



# BUILD UP Skills Croatia CROSKILLS

## Energy training for builders

**IEE/12/BWI/457/SI2.623227**

**Project duration: 18 months**

**Starting date: 7<sup>th</sup> June 2012**



**KNAUF INSULATION**



**INTELLIGENT ENERGY  
EUROPE**

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# Minutiae

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## Coordinator:

University of Zagreb, Faculty of Civil Engineering

## Project coordinator:

Prof. Ivana Banjad Pečur, PhD.

## Address:

Fra Andrije Kačića Miošića 26

HR – 10000 Zagreb

## Email:

[banjadi@grad.hr](mailto:banjadi@grad.hr)

## Phone:

+385-1-4639-162



# Partners



University of Zagreb, Faculty of Civil Engineering  
Fra Andrije Kačića Miošića 26, HR-10000 Zagreb



Ministry of Construction and Physical Planning  
Ulica Republike Austrije 20, HR-10000 Zagreb



Regional Environmental Center  
Ferde Livadića 35, HR-10000 Zagreb



Croatian Chamber of Trades and Crafts  
Ilica 49/II, p.p.166, HR-10000 Zagreb



School of Building and Crafts  
Športska 1, HR-40000 Čakovec

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University of Zagreb, Faculty of Architecture  
Fra Andrije Kačića Miošića 26, HR-10000 Zagreb



Knauf Insulation Ltd.  
Varaždinska 140, HR-42220 Novi Marof



United Nations Development Programme Croatia  
Radnička 41/8, HR-10000 Zagreb



# Letters of support



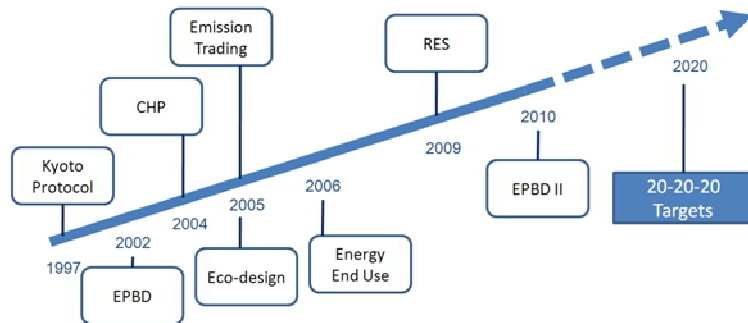
- Republic of Croatia, Ministry of Economy
- Republic of Croatia, Ministry of Entrepreneurship and Crafts
- Republic of Croatia, Ministry of Environment and Nature Protection
- Republic of Croatia, Ministry of Science, Education and Sports
- Agency for Vocational Education and Adult Learning (ASOO)
- Environmental Protection and Energy Efficiency Fund
- Croatian Chamber of Commerce, Industry and Technology Department
- City of Zagreb
- Croatian Chamber of Civil Engineers (HKIG)
- Trade Union of Construction Industry of Croatia (SGH)
- REGEA – Regional Energy Agency Northwest Croatia
- Building & Construction Technical High School, Zagreb
- Rudjer Boskovic Technical School in Zagreb
- Saint Gobain Isover Croatia Ltd.
- Tehnika Inc.
- DOOR – Society for Sustainable Development Design
- Croatian Association of Facade Thermal Insulation Systems (HUPFAS)
- Croatian Society for Infrared Thermography (HUICT)
- Association of PVC Joinery Manufacturers

# Project objectives:

- Define and quantify the needs and possibilities of the Croatian building sectors in contributing to the achievement of ambitious national energy efficiency (EE) targets.
- Creation of the workforce with sufficient knowledge or specialization in the construction of nearly zero-energy buildings
- Legislative and policy measures need to be developed to trigger market evaluation of the qualified workforce.



# Project motivation:



- EU policy
  - directives: EPBD, EPBD II
  - 20-20-20 targets until 2020
- Lack of qualified building sector workers in energy efficient retrofitting and construction
- Lack of institutional specialized education schemes
- Weak market demand for low-energy buildings
- Lack of national discussion among the relevant stakeholders on the needs and possibilities about building sector workers





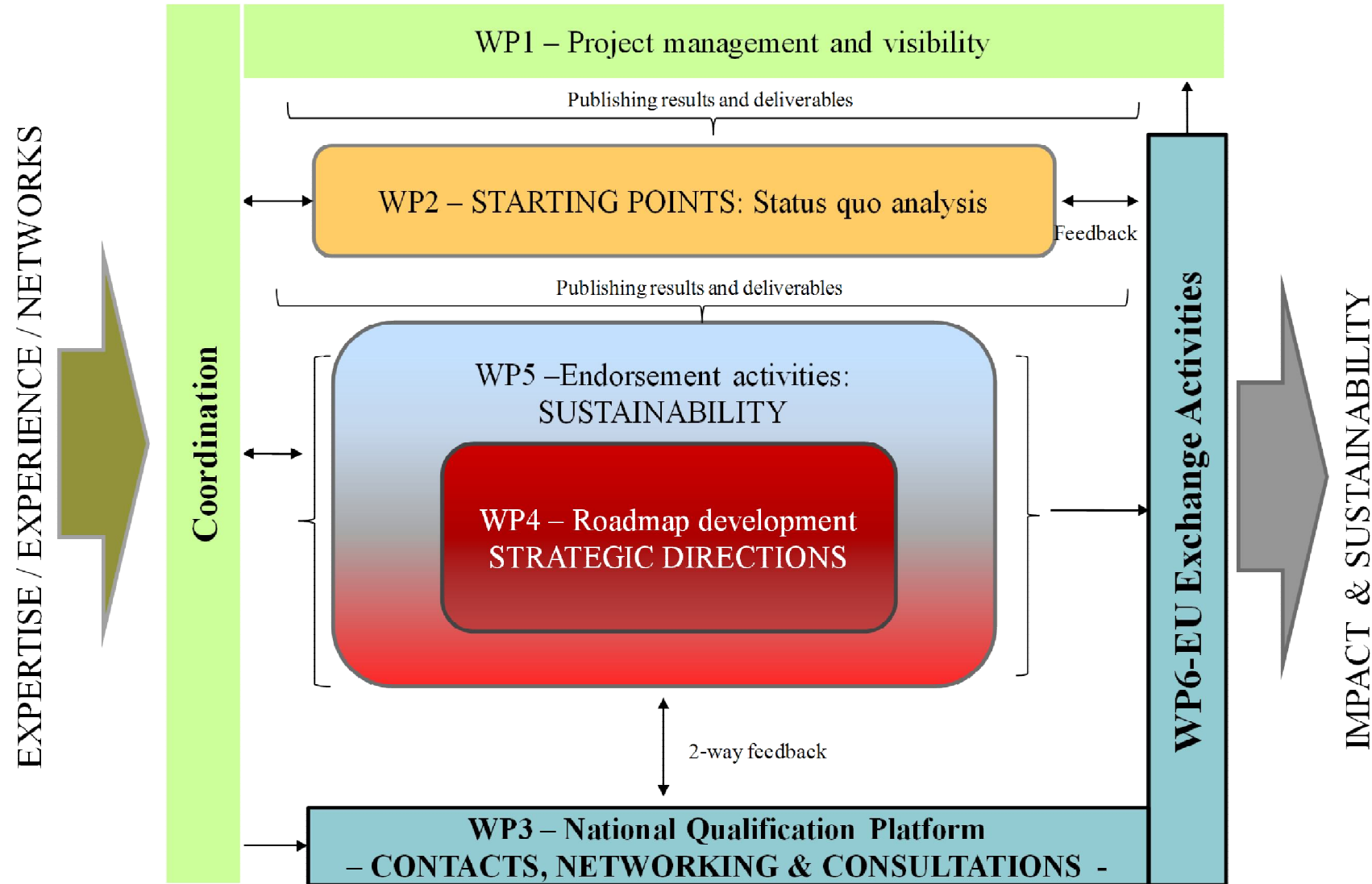
# Methodology



- Determination of the actual situation among the future users
  - Status quo Analysis
- National qualification platform
  - establishment of group of relevant stakeholders in each sector that can contribute to promotion and development of the Roadmap
- National roadmap consultation process
- Roadmap endorsement
  - by identified stakeholders and institutions



# Flow chart of the project





# Stakeholders collaboration



- Consultation process of developing of the Roadmap requires and actively contribute to the **participation of stakeholders from all sectors**
  - gathering information, national workshops, focus groups, lobbying, final conference...
- Capacity and **willingness of key institutions to implement of the Roadmap**
  - **quality feedback** during the development of the Roadmap are necessary to respond the real needs and match the capacities



# Results:

- **Practical knowledge** of specialized on-site workers facilitates an increased implementation of energy efficiency (EE) and renewable energy sources (RES) in the construction sector daily practices
- **Quality control** of a nearly zero-energy building construction process enforced by authorities, professionals and investors
- **Knowledge guarantees high quality work performance!**





**BUILD UP  
SKILLS**

ENERGY TRAINING  
FOR BUILDERS



Thank You for Your kind attention!



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