



Skills for a “transformational” construction sector

Case: Spain

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1. Background of sustainable construction

1. Background of Sustainable Construction

EU & SUSTAINABLE CONSTRUCTION: Some papers

- COM(2010) 2020, **EUROPE 2020**: A strategy for smart, **sustainable and inclusive growth**.
- Directive 2010/31/UE on the **energy performance of buildings**.
- COM (2012) 433: Strategy for the **sustainable competitiveness of the construction sector and its enterprises**.
- COM (2014) 446: **Green Employment Initiative**: Tapping into the job creation potential of the green economy.
- Recomendación (UE) 2016/1318 on guidelines for the **promotion of nearly zero-energy buildings** and best practices to ensure that, by 2020, all new buildings are nearly zero-energy buildings.
- COM (2016) 860 **Clean Energy For All Europeans**.

1. Background of Sustainable Construction

SOCIAL DIALOGUE: CONSTRUCTION INDUSTRY Action Programme 2016-2019

Priorities:

2. Initiatives for youth employment

- a) Updating, promoting and further developing the “Youth initiatives” website (www.construction-for-youth.eu)
- b) Increasing number and quality of apprenticeships
- c) Developing responsible entrepreneurship



3. Vocational training

- a) **Anticipating the skills needs.**
- b) Validation of informal and non-formal training.
- c) Facilitating the mutual recognition of qualifications.
- d) Exchange of best practices on EU instruments
- e) **“Greening” of the economy and of jobs**

European Federation
of Building
and Woodworkers



1. Background of Sustainable Construction

ROLE OF SOCIAL PARTNERS

- **COM(2016) 381 A NEW SKILLS AGENDA FOR EUROPE:**
Working together to strengthen human capital, employability and competitiveness.
 - *Central role of social partners to play in ensuring the **Agenda** is successfully **developed and implemented**, and **keeps pace** with the **fast-changing needs** of our labour market and society.*
 - *Business and social partners should be involved in **designing and delivering VET** at all levels.*
 - *Social partners in several sectors, including commerce, **construction** and telecommunication, have reached **joint positions on skills**, including specific **initiatives on traineeships**. [...] **The Commission will help social partners take forward the results** of their joint projects [...].*

1. Background of Sustainable Construction

CONSTRUCTION SOCIAL PARTNERS: Some current projects

























- **Social Dialogue FIEC-EFBWW project: Inclusive Vocational Education and Training for Low Energy Construction (VET4LEC).**
 - *Objective: addressing the links and interactions between Vocational Education and Training and low energy construction.*
 - *It will collect, assess and compare national case studies, amongst others developed in the framework of the "Buildup Skills" initiative.*
- **BuS trainer (Erasmus+): Building up green Skills for Trainers from the construction industry**
 - *Leader: Fundación Laboral de la Construcción*
 - **Partners: business organizations** and training providers from **Spain, Italy, Portugal, Greece and Malta.**
 - *Objective: to design a new European sectoral qualification standard, for trainers acting in the construction industry in South Europe, with the aim to build up green skills to better perform teaching in sustainable construction.*





2. Skills for a “transformational” construction sector

2. Skills for a “transformational” construction sector

Skills / Measures	Helping transformation from FLC
Improving sector image	 
Ensuring high performance	  
Facing sectoral ageing	
Attracting youngsters	 
Boosting ICT	    
Working safely	 
Environmental awareness	   
Managerial skills	 
Sharing of good practices	 
Boost mobilities	<ul style="list-style-type: none"> ▪ Mobilities for training managers (FR;GE) ▪ Mobilities for students (IT) 



3. Background of Build Up Skills

3. Background of Build Up Skills

BUILD UP SKILLS: TARGET

A European initiative
within the programme
**Intelligent Energy
Europe** of the
European Commission

To boost continuing training
of craftsmen and on-site
construction workers and
systems installers in the
building sector...

...in order to deliver
renovations offering a **high
energy performance** as well as
**new, nearly zero-energy
buildings by 2020**



Info: <http://www.buildupskills.eu/>



4. Build Up Skills Spain. “Construye 2020”

4. Build Up Skills Spain. "Construye 2020"

SPANISH PARTNERSHIP

Leader:



Partners:



Info: <http://construye2020.eu/>



Buenas prácticas en rehabilitación energética

+INFO

BIENVENIDOS A CONSTRUYE 2020

App "Construye 2020"

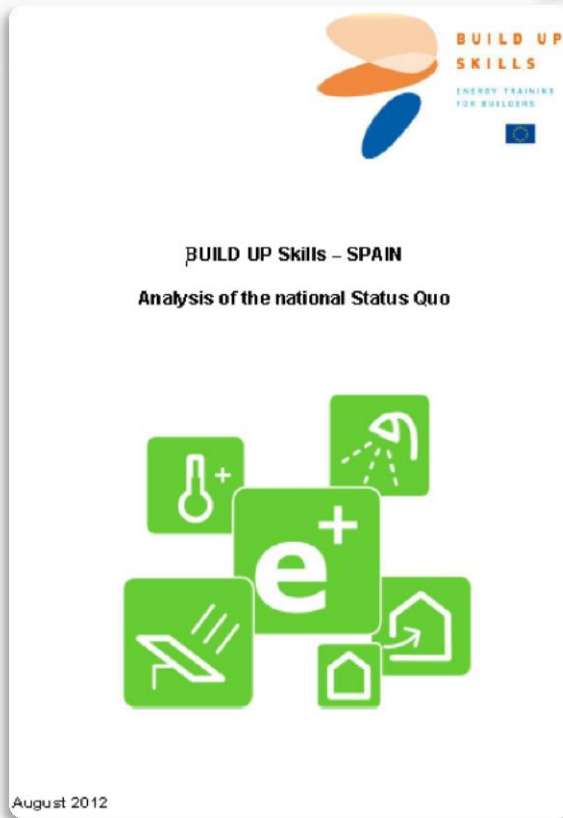
Ruta
Construye
2020

Conoce la Ruta
"Construye 2020"

Seminarios gratuitos
on-line

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PILLAR I: MAIN OUTCOMES



Status Quo



Roadmap

Info: <http://spain.buildupskills.eu/>

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STATUS QUO: FINDINGS



Re-skilling needs:
25-35% workers



Budget:
28-60M €



Bricklayers



Insulation workers

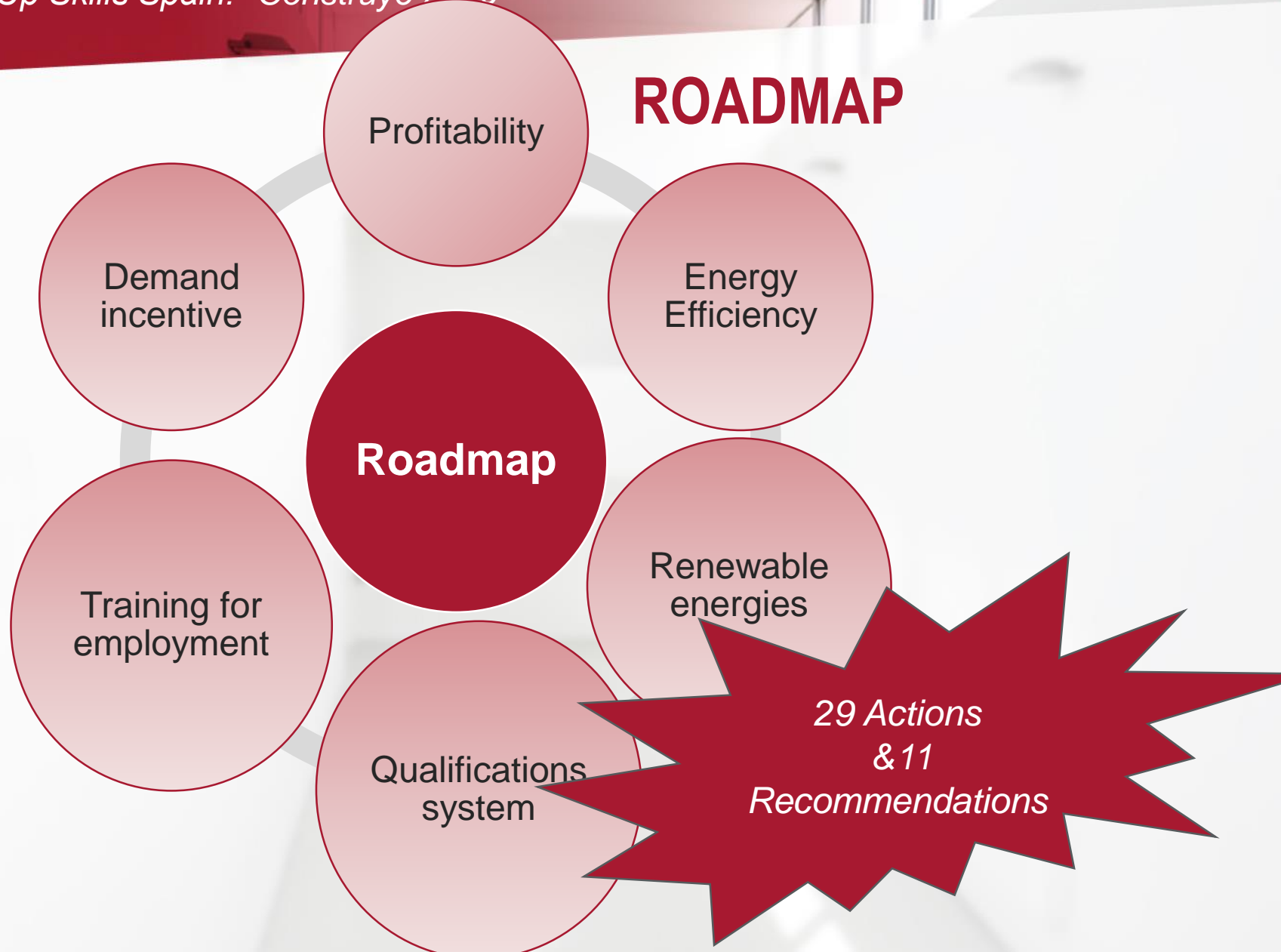


Plumbers



Roofers

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PILLAR II: OBJECTIVES

Develop training actions & resources

Carry out pilot experiences

Update official qualifications from an energy efficiency viewpoint

Develop tools and mechanisms to improve the VET system

Carry out dissemination campaigns on EE & RE solutions and related training



Development of 19 actions

Info: <http://construye2020.eu/>

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TRAINING COURSES

Design of **9 new training courses:**

- **Profitability** in EE
- **Insulation**
- Aluminium and PVC **carpentry**
- **Heating** and **air conditioning**
- **Energy efficiency** in buildings
- **Renewable energies** in buildings
- **Geothermal** energy installations
- **Biomass** energy installations
- **Train of trainers** on EE y RES



Pilot Training

25 429

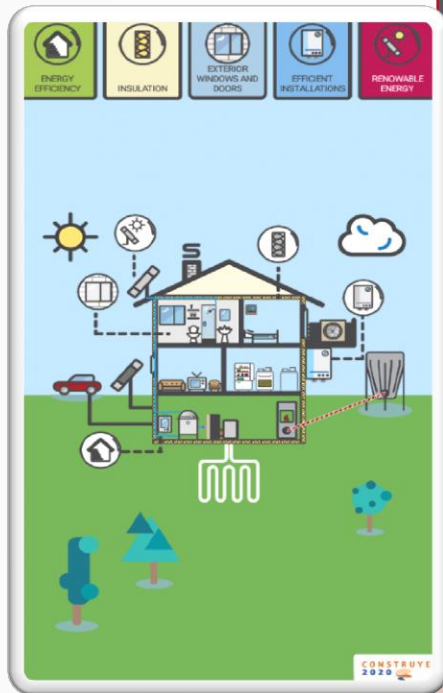
Courses

Trainees

Info: <http://construye2020.eu/construye2020/descargas>

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TRAINING RESOURCES



App Construye 2020

- Key notes.
- Practical focus.
- Images, graphics, drawings...
- Serious games.
- 3,000 downloads.

Webinars

- Good practices on energy efficiency rehabilitation of buildings.
- Energy efficiency in buildings.

Didactical textbooks

- 8 textbooks.
- Simple, didactic, and very visual.



Available for free:

<http://construye2020.eu/plataforma-sobre-formacion-profesional/recursos-de-formacion>

SPANISH QUALIFICATION FRAMEWORK

1

- **Review of existing qualifications** under energy efficiency criteria:
 - Building and Civil Works (24)
 - Energy and Water (10)
 - Installation and Maintenance (7)
 - Electricity and Electronics(7)

2

- **Development of new qualification standard** (competencies) on **“Geothermal energy systems”**

4. Build Up Skills Spain. "Construye 2020"

ROUTE "CONSTRUYE 2020"

+ 2,000
adhesions



15 cities

100
endorsements

170 news

105 media



<https://www.youtube.com/watch?v=i0-4-AttQec>



Learning to **build a better world** is our job and our passion

Thank you

Enrique Corral

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