BUILD UP Skills BEEP
Finland
BUILD UP Skills 8th EU exchange meeting
Harri Heinaro, Motiva Services
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Objectives

- Increase of skilled construction workers and improve energy efficiency of buildings through
  - introduction of best practices to mainstream application
  - improved teaching and training of construction workers
  - active interaction within the operating environment
Achievements/Results

Best practices for training materials

On-site training

Teacher training

Teacher s

Student s

Media

Workers

Industry
Training materials

- Materials enable self-learning
- Bridge language gaps
- Easily accessible online
Energy Efficient Building Guide

- Accessible online, also for mobile devices
- Guide can easily be printed out as a whole or as individual two-sided instruction cards.
Educational videos online
Slide Shows for training and self–learning

Altogether 234 slides  
10 themes

1. Insulating a wooden wall with mineral wool
2. Insulating a wooden wall with loose-fill mineral wool
3. Insulating a wooden wall with plastic insulant
4. Insulation of the roof with mineral wool sheets and loose-fill wool insulant
5. Thermal insulation of the roof space with loose-fill wool
6. Insulation taping
7. Technical building services
8. Through holes for technical building services
9. Window installation
10. Energy efficient renovation
Everything online – freely accessible

www.motiva.fi/buildupskillsfinland
Training for Teachers

Over 50 teachers trained
Excellent feedback
Training suitable for both vocational and adult education
On-site training scheme and pilot trainings
Stakeholder network

Motiva, TUT and TTK with
- Ministry of the Environment
- Ministry of Employment and Economy
- Finnish National Board of Education
- Construction Trade Union
- Confederation of Finnish Construction Industries
- Construction Quality Association, RALA
- RAKLI
- City of Oulu
- Building Authority
- Senate Properties

Construction sector companies

Construction sector associations

Building Authorities

Vocational adult education teachers

Consumer Energy Advisors

Build Up Skills
Energie training for builders
Finland
On-site training ambassador

- Motivator and messenger towards
  - construction companies
  - workforce
  - stakeholder network
- Face of the BUILD UP Skills training scheme
  - easy to approach the workers and the management
  - knows the product and the target groups
On-site training ambassador at work

Training teachers

Training Change Agents

Presentation s at meetings and seminars

Visiting construction sites

Present at Building Fairs and Events

Construction and building sector seminars

Building Authority Events

Interviews, Articles
Project visibility online, at events, in the media
Challenges

- Demanding climate conditions
- Language issue
  - 30,000 foreign workers
- Insufficient skills on key issues
- Lack of interest / poor attitudes for further training
- Lack of coordination between players on construction sites
- Creating material and training for two different target groups
Lessons learnt

- The key is to filter the essence from the volume of information (research papers, reports, handbooks)
- Theory is the basis – discussion on practical construction issues is essential
- Training material package is a toolkit – trainers use (and should use) the material in personal ways
- Pedagogical methods need to be modernised
- Workers prefer descriptive materials and instructions – photos and illustrations with supporting text
- BUILD UP Skills scheme and awareness should be integrated in quality and human resource management
Where to next?

Emphasis on new target groups: designers and architects, building maintenance?

Teacher training?

E-learning platforms?

Maintenanc e and updating of the materials

"Keep it up"

Involve more companies