INSTRUCT project

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INSTRUCT project overview

- **Call topic**: LC-SC3-EE-3-2019-2020 → Stimulating demand for sustainable energy skills in the construction sector

- **Full title**: Evidence based market and policy instruments implementation across EU to increase the demand for energy skills across construction sector value chain

- **Budget**: 999,062€

- **Duration**: 1/06/2020 - 30/11/2022

- **Consortium**: 8 Partners from 7 countries + 2 third parties + Advisory Board members
One of the major challenge is increasing the demand for a skilled workforce:

- awareness raising;
- recognition and visibility of skills, training schemes;
- different partnerships and collaboration schemes;
- incentives;
- legislative changes.

**Assumption**

the overall potential for energy efficiency would be higher if successful training initiatives, educational and informative programs and supporting policy instruments are put in place to maximize demand for sustainable energy skills in the sector.
Project objective

**General aim:** to act at a market level by providing an operational framework and set of services serving a new generation of skilled and certified workers and fitters and paving the way to legislative changes that overall will stimulate the demand for energy skills across lifecycle and supply chains.

**Outputs**

- Research data proving correlation between skills, education, energy performance and quality
- Adapted existing and new tools, solutions to facilitate the mutual recognition of energy skills and qualifications
- Supporting public authorities in development of new legislative frameworks
The concept and work plan

WP1 & WP7 Project management and Ethics requirements

WP2 Eliciting requirements to increase the demand for skills in Energy Efficiency

WP3 Deploying the crosscutting instruments

WP4 Demos implementation

WP5 Dissemination and communication

WP6 Exploitation and replication

WP1 & WP7: Project management and Ethics requirements.

WP2: Eliciting requirements to increase the demand for skills in Energy Efficiency.

WP3: Deploying the crosscutting instruments.

WP4: Demos implementation.

WP5: Dissemination and communication.

WP6: Exploitation and replication.
Different solutions to address the challenges

- INSTRUCTs will involve **identifying best practice initiatives** for energy skills recognition with a view to enhance these and inform the delivery of tools adapted to a wide range of country specific organizational and cultural work practices across Europe.

- **Solutions / Project Results** to facilitate the mutual recognition of energy skills and qualifications:
  - sustainable energy skills passports/registers
  - new legislative frameworks, public procurement practices
  - initiatives for home and building owners
  - new partnerships with producers and retailers
  - INSTRUCT tangible application already implemented in BIM4VET and BIMEET projects
  - guide for the establishment of energy skills passports, registers
  - guide for new legislative frameworks, public procurement
  - procurement methods for demanding energy skills in project
  - INSTRUCT platform and database
Impact indicators

Main outcomes
- Industry and academic evidence: the correlation between (a) skills and education, and (b) energy performance and quality
- New, and adapted existing, tools facilitating the mutual recognition of energy skills and qualifications
- Support public authorities and industrial stakeholders for the development of new legislative frameworks

Detailed outcomes
- Correlation between training and energy efficiency
- Skills and Learning outcomes matrix
- INSTRUCT framework of instruments
- INSTRUCT toolset specification and database
- New legislative frameworks
- Expectations of building and home owners
- Networking activities
- Building up a EU-level forum for competence accreditation bodies for EE skills

Evidence based on 8 demonstrations
- Energy skills certification
- EE training and Standard
- Energy skills recognition
- Policy making
- Initiatives for building and home owners
- Energy gap reduction and initiatives
- Demand of energy skills
- Capacity for supply of energy skills

Main impacts
- Primary energy savings
- Measurable energy savings
- RES production
- Investment in sustainable energy
- Energy certification schemes
- Mutual recognition of energy skills
- Collaboration across professional groups
- Market acceptance
- Legislative changes
- Reduction of gap
- Reduction of GHG emissions

EU 2030 and 2050 targets
Impact indicators monitoring

STEP 1
Preconditions in demos
Preparation phase for demonstration, data quality and data availability

STEP 2
Starting the demo
Setting demo in place and start running it

STEP 3
Continuous monitoring of the demonstration performance
Continuous monitoring early corrections if necessary

STEP 4
Analyse of the data and KPIs from demo
Impact analyse

INSTRUCT IMPACT MONITORING RESULTS
Dissemination strategy

Publications:
- 1 publication at MDPI
- 4 scientific publications
- 3 publications in general media: BuildUp portal, ECTP portal, national construction section portals and general media portals.

Events:
- 1 webinar for stakeholders
- 1 webinar for sister-projects
- World Sustainable Energy Days in February 2021 in Wels/Austria
- Sustainable Cities Summit in June 2021
- National events

Sister-projects cooperation:
- Joint events
- Joint mailing list to exchange good practices and disseminate our news and results mutually

Newsletter:
- #1 at M6 – first outcomes
- #2 at M12 – the first year of the project summary

Online diss. channels management:
- Photo/video/infographic
- UGC (User Generated Content) or Partners’ People’s/Organizations’ Content

Printed/Online materials:
- 1 brochure presenting project’s goals

Target groups:
- Policy makers/Relevant other R&I projects/Scientific community
- Building and real-estate industry, home and building owners and tenants
- Producers/Contractors/Retailers
- Blue collar workers
- Investors
Collaboration with sister projects

**Activities:**
- First joint workshop during SP2020
- Joint webinar in April 2021
- Joint teleconference on 14th December on dissemination
- Joint mailing list to exchange good practices and disseminate our news and results mutually

**Areas for collaboration:**
- Exchange of knowhow, ideas and best practices
- Joint dissemination to increase impact
- Cooperation for replication to increase impact
INSTRUCT SP2020 workshop

https://instructproject.eu/news/
https://youtu.be/W-MGg3MFVzs
THANK YOU FOR YOUR ATTENTION

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Measures to boost the demand for EE skills

- Awareness raising, including using the evidence between skilled workforce and increased energy performance of buildings
- Legislative changes
- Recognition and visibility of skills
- Partnerships and collaboration schemes with producers and retailers as well as building and homeowners
- Incentives (including financial incentives)