

BUILD UP Skills QualiShell

BUILD UP Skills QualiShell



EUSEW Policy Conference – Brussels, 17 June 2015

BUILD UP Skills: Ensuring a qualified building workforce to reach the EU energy and climate targets

Partnership building to ensure large-scale long-lasting qualification



Horia Petran
Project Coordinator



National Qualification Scheme for Construction Workers to Ensure High Performance Building Envelopes
Project duration: October 2013 – July 2015



Co-funded by the Intelligent Energy Europe Programme of the European Union



Context – IEE BUILD UP Skills

BUILD UP Skills QualiShell



INTELLIGENT ENERGY EUROPE

Main elements: multi-stakeholders platforms

- Need analysis for workers and skills, EE & RES
- Endorsed national roadmap to 2020+
- New / Upgraded qualification schemes

Pillar I

Pillar II

on-site workforce

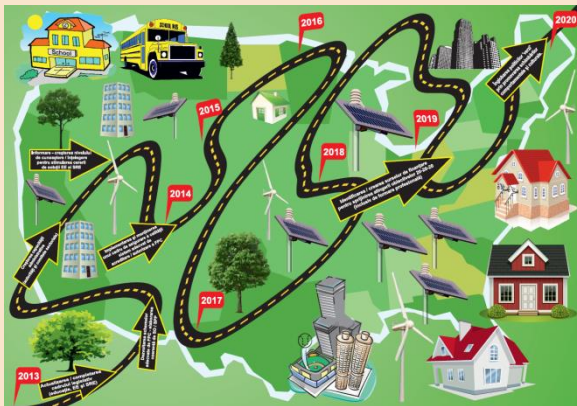
further **education**

all **building** types

EU
Exchange
activities

BUILD UP Skills România

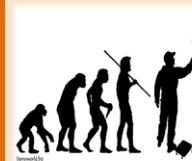
2011 ← **ROBUST** 2020 → 2013



Qualification Platform &
Roadmap EE, RES → 2020

Pillar I

Needs:



nZEB
ready

Elaboration and implementation of
2 national **qualification schemes**:

✓ installers of building envelope
thermal insulation systems

✓ installers of high efficiency thermal
insulating windows systems

Ensuring high quality installation of very
efficient building envelope components

Embedding appropriate knowledge and skills
in the relevant occupations (EE+RES)

Fostering the evolution of national
qualification system and in the **vision** of key
stakeholders in the construction sector

Pillar II

Train to nZEB – Building Knowledge Hubs (H2020)

Horia Petran, BUS QualiShell Coordinator

BUILD UP Skills – EUSEW Policy Conference – Brussels, 17 June 2015



Team, objectives and validation

BUILD UP Skills QualiShell



URBAN
INCD
INCERC



Centrul Național de Dezvoltare a
Învățământului Profesional și Tehnic : CNDIPT



National Qualification Platform:

- ~600 contacts,
- ~50 Training suppliers



NCC

MDRAP

ME-DE

MMFPS

ANOFM

ARACO

OAR

CCIB

UTCB

FGS

BPIE

IDRU

APFFP

AREC

ANCER

APMCR

Liga
HABITAT

National Qualification Platform (CATALYST)

National Consultation Committee

Occupational analysis → detailed definition of competencies

+Procedural framework

Develop + validate 2 national QS:

- Installers of opaque insulation,
- Installers of insulating windows.

Flexible mechanisms → implementation of QS

Promotion partnerships EDU –IND

Raise awareness + effective communication process (training system & construction sector)

- Use **existing networks** (consortium – Contr., Prod., Edu.)
 - **Framework** for vocational training (Platform, Labour off., Assoc. VET-c, Ev.c-c, T.sup etc.):
 - To ensure scheme flexibility,
 - To support long term previsions and re-qualification paths
 - **Register** for qualified persons (Qualif. Auth.–PICAS–Labour)
 - Tools for skills **evaluation** (informal & non-formal env.)
 - **Partnerships for education** (training system – constructions)
- | | |
|--|---|
| <ul style="list-style-type: none">• Recognition<ul style="list-style-type: none">– Construction market– National Qualification System– Public funding for EPB upgrade | <ul style="list-style-type: none">• Funding<ul style="list-style-type: none">– Dimens. & share resources– Public / private fund → Training– European Social Fund |
|--|---|

Partnerships for education

BUILD UP Skills QualiShell



Voluntary agreement for qualification (based on 'natural drivers')

→ **large scale + long lasting**

- Professional / technology schools
- Qualification / Training providers

- **Needs:** consumables, equipment, locations for practice (on-site)
- **Offer:** training content, locations for theory, trainers

- **Common goal(s)**
- **Shared resources**



Local partnerships

between **Education System** and **Construction Industry**

Local auth.

- **Workforce** in construction sector (employees)
- **Clients / investors** (final beneficiary)

Contractors
(employers / construction companies)

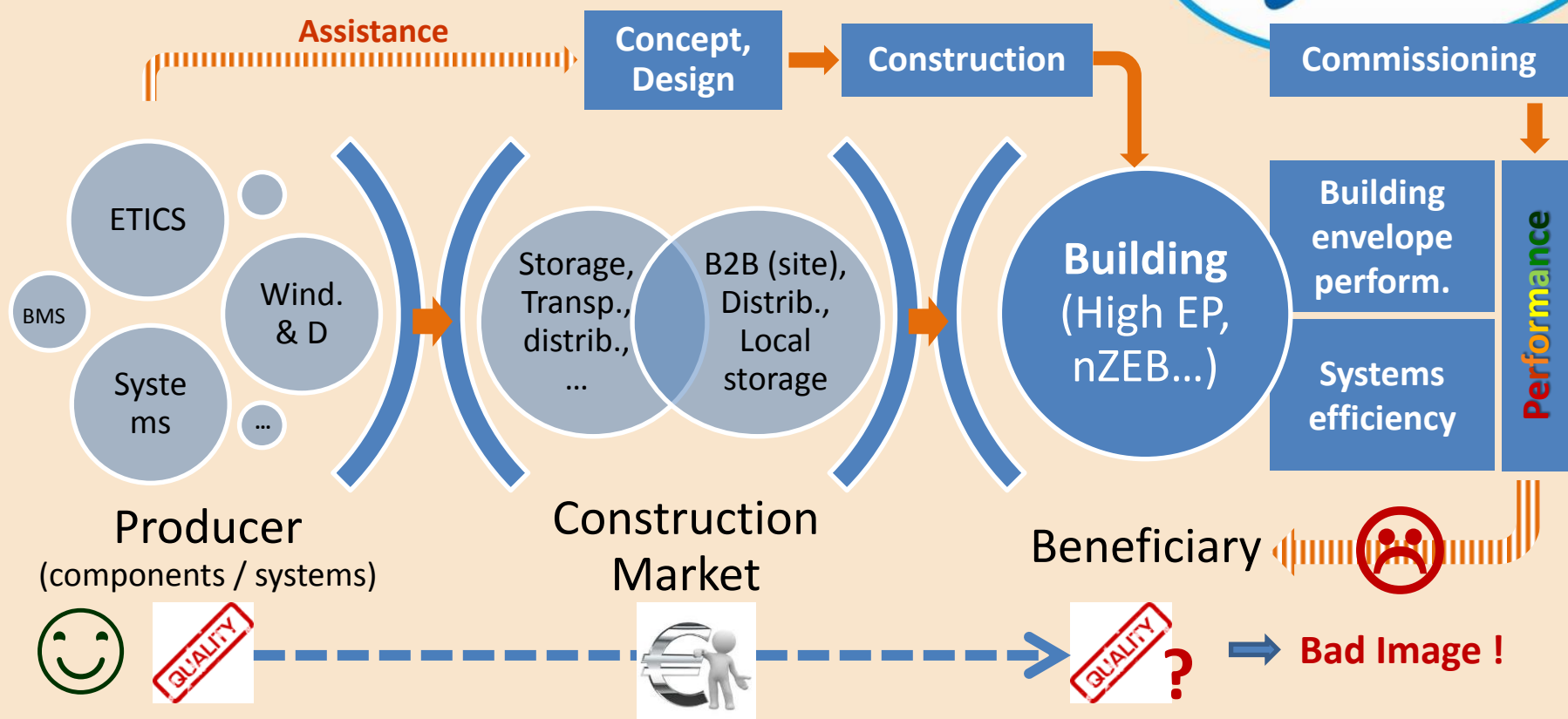
- **Needs:** qualified workers (certified)
- **Offer:** on-site locations, equipment, OSH-safety

Technology & Systems Producers / Suppliers
(building envelope)

- **Needs:** high quality of their product installation, image
- **Offer:** consumables, technical specs, trainers (demo)

Competences for products installation

BUILD UP Skills QualiShell



- Pressure on sales targets → complaints → more time spent ↗
- Investing in qualification pays back ! → **training fund** (%sales)

- Quality = conformance to requirements (Crosby)
 - Relative to requirements (expectations):
 - Poor requirements → low quality,
 - Ambitious requirements → high quality
- QUALITY CHECK:
 - By compliance & control: (∃) reliable system - procedures
 - ‘Policeman at every ‘street corner’?
 - By developing skills and competences – understanding concept (e.g. comfort, efficiency, nZEB) and technology
 - Development of **self-control** by qualification & **productivity**
- Paradigm shift among builders:
 - ‘What if I **train** them and they **leave** / ask more money?’
 - ‘What if I do **not train** them and they **stay**?’

Contact

BUILD UP Skills QualiShell



Horia Petran
Project Coordinator

București, Șos. Pantelimon 266
Tel. 021 2550835
hp@incerc2004.ro

www.iee-robust.ro/qualishell



www.buildup.eu/ro/communities/robust



Build Up Skills ROMANIA



BuildUpSkillsRO



Co-funded by the Intelligent Energy Europe
Programme of the European Union



www.buildupskills.eu



www.iee-robust.ro

