE

BuildSkills Academy elaborates strong and enduring **relationships at both local and transnational level between VET community and businesses** rolling out mutual benefits through:

- **revolutionizing the construction sector** by addressing the challenges posed by the twin transition
- **identifying and integrating missing green and digital skills into VET courses**
- **creating a pan-European framework for certification of transitional skills and competencies**, focusing on the twin transition in the construction sector



Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

Key project outcomes

We are stepping on:

- **a list of skills and competences for different occupations and EQF levels** created based on the taxonomy for green and digital skills of ESCO
- **a quality assurance process for enriched VET courses** developed based on the EQAVET framework

with the aim to:

- **update and adapt VET services** offered to the emerging new needs of green and digital skills for future-ready construction workforce through

the BuildEnrichedSkills Methodology and our Digital Platform

- **offer trainings related to the real needs of the labor market** when applying the "lifelong learning" approach through reskilling and upskilling through

our 12 pilot courses - 6 enriched and 6 new

- **provide a Certification framework** representing an umbrella certification for recognizing and validating learner's transitional skills and competences provided by VET centers on EU level

- **bridge certification gaps** between Member States through

our ISO-based Certification schemes for curricula, training materials and individuals according to ISO 17024

and thus responding to the challenges of the twin transition for the construction sector

Stakeholder engagement for co-creation and exploitation of project results

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The BuildEnrichedSkills Methodology (BESM)

Objectives

- Providing a practical toolkit to enrich/update VET courses content with green and digital skills needed by the construction sector
- Introducing the principle of "lifelong learning" through upskilling and reskilling opportunities
- Responding to the challenges of the twin transition for the construction sector

Target groups

- VET centers offering courses for professionals in the construction sector
- Employers and employees in the sector

https://platform.buildskillsacademy.com/

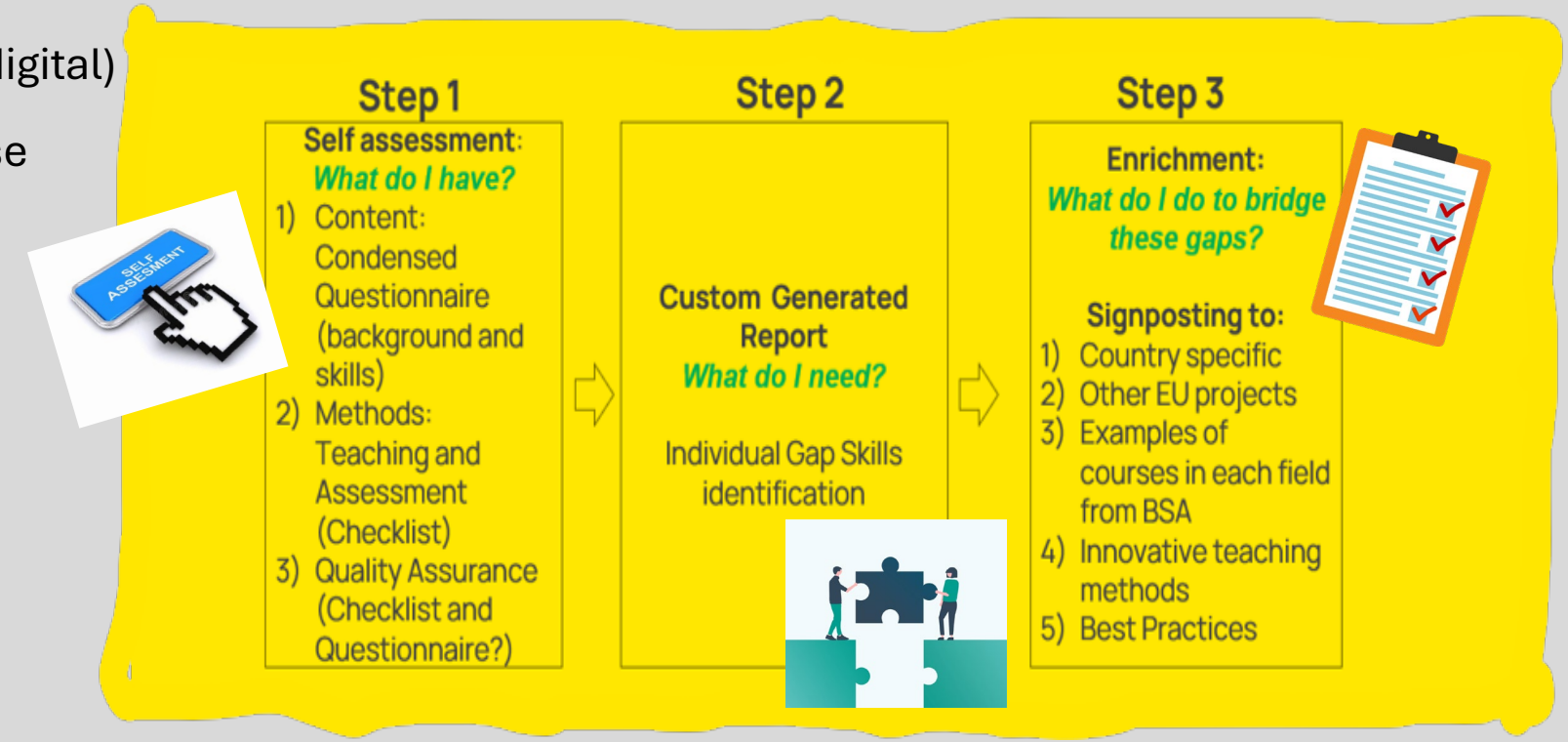
Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The Digital Platform

- A self-assessment tool allowing VET providers to implement the BESM
- Guiding VET providers through a step-by-step process to enrich their courses or develop new ones
- Assisting VET providers in identifying skills gaps (green & digital)
- Provision of guidelines for course enrichment incl. Teaching and Assessment methods; Quality Assurance Procedures



Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The BuildSkills Academy Courses

5 thematic areas	Occupations	Courses
Circular Economy Practices	Circular Economy and Waste Management specialist – EQF 6 Waste Management technician – EQF 4	•Circular Economy and Waste Management •Circular waste management
Occupant Health and Well-being	Health and Safety Risk and Reliability Practitioner – EQF 6 Construction Safety Technician – EQF 3	•Risk and Reliability in Health and Safety •Work Safety in Construction
Sustainable Materials and Sourcing	Digitalization expert in Sustainability - EQF 7 Digitization Technician - EQF 4	•Digitalization and Sustainable Development: AI and ML Tools for Sustainability •BIM. Digital Tools in Construction.
Climate Resilience and Adaptation	Bio-inspired Design Specialist – EQF 6 Construction technician – EQF 4	•Bio-inspired innovation and design for sustainable engineering solutions •Construction Technology
Net-Zero Carbon Emissions	Sustainable urban designer – EQF 5 Sustainable Urban Environment Designer – EQF 5 Energy Management Technician – EQF 4 Installer of energy-efficient technical building systems – EQF 4	•Smart, Resilient & Circular Cities •Resilient Buildings and Cities. Build Livable Urban Environment. (BLUE) •Energy management of buildings •Energy efficient installations in Buildings

The BSA Pathway – From Skills Needs to Skills Recognition

The BSA approach connects labour-market needs, VET provision, assessment and recognition.



Emerging Skills
Labour-market & sector needs

Competences
Definition of knowledge, skills & competences

VET Provision
Curricula & training materials

Assessment
Evidence of competence

Certification
Formal certification decision

Recognition
Skills become visible & trusted

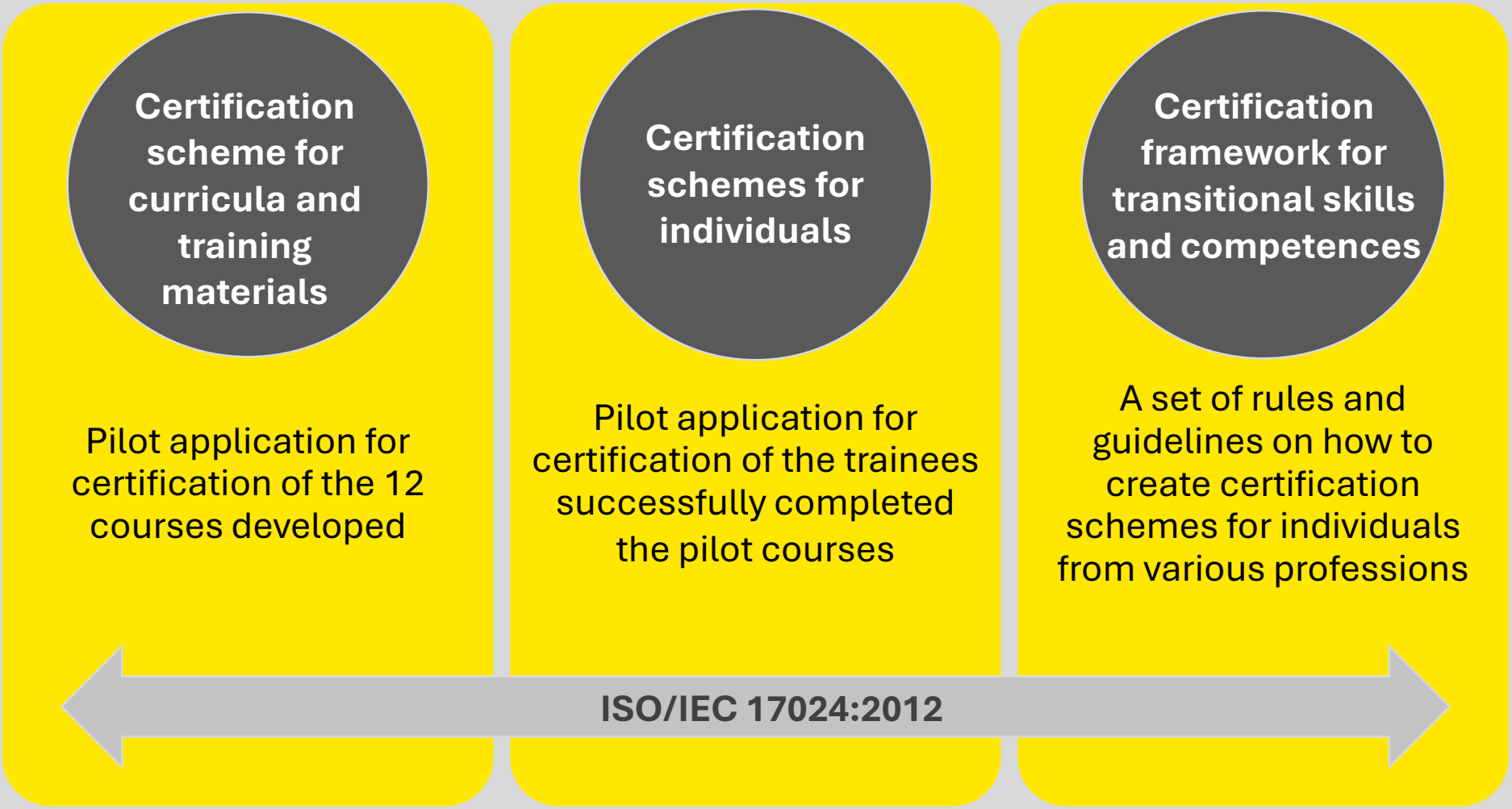
BuildSkills Academy connects VET, emerging skills and certification.

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

The BuildSkills Academy Certification System



Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

BuildSkills Academy - Three Masterclasses, One Transformation Journey

18–19 June | Brussels

Masterclass #1:
The Pact for Skills and what new skills will drive the twin transition?

#EU GREEN WEEK
Partner Event



17–18 September | Berlin

Masterclass #2:
How sustainable construction will impact the sector in the future?



8–9 October | Bologna

Masterclass #3:
How to stimulate the interest of young people for taking career in construction?



Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

BuildSkills Academy - Three Masterclasses, One Transformation Journey

POLICY & SKILLS ECOSYSTEM

- How can the skills ecosystem respond to the rapidly changing construction sector?

- *Creation of enabling skills framework*
- *Implementation of innovative short-term pathways on skills acquisition and recognition*

SECTOR & TECHNOLOGY

- How is construction itself changing and what does this mean for occupations and skills?

- *Construction becomes more sustainable and digitalized*
- *Industry and VET providers should cooperate on new skills and jobs anticipation*

PEOPLE & TALENT

- How do we attract the people needed to deliver this transformation?

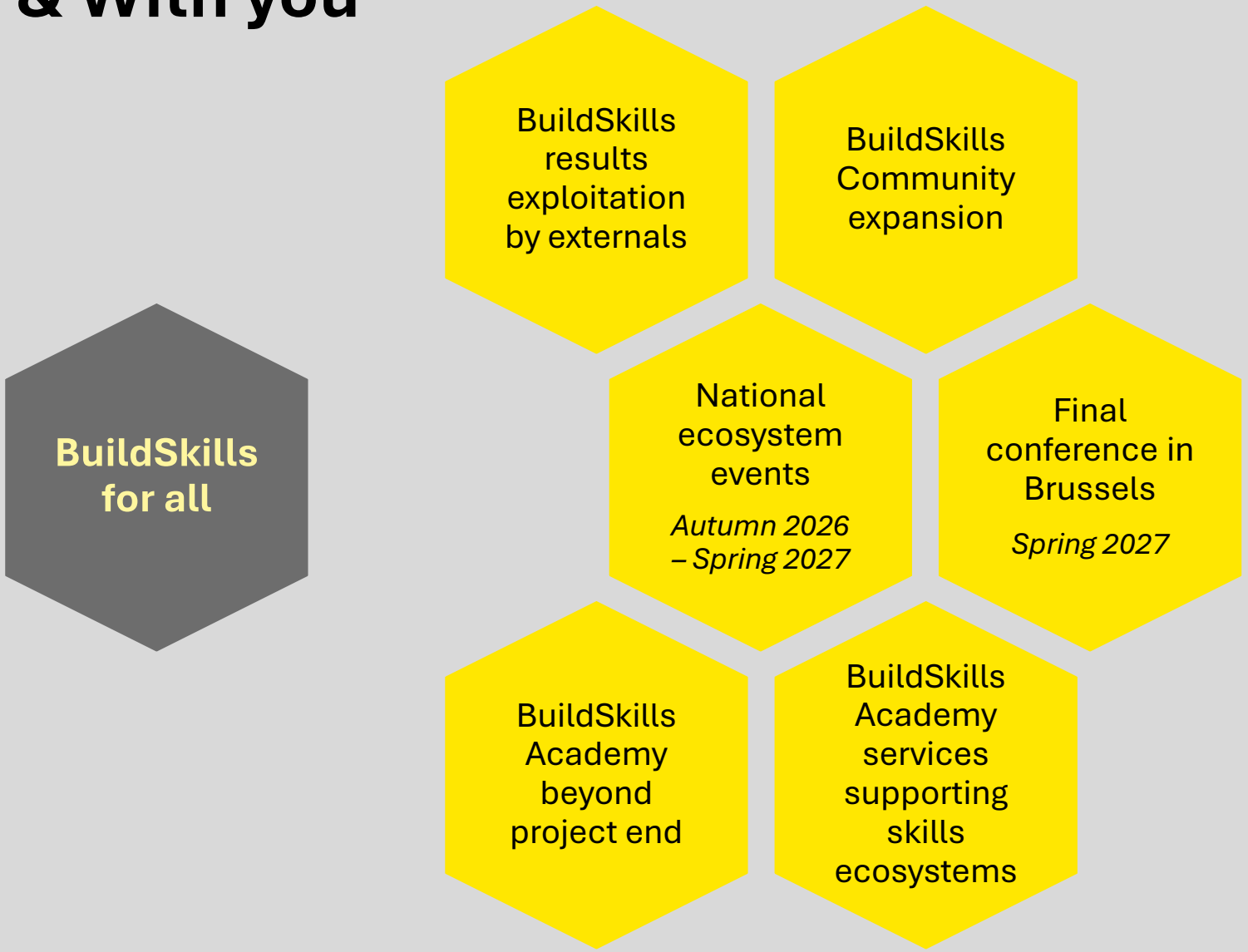
- *Supporting VET providers to modernize training content and delivery*
- *Providing up-skilling and re-skilling opportunities to professionals*

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

What's next in BuildSkills Academy?
For you & With you



Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

BuildSkills academy

BuildSkills
academy

Contacts

www.buildskillsacademy.com

BuildSkills Academy
on Facebook

BuildSkills Academy
on LinkedIn

m.nakova@cleantech.bg



Co-funded by
the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.