

Progress of WP6: Support and Training

Jing Qu, Post doc, Ph. D.

Arctic Technology Center,
Technical University of Denmark
May 5, 2012, Umeå, Sweden

ARCTIC TECHNOLOGY CENTRE





The Aim of Training

- To transfer knowledge and skills of NEES Best Practices to different NPP regions
- To provide accredited training modules
- Target groups: **producers, installers, housing associations, municipalities and private owners**
- Accredited training will be carried out locally



Training

- Training will be carried out in 3 modules: Technical, Business, Social
- Trainees could choose one or more according to their needs
- Takes 1-2 days or 3-4 days, according to the different types of companies



Support

- To help the producers, installers and service bodies, and to the end users of the products and services
- To facilitate the application of NEES technologies inside and outside the NPP region.
- Support will be done through NEES website and database.



Training Template

- ARTEK will finish the template
- Each partner will fill in information according to different BPs (Best practice), CSs (case study), DPs (demonstration project) from different NPP regions.



Module A: Technical Issues

	Content	Duration
Theoretical introduction	Basic knowledge about climate change, energy efficiency in buildings, energy assessment, benefits of low energy buildings, environmental impact, LCA, etc.	2 -3 hrs
NEES Best Practices	<ul style="list-style-type: none"> ➤ Technical data and product performance (to be provided by producers) 	6 -10 hrs
	<ul style="list-style-type: none"> •LCA assessment •U-value •Airtightness •Environmental issues (ex. Embodied energy, CO₂ emissions, etc.) •Fire safety •Acoustical comfort •Maintenance requirement 	
	<ul style="list-style-type: none"> ➤ 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) 	
Demonstration Project	Videos showing the construction process, details, technical drawings, drawing of details, pictures, energy efficiency evaluation before and after retrofiting	3 -5 hrs



Module B: Business issues

- Business planning, governance, marketing, etc.
- For the trainees to know about the benefit they can get out of the training
- *Duration: 1 -3 hrs*



Module C: Social issues

- Fuel poverty, affordability, consultation and participation of social enterprise, etc.
- For the trainees to convince their clients and local municipalities
- *Duration: 1 -3 hrs*



Training

- 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...)



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.



Thanks!

