

Natural Energy Efficiency and Sustainability (NEES)

Work Package No. 6: Support and Training

WP 6 consists of 2 parts: training and support. The aim of training is to transfer knowledge and skills of NEES Best Practices to different NPP regions and to provide accredited training modules. The target groups of training are producers, installers, housing associations, municipalities and private owners. Accredited training will be carried out locally.

Training will consist of 3 modules (technical, business, social). Trainees can take one or more of the modules according to their own needs. The whole training takes 1-2 days or 3-4 days, according to the different types of companies. The training template will be finished by ARTEK and each partner will fill in information according to different BPs (Best practice), CSs (case study), DPs (demonstration project) from different NPP regions.

The aim of support is to help the producers, installers and service bodies, and to the end users of the products and services, in order to facilitate the application of NEES technologies inside and outside the NPP region. Support will be done through NEES website and database.

Training Template

Module A: Technical Issues

1. Theoretical introduction

The theoretical part of training includes the basic knowledge about climate change, energy efficiency in buildings, energy assessment, benefits of low energy buildings, environmental impact, LCA, etc.

Duration: 2 -3 hrs

2. NEES Best Practices

According to the result of WP2 survey, Best Practices will be selected. The trainees will learn about the Best Practices. This part of the training will contain the following information:

- Technical data and product performance (to be provided by producers)

LCA assessment

U-value

Airtightness

Environmental issues (ex. Embodied energy, CO₂ emissions, etc.)

Fire safety

Acoustical comfort

Maintenance requirement

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- Samples to show in class (to be provided by producers)
- Case Studies (to be provided by producers)
- How to install (installers' manual) (texts, technical drawings, drawings of details, pictures and videos, to be provided by the producers)
- Why is it applicable in NPP regions?
- Transferability (WP4)

We need a survey of training needs to be included in the survey. (what trainees want to know about the product?, ex. Social, environmental, economical, technical, and so on...)

Duration: 6 -10 hrs

3. Demonstration Project

The trainees will learn about NEES demonstration projects using Best Practices to see the performance of the products. What each partner should provide for the demonstration project are: videos showing the construction process, details, technical drawings, drawing of details, pictures, energy efficiency evaluation before and after retrofitting.

Duration: 3 -5 hrs

Module B: Business issues

For the trainees to know about the benefit they can get out of the training. (to be provided by University of Ulster)

Duration: 1 -3 hrs

Module C: Social issues

For the trainees to convince their clients and local municipalities

Duration: 1 -3 hrs

Support

The website is supposed to be a tool for support.

But after the project is finished, how could it be?

Who is going to answer questions and maintain the website?

NEES knowledge and technologies are to be integrated into existing energy advisory services and local municipalities' policies.