

**Promotion of smart and integrated NZEB renovation  
measures in the European renovation market  
(NeZeR)**Contract N°: IEE/13/763/ SI2.674877  
01-03-2014 – 28-02-2017**NeZeR Newsletter 6****February 2017**

Dear Receiver,

This is the last newsletter of IEE NeZeR-project (1.3.2014-28.2.2017), which has promoted the implementation of Nearly Zero Energy Building Renovation (NZEBR) measures with integrated renewable energy production in the European renovation market. All NeZeR newsletters are available in the project website [www.nezer-project.eu](http://www.nezer-project.eu). You can upload our reports in English from [www.nezer-project.eu/publications](http://www.nezer-project.eu/publications) and in Finnish/Swedish/Dutch/Romanian/Spanish from the national webpages.

Main results of NeZeR are:

- Criteria, technologies and good examples of Nearly Zero Energy Building Renovation (NZEBR)
- Advantages of NZEBR compared to traditional renovation
- City action plans to promote NZEBR and guidelines for city action plans
- National NZEBR roadmaps for main stakeholder groups
- Innovative design competitions increasing knowledge and producing market-ready NZEBR concepts

**Final NeZeR-achievements:**

*Finnish mini-symposium and study visit* were arranged in Espoo on November 22, 2016. The symposium presented main results of NeZeR by the leaders of different work packages. The presentations were taken into video and worked into a short result-oriented video presentation published in YouTube: <https://youtu.be/MAD7r-UpqGk> The symposium continued with a study visit at the Otaniemi campus area of



Aalto University. Architect Pauliina Skyttä presented the renovated Aalto University main building, now serving as the Undergraduate Centre and the renovated library building currently called as the Harald Herlin Learning Centre.

**Nearly Zero-Energy Renovation Design Competitions** arranged in all partner countries are presented in “*Report on the organisation, participation, and evaluation of the national contests*”. The competitions improved knowledge in the building chain and among institutional housing owners with respect to Near Zero Energy Building Renovation (NZEBR) through organizing a series of national design competitions for renovation of existing buildings. In each country the competition was organized in different way, in accordance with local challenges and possibilities. The report presents competition criteria, winning proposals from each country and lessons learnt from organization of the competitions. The report also gives advice for arranging future competitions for students or professionals.

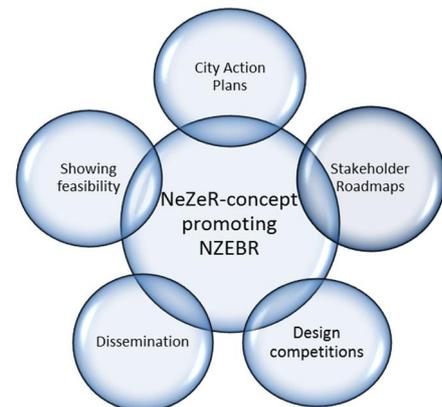


**NeZeR Stakeholder Roadmaps** facilitate the implementation of NZEBR taking into account the national technical, functional, and economic aspects. The national roadmaps provide recommendations on future actions for different stakeholders with special attention to the challenges and non-technological barriers identified for different Key Players. Roadmaps have been developed for all partner countries and they are translated into national languages.

	GAPS AND BARRIERS	ACTION ITEMS	IMPACT	INDICATOR
Government	Lack of continuity due to 4 yrs cycle	Make policies, adapt regulations, stimulate awareness	Long term perspective, stimulate all stakeholders	Energy demand and employment
Authorities	No comprehensive and independent information. Financial model.	National information center. Green loans.	Long-term renovation plans. Well informed building owners.	Valuation of properties with regard to energy demand
Municipal Decision Makers	Financial model. Other requirements outcompete NZEBR.	Increased cooperation between departments. Green loans.	NZEBR more profitable. more NZEBR in practice.	Municipal energy demand, satisfied tenants.
Architects, Designers and Consultants	Lack of holistic view and responsibility. No set of NZEBR. Poor supervision.	Harmonized calculations. Define NZEBR. Add resources for supervision.	Better end results, more NZEBR in practice.	More good examples, more NZEBR being built.
Larger property Owners (Municipal)	Financial model, not raise rents. Evaluation of tenants. Tax on RES.	Harmonized calculations. Accumulate capital >12M.	Better end results, more NZEBR in practice.	Lower energy demand. Satisfied tenants.
Construction Companies	Financial model, not raise rents. Evaluation of tenants. Tax on RES.	Streamline the Swedish model.	Holistic view of building economy.	More good examples, more NZEBR being built.
Tenants	Not interested in financing leaving for property owners.	Mutual financial incentives. Dialogue. Longterm investments.	New models for cooperation. More NZEBR.	Satisfied tenants and citizens. More NZEBR.

**Open exhibitions and final seminars:** All partner countries hosted national open exhibitions and final seminars presenting the main results of NeZeR. These events are presented in “*Reports of the common exhibitions in each country showing local successful renovation cases*” and “*Reports of the final seminars*”.

**NeZeR-concept promoting implementation of Nearly Zero-Energy Building Renovation** Based on the main findings and lessons learnt in NeZeR the project group has developed the NeZeR-concept: a comprehensive and co-creative procedure to promote country-specific implementation of Nearly Zero-Energy Building Renovation (NZEBR). The concept consists of showing the feasibility and best practises of NZEBR, making concrete actions with City Action Plans, overcoming barriers with Stakeholder Roadmaps, innovating with Design Competitions and dissemination.



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