



BUILD UP Skills

Energy training
for builders



**Overview of the impact
of the EU
BUILD UP Skills initiative
and future plans**

An initiative to boost the energy skills
of Europe's building workforce

Funded by the Intelligent Energy Europe
programme

Further information?

www.buildupskills.eu

<http://ec.europa.eu/energy/intelligent/>

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BUILD UP Skills - Objectives



- **Initiate national discussion processes** with all relevant stakeholders on **continuing education** of **on-site building workers** to meet EU 2020 energy objectives
- **Informed discussions with identified and quantified needs for a workforce** qualified in energy efficiency and renewable energy in each Member State by 2020 and beyond
- **National qualification roadmaps** – set up and agreed to achieve the 2020 sustainable energy policy objectives
- **Support concrete qualification schemes** on the basis of roadmaps to 2020 with identified needs and priorities



BUILD UP Skills - Structure





A great mobilisation success (Pillar I)

- 30 countries covered (EU28 + MK+NO)
- 5 EU exchange meetings organised between November 2011 and November 2013
- More than 2000 organisations involved in 30 national qualification platforms across Europe
- Involvement of education, building and energy sectors
- Endorsement of key market players to implement concrete roadmaps measures
- Evaluation of the initiative will start end of 2014



Identifying needs : conclusions

- More than 3 million workers would require up-skilling on energy efficiency or renewable energy sources by 2020
- Carpenters and joiners, bricklayers and stonemasons and building electricians are the most frequently mentioned occupations identified as requiring additional training
- Importance of transferable and cross-trade knowledge and skills



Identifying needs : conclusions

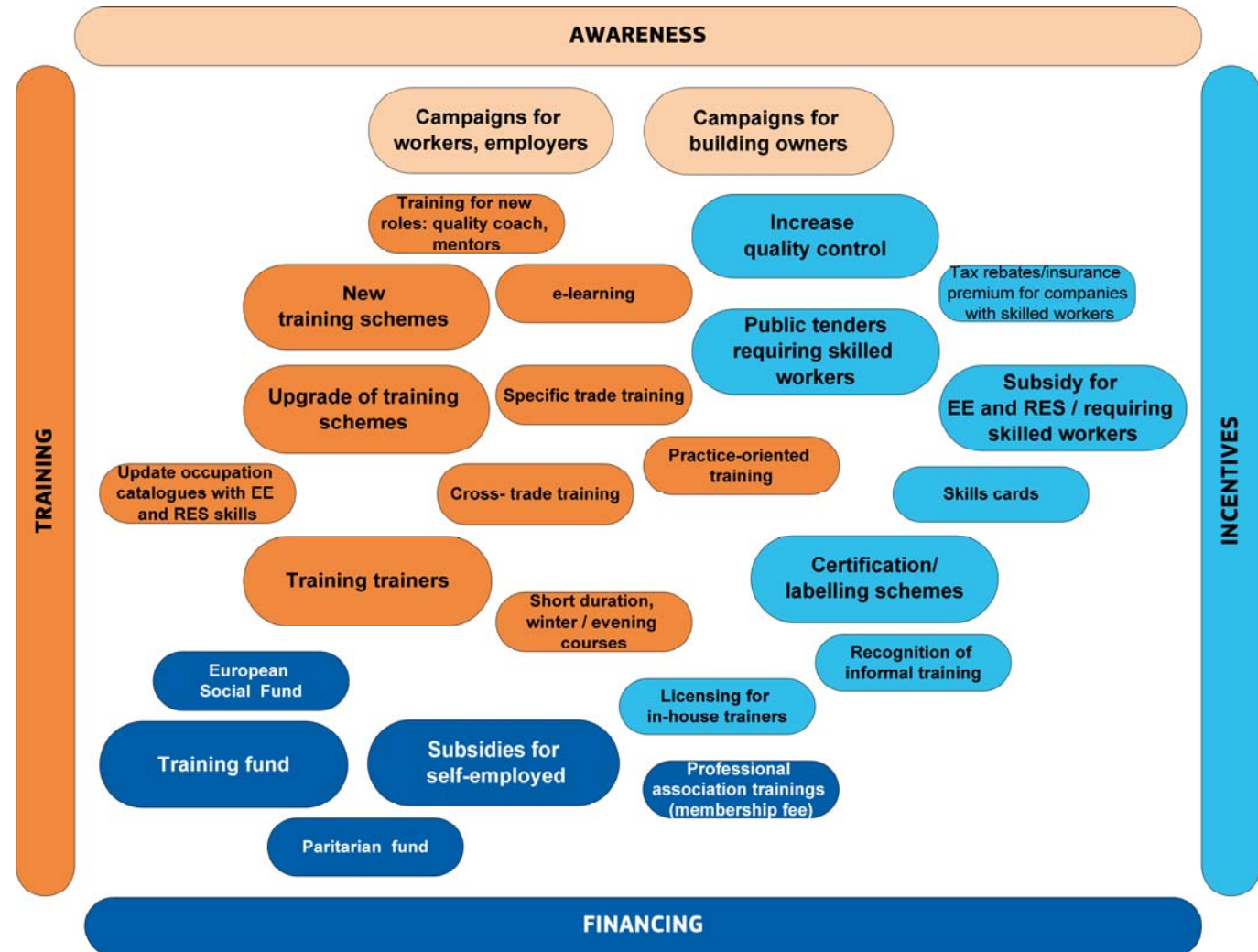
- Slight shortage of building workers by 2020 in most European countries.
- The need for training of the current workforce is much stronger than the estimated need for additional workers.
- Skills gaps (i.e. vacancies filled/ jobs done with incomplete skills set) rather than skills shortages (i.e. vacancies not filled/ jobs not done due to the lack of people with at least some knowledge, skills and competences)



Identifying barriers - conclusions

- **Administrative, legal and institutional barriers** (e.g. different regulations, lack of coordination, absence of adequate regulatory framework, etc.)
- **Structural barriers** (e.g. fragmentation of the market, micro-companies, small energy efficiency and renewable market, etc.)
- **Economic and financial barriers** (e.g. lack of public support to training, financial crisis, discontinuity of (energy) policies, high cost of training, etc.)
- **Education and training related barriers** (e.g. training courses do not keep up with tech. developments, quality of trainers and infrastructures)
- **Sociological and linguistic barriers** (low education level of the workforce (e.g. many workers have failed at school, illiteracy))

Identifying solutions – roadmaps measures





From strategy to action – Pillar II

- 10 BUILD UP Skills Pillar II projects have started in October 2013: national projects in AT, CY, DE, EE, ES, FI, IE, LV, NL, RO

- 12 BUILD UP Skills Pillar II projects have started in September 2014: national projects in BG, EL, HR, HU, IT, LT, LU, MK, PT, SE, SK
 - Specific trade training
 - Cross-craft foundation courses
 - Awareness raising on quality in construction



Pillar II – Latest developments

- So far, all Pillar II projects are national initiatives
- Exchanges are foreseen 1x/year, next meeting in Nov. 2014
- A tender is foreseen on the EU-Exchange activities
- Work Programme Energy Efficiency 2014:
 - 26 proposals received under EE4 Construction Skills
 - Results announced early November 2014



Future funding opportunities Horizon 2020 programme

- Funding opportunity under Horizon 2020 (Secure, Clean and Efficient Energy)

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/secure-clean-and-efficient-energy>

- Call for proposals 2014-2015 : EE4 Construction skills not open in 2015