



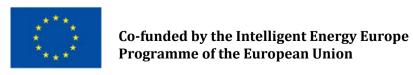
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FYROM have harmonized energy efficiency policy with European legislation and set national energy savings targets that should be achieved till 2020.

The share of building sector's contribution in energy savings targets is 36,13%.





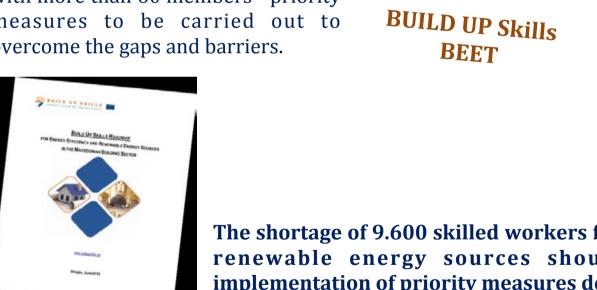


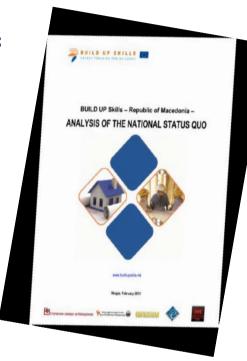


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#### **ACTIVITIES UNDERTAKEN WITHIN BUILD UP SKILLS PILLAR 1:**

- **1. Status Quo Analysis** for building sector defined the gaps between current situation and needs for skilled on-site workers.
- 2. Roadmap, document endorsed by National qualification platform, with more than 60 members - priority measures to be carried out to overcome the gaps and barriers.





The shortage of 9.600 skilled workers for energy efficiency and renewable energy sources should be overcome by implementation of priority measures defined in the Roadmap



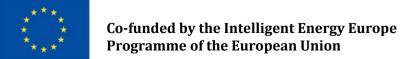




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# What are we trying to achieve? BUILD UP Skills BEET objectives:





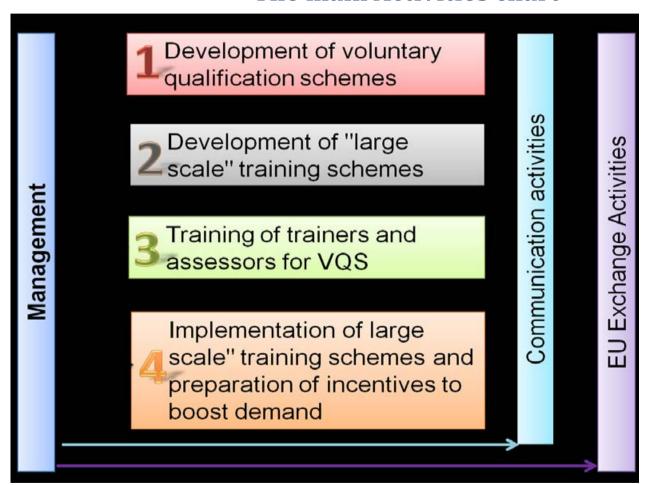
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#### The main Activities chart



THE PROJECT OVERALL RESULTS HAVE CONTRIBUTED THE BUILD UP SKILLS-BEET TO BECAME A SYNONYM IN THE COUNTRY FOR ENERGY EFFICIENCY IN BUILDINGS AMONG INSTITUTIONS AND COMPANIES.

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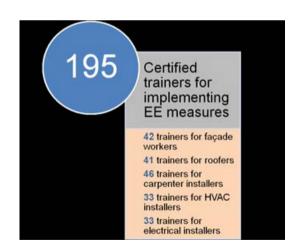


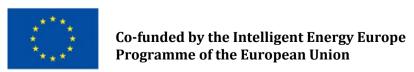


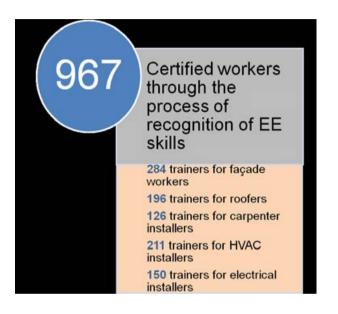
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### **RESULTS** approving approach











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DEPER HA FRAGORIANTE PAGOTIANUM SA SHI PETETEKA LIBARACHIOCE BURGO OF SKILLS - BURLOURS: CHEETERS EFFECTIVE TRABIBING - BEST

case studies and design of documents for reaching project

goals











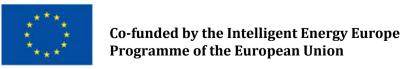




#### **COMMUNICATION PLAN**

Grant agreement number: IEE/13/BWI/682/SI2.680171
Duration: 18.07.2014 – 18.03.2016





**Duration: 18.07.2014 - 18.03.2016** 

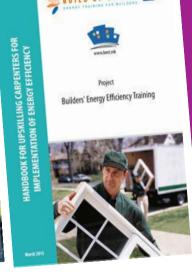


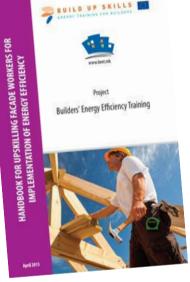


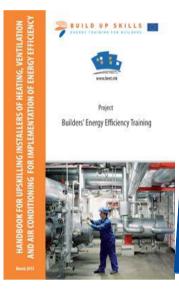
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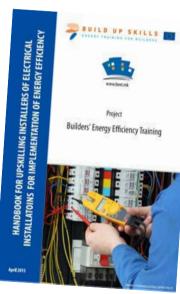
# 1st Voluntary Training schemes HANDBOOKS FOR TRAINING PROGRAMES FOR 5 OCCUPATIONS











1.building envelope

2. glassing

3. roofing

4. energy infrastructure

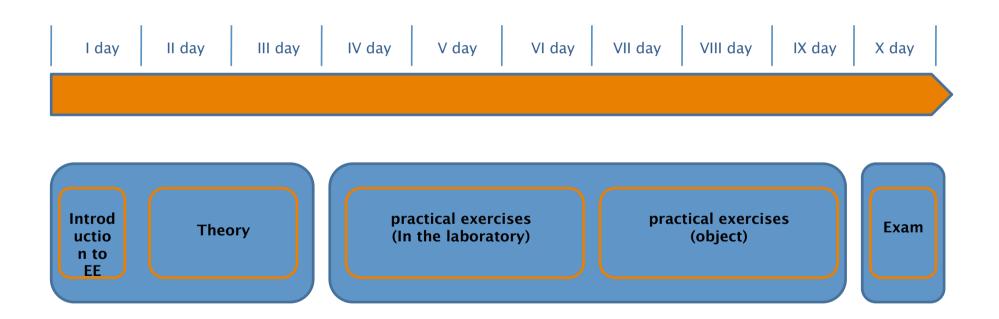
5. HVAK-heating, ventilation and aircondition systems



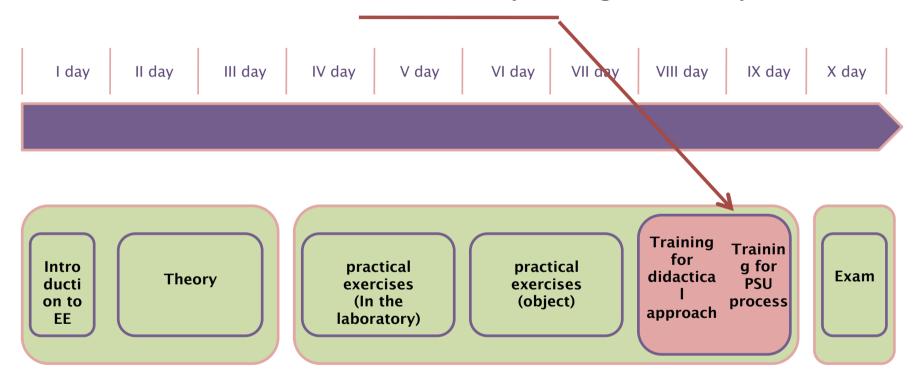
Co-funded by the Intelligent Energy Europe Programme of the European Union

**Duration: 18.07.2014 - 18.03.2016** 

# Duration / Planning program for Training of installers of energy efficient electrical installations (Training of workers)



# Duration / Planning program for Training of installers of energy efficient electrical installations (Training of Trainers)





# **2<sup>nd</sup> Voluntary Training Scheme** Recognition of previous learning

BEET **SUILD UP Skills** 90 9

### **METHODOLOGY**

IDENTIFICATION PRIOR KNOWLEDGE AND SKILLS ACQUIRED FORMAL AND INFORMAL EDUCATION - RPL PROCESS







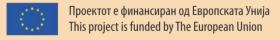
BUILD UP Skills BEET - Builders' **Energy Efficiency Training** 

IEE/13/BWI/682/ SI2.680171 ligent Energy Europe Проектот е финансиран од Европската Унија This project is funded by The European Union



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# STRUCTURE OF CERTIFICATION BODY

Efficiency Training  $\omega$ **Board Certification** - President -Energy | **Appeals Program** Commission **Board BUILD UP SKIIIS BEET Board Examination** Certification Commission 90 09  $\omega$ 



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# **RECOGNITION PROCESS**

**CONTEXT** 

institution which will run the process required level of qualifications, establishing an official body for implementation of the process

**INFORMATION** 

publishing the information, explaining the process, attracting and animation of the target groups

**APPLICATION** 

filling the registration / application, submission of evidence of previous knowledge and skills

**EVALUATION** 

interview

test

practical exam

**DECIDING** 

decision on the recognition of previous knowledge and skills

RESULT

**CERTIFICATE OF QUALIFICATION** 

ADDITIONAL TRAINING / TRAINING







## RESPONSIBILITIES OF CERTIFICATION BODY

Efficiency Training  $\alpha$ BUILD UP Skills BEET 90 9  $\alpha$ Ω



Educational materials and tests PROGRAMMING BOARD



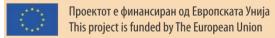
Application and the preparation of report evaluation TEST COMMISSION



**Certificate** 

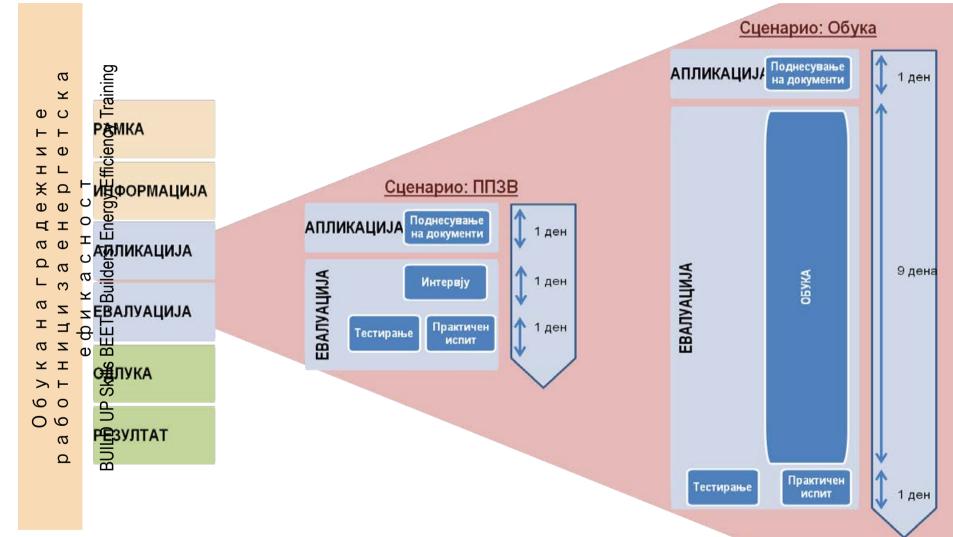
PRESIDENT OF THE BOARD CERTIFICATION
PRESIDENT OF PROGRAMME COMMITTEE







# **DURATION OF RECOGNITION**











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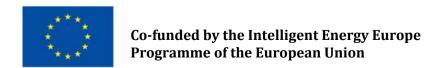
**EU Exchange activities** cover re-sources to create added value at the European level

#### **Communication activities involves:**

-development of tools for effective communication within consortium and shareholders;

-defined procedures for internal and external communication;

-preparation of promotion materials and training materials in order to involve target groups in the project activities.



**Duration: 18.07.2014 - 18.03.2016** 





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#### **Expected impacts:**

- -Found official Awarding Body for recognition of previous learning
- -1000 workers with Certificates for recognized previous learning
- -Capacity building of training providers for energy efficiency with 200 trainers trained
- -After the project end, 300 courses will be organized in the period of 5 year or 60 courses per year.
- -Reduction of greenhouse gas emissions 34.592 tCO2e/year
- -The project results will accelerate the number of qualified workers to 1.050 with chances to reach number of 7.000 workers till 2020.

Expected Performance Indicators	Target within project duration:	Target by 2020:
Primary energy sa∨ings	Toe/year 4332	Cumulati∨e 21660
Reduction of greenhouse gas emissions	Ton CO₂e/year <b>34592</b>	Cumulati∨e 172960

By 2020			
Common Performance indicator	Planned target	Actual achievement	Comment on performance
Cumulative investment (Euro)	N/A		
Renewable Energy (toe/year)	N/A		
Primary energy savings (toe/year)	21660	38175	Saving are cumulative by 2020. Number of additional up skilled workers every year were taken into consideration. Every year new 258 EE workers, or 1032 by 2020.
Reduction GHG emissions (tCO2e/year)	172960	304511	Lower planed target is due to not considered additional up skilling of # of workers every year as result of project training schemes.





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

**Duration: 18.07.2014 - 18.03.2016** 



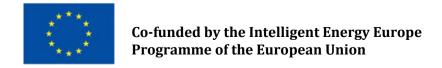


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...we are trying to make things better and to move thing foreword for the common benefit.

...we are trying to make achievement of EU 20-20-20 goals POSSIBLE.



Shotography

Skopje, capital city of Macedonia

**Duration: 18.07.2014 - 18.03.2016** 



# **CERTIFICATION BODY**

**BUILD UP Skills** 90 09  $\omega$ 



Jadranka Arizankovska - Project Manager and Financial Coordinator -



Christina Spasevska - Chairman of the Board for Certification -



**Risto Ivanov** - Project coordinator -



Lazar Gechevski - Chairman of the Program Committee -



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# **CERTIFICATION BODY**



Slagjana Stojanovska



**Boris Trimchev** 



Ivana Petkanovska



Ljindita Qazimi



Irena Milkov

### **APPEALS COMMISSION**

**MEMBERS OF THE** 

**COMMITTEE** 

**CERTIFICATION** 



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### **CERTIFICATION BODY - PROGRAMMING BOARD**





Antonia Josifovska



Simona Ristoska



Zanina Stamenkova



Lihnida S. Georgievska



Svetlana Petrovska



Ivana Sandeva



**Zivko Dimov** 



**Igor Panchevski** 



Ljupco Vangelski



BUILD UP

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BUILD UP SKILLS

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**Project Coordinator:** Jadranka Arizankovska E-mail. jadranka@mchamber.mk Phone, +389 2 3244038



# **QUESTIONS & ANSWERS:**



ФАКУЛТЕТ ЗА **БИЗНИС** 

ЕКОНОМИІА

BUSINESS



#### **Project consortium partners:**

Republic of Macedonia



Association of Business and Consultancy - CREATION



Integrated Business Faculty

Center for promotion of sustainable agricultural practices and rural development

ADULT EDUCATION CENTER

PI Adult Education Center- SkopGeProSARD



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