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**Promotion of smart and integrated NZEB renovation
measures in the European renovation market
(NeZeR)**

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Reports of the stakeholder dissemination workshops

**12.4.2017
VTT**

Disclaimer

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1 EXECUTIVE SUMMARY

IEE NeZeR-project has a comprehensive and ambitious dissemination and awareness strategy promoting NZEBR and exchange of experiences through workshops, study visits, common exhibitions and seminars. By disseminating convincing information about the benefits of NZEBR specifically targeted to different groups of stakeholders NeZeR builds confidence and understanding in the market, essential for the market growth of NZEBR. The stakeholder analysis carried out in WP5 for identifying key target groups for NZEBR and deployment of RES provides input for target tailored educational activities in WP7.

Focused half day **dissemination workshops** have been organized in cooperation with the representatives of the national clusters for stakeholder groups identified in WP5.

The workshops have included presentations of the project results and gathered feedback from the stakeholders. The workshops also included discussions on the cities and housing companies' eventual excising renovation plans on how they need to be developed to reach NZEBR.

2 INTRODUCTION

2.1 Purpose and target group

The original dissemination workshop topic plan and timetable was following:

1. Technical solutions for energy reduced and renewable energy sources for optimal energy efficient renovation M9
2. Feasibility of NZEBR over traditional renovation M15
3. Relevant fiscal incentives and other control instruments for supporting NZEBR and successful business models for NZEB M22
4. National roadmaps for NZEBR and RES for different stakeholders M27
5. Workshops for city decision makers and representatives from other European cities presenting the final action plans and general guidelines for the creation of action plans in other cities across Europe

As there were already several other workshops in other WPs, these workshops could also be arranged by visiting existing networks of target groups and by visiting other cities and representing the completed action plans. This change was been suggested to the Project Officer in the dissemination and communication plan of the project.

The target groups of this report are other research projects arranging dissemination workshops for their target groups.

2.2 Contributions of partners

Each national section has been written by the respective partner(s) from that country.

3 FINLAND

3.1 Overall plan for the dissemination workshops

In Finland the dissemination workshops were aimed to be arranged in co-operation with other projects and relevant events.

3.2 Dissemination workshop 1 in Finland

The first dissemination workshop was arranged together with the Finnish Green Building Council presenting results from NeZeR and BuildUpon-project on 29.9.2016 at Osaamistehdas in Helsinki. Here Riikka Holopainen gave a presentation about barriers of NZEBR and suggestions for actions.

3.3 Dissemination workshop 2 in Finland

The second dissemination workshop was arranged together with InBee-project on 28.11. at VTT in Espoo. Here Sakari Pulakka gave a presentation about energy efficiency as a part of nearly zero-energy renovation “Energiatohokkuus osana lähes nollaenergiakorjaamista”.

3.4 Dissemination workshop 3 in Finland

The third workshop was arranged at 13.12.2016 at Rakennusfoorumi (Building forum) in co-operation with the Finnish Building Information Group RTS. RTS is the leading provider of construction information in Finland. Here two presentations of NeZeR results were presented: one presentation about Finnish stakeholder roadmaps by Riikka Holopainen and one presentation of city action plans by Jaakko Ketomäki and Tarja Häkkinen.

3.5 Dissemination workshop 4 in Finland

The fourth dissemination workshop was arranged for Helsinki city on 5.1. by Jaakko Ketomäki and Sakari Pulakka presenting NeZeR results about energy saving measures. Participants were from the Ministry of Education, the headmaster from Konala elementary school, and the renovation design group of the Konala school. The meeting resulted into a plan for energy saving measures for the Konala school.

3.6 Dissemination workshop 5 in Finland

The fifth dissemination workshop was arranged in connection of the Finnish Renovation fair at Wanha Satama in Helsinki on March 7, 2017. Here Riikka Holopainen gave a presentation about the possibilities of energy-efficient renovation.

4 SWEDEN

4.1 Overall plan for the dissemination workshops

Sweden combined the suggested seminar concepts to one seminar and do a tour in five cities in Sweden (Helsingborg, Göteborg, Östersund, Umeå and Stockholm). In that way the results from the project were wider spread and had a larger impact as they then have a comprehensive view over the different WP in one seminar and deliver it to different cities. The seminars were arranged in fall 2015 and in the beginning of the year 2016. The seminar in Stockholm was combined with an international conference in building sustainability in September 2016. The last seminar was held in Helsingborg the 11th of January 2017.

4.2 Dissemination workshop 1 in Sweden

The first dissemination workshop was held in Östersund in September 2015 at the Campus of the Technical University of Östersund and was organised together with the environmental strategist at the city of Östersund. Almost 20 persons attended the seminar and a few of them were students from the technical university. They found the results from the project interesting and we had a deeper discussion about the competition since we organised it for students at a university. They thought that it was a good idea they could use within the education at the university – how to learn about energy efficient renovation when using a real building in a competition and try to find out good and feasible renovation measures.

4.3 Dissemination workshop 2 in Sweden

The second seminar was in Gothenburg in February, 2016. It was organised together with the City of Gothenburg and there were around 20 persons attending the seminar. The municipality, real estate owners and a building organisation working with passive houses were represented. They found the seminar fruitful and there was an interesting discussion about cost benefits and how far you can go in energy efficient renovation and still be cost effective.

4.4 Dissemination workshop 3 in Sweden

The third seminar was held in Umeå, far up in the northern part of Sweden also in February 2016. It was organised in connection with the network for Sustainable Building and Maintenance and IVL. The seminar was attended by a mixture of real estate owners, consultants, architects and people from the municipality. At this seminar we had a deeper discussion about the LCC- and LCA-calculations. There were a lot of questions concerning the input data to the calculations.

4.5 Dissemination workshop 4 in Sweden

The fourth seminar was held within the international conference Building Sustainability 2016 With WorldGBC Congress the 18 – 19th of October that was held in Stockholm. Almost 900 delegates attended the conference that had a focus on sustainable building and city planning. The seminar about the NeZeR-project was attended by about 100 persons in a mixture of architects, consultants, city planners and real estate owners. There was a focus on profitability for deep renovation during the session.

4.6 Dissemination workshop 5 in Sweden

The fifth seminar was held in the south of Sweden, in Helsingborg the 11th of January 2017. The workshop was arranged together with Helsingborgshem, Helsingborg's largest real estate owners (owned by the municipality). About 30 persons in a mixture of architects, consultants, contractors and real estate owners participated. The workshop was focusing on what barriers for NZEBR that exists today and how to turn them in to possibilities. The participants very much appreciated the booklet of good examples of successful deep renovations.

5 NETHERLANDS

5.1 Overall plan for the dissemination workshops

In Netherlands the dissemination workshops were executed according to the table below:

Nr.	Name	Target group	Place	Date	By
1	Platform Sustainable owner associations	Owner associations, municipalities, consultants	Arnhem	16 January 2016	W/E
2	Workshop VVE010	House owners in MF buildings	Rotterdam	14 July 2016	Rotterdam
3	NOM overleg/ Versnelling 010/ G4	Owners, municipalities,	Rotterdam	10 October 2016	Rotterdam
4	Zero-on-the-Meter renovation workshop	City alderman	Amersfoort	28 October 2016	Amersfoort
5	'NeZeR for social housing associations'	Social Housing associatons	Utrecht	10 November 2016	W/E, Portaal
	'Eigen Huis' (National Fair)	Owners	Utrecht	7 -9 October 2016	Amersfoort

5.2 Dissemination workshop 1 in the Netherlands

The 1st NEZER dissemination workshop was held for group “Platform Sustainable House Owner Associations” in the city of Arnhem. At this meeting Mr. Kurstjens of W/E Consultants gave a presentation about the results of the Dutch design competition, which was especially relevant for this group as it targeted multifamily buildings.

5.3 Dissemination workshop 2 in the Netherlands

At 14 July 2016 a workshop was organized in Rotterdam by the association “VVE010”. This meeting was targeted at house owners living in multifamily buildings and the general subject was “Communication towards owners associations”. At the meeting Mrs. Oung of the City of Rotterdam presented the NEZER project and the NEZER design competition.

5.4 Dissemination workshop 3 in the Netherlands

The NEZER project was presented on 10 October 2016 in Rotterdam at a networking meeting of Zero-on-the-Meter dwellings for an audience of partner organisations in the Rotterdam area. Also Dura Vermeer, the winner of the NEZER design competition, gave a presentation about their renovation concept.

5.5 Dissemination workshop 4 in the Netherlands

At 28 October 2016 the NEZER project was presented by Mrs. Sparenburg of the city of Amersfoort at a workshop for aldermen in the province of Utrecht. The general subject of the workshop was “Zero-on-the-Meter” renovation. <https://www.033energie.nl/wethouders-op-nom-excursie/>



5.6 Dissemination workshop 5 in the Netherlands

At 10 November 2016 a workshop for social housing associations was held on the subject of “Renovation challenges for 2050”. The workshop was organized jointly by Portaal, W/E Consultants and Mr René van Genugten (NEZER Steering Committee member).

About 15 representatives from housing associations received presentations (a.o. others about NEZER project) and discussed the best way to address the challenge of achieving a net-zero housing stock in 2050.



5.7 Further dissemination activities

At 10 March an event about Zero-on-the-Meter dwellings targeted at private home owners was held in Amersfoort, <https://www.033energie.nl/het-nieuwe-wonen/>

Information material about Nezer was made available at the “Eigen Huis Beurs” (Own Home Fair) which was held 7-9 October in Utrecht. This Fair is primarily targeted at private home owners.

The Sustainable House Day which offered visits to several open houses, was held on 29 October 2016, also in the city of Amersfoort <https://www.033energie.nl/duurzame-huizendag/>

6 ROMANIA

6.1 Overall plan for the dissemination workshops

In Romania the dissemination workshops were executed according to following overall plan.

Nr.	Name	Target group	Place	Date	By
1.	NZEBR technical solutions for reducing energy use and RES implementation	Owner associations, Individual owner, local authorities, consultants, specialists	Timisoara, Exhibition Hall, Str. Victoriei no.5	20.01.2017	ISPE
2.	Feasibility of NZEBR over traditional renovation	Owner associations, Individual owner, local authorities, consultants, specialists	Timisoara, INCUBOXX Building, Calea Circumvalatiunii no.2-4	26.01.2017	ISPE
3.	Financial instruments for accelerating NZEBR	Owner associations, Individual owner, local authorities, consultants, specialists, Fund Managers	Timisoara, INCUBOXX Building, Calea Circumvalatiunii no.2-4	27.01.2017	ISPE
4.	Timisoara NZEBR Road Map and RES Deployment	Owner associations, Individual owner, local authorities, consultants, specialists	Timisoara, INCUBOXX Building, Calea Circumvalatiunii no.2-4	16.02.2017	ISPE
5.	NZEBR Action Plans in EU cities and Guidelines for action plans for partner cities	Owner associations, Individual owner, local authorities, consultants, specialists	Timisoara, INCUBOXX Building, Calea Circumvalatiunii no.2-4	17.02.2017	ISPE

6.2 Dissemination workshop 1 in Romania

The first dissemination workshop “*NZEBR technical solutions for reducing energy use and RES implementation*” was organized by ISPE on the 20.01.2017 in Timisoara. It was held the day after the opening of the exhibition „Towards Zero Energy Renovation”. The invitation sent to the target group by email was for all the NeZeR dissemination events held in the period 19.01.2017 – 20.02.2017.

The Agenda included:

- Mr. Cătălin Iapă, personal counselor to the Mayor of Timisoara / *The importance of the building energy efficiency renovation and acceleration of NZEBR for Timisoara;*
- Adriana Milandru, Daniela Ghinea / *NZEBR technical solutions for reducing energy use and RES implementation;*
- Ing. Cristian Motica / *Caparol, innovative products;*
- Dr.ing. Codrut Florut / *The Zeros Project;*
- Mr. M. Trambitas / *Technical solutions of URSA;*
- Ing. M. Gherman / *Home Energy Project;*
- Ing. M. Gherman, Rotex / *Energy efficiency heating system;*

- Ing. Gheoghe Mageriu, Thermomax / Innovative product for building envelope.
Over 30 participants were listed at this event.

PRIMĂRIA TIMIȘOARA
Consiliul Local
Timișoara

INVIȚAȚIE
Expoziția
RENOVARE ZER ZER ENERGIIE

SEMINEAR NeZeR
Vineri - 20 ianuarie 2017
Sala de Expoziție
Strada Victoriei nr. 5, Timișoara

PROGRAM
Soluții tehnice pentru reducerea consumului de energie și implementarea surselor regenerabile de energie

Nr. crt.	Numele participantului	Funcția	Adresa	Contact
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3	VALERIU STOIAN	Profesor	UPT	0356 200000
4	SILVIANA BRATA	Conf. dr. ing.	UPT	0356 200000
5	GHEOGHE MAGERIU	Ing.	Thermomax	0356 200000



6.3 Dissemination workshop 2 in Romania

The second dissemination workshop *Feasibility of NZEBR over traditional renovation* was organized by ISPE on the 26.01.2017 in Timisoara at INCUBOXX Building.

The Agenda included:

- Daniela Ghinea, Timisoara Municipality /NeZeR Project;
- Adriana Milandru, ISPE / NeZeR objectives & results;
- Adriana Milandru, ISPE / Feasibility of NZEBR over traditional renovation;
- Prof.dr.ing.Valeriu Stoian, UPT / Passive House – example of building energy efficiency;
- Conf.dr.eng.Silviana Brata, UPT / NZEBR today and tomorrow;
- Adriana Milandru, ISPE / NZEBR success cases.



Scărbăntoasa "Fezabilitatea renovării NZEB în comparație cu renovarea tradițională"

29 IANUARIE 2017
INCUBOXX Timișoara

PARTICIPANȚI

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3	DR. CRISTINA	ASDR	0239 500000	
4	VALERIA CRISTINA	ASDR	0239 500000	
5	CORINA ALINA	ALCANTAR	0239 500000	
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7	DR. RALUCA	UNIF	0239 500000	
8	DR. VICTORIA	UNIF	0239 500000	
9	DR. VICTORIA	UNIF	0239 500000	
10	DR. VICTORIA	UNIF	0239 500000	
11	DR. VICTORIA	UNIF	0239 500000	
12	DR. VICTORIA	UNIF	0239 500000	
13	DR. VICTORIA	UNIF	0239 500000	
14	DR. VICTORIA	UNIF	0239 500000	
15	DR. VICTORIA	UNIF	0239 500000	
16	DR. VICTORIA	UNIF	0239 500000	
17	DR. VICTORIA	UNIF	0239 500000	
18	DR. VICTORIA	UNIF	0239 500000	
19	DR. VICTORIA	UNIF	0239 500000	



6.4 Dissemination workshop 3 in Romania

The third workshop *Financial instruments for accelerating NZEBR* was organized by ISPE on the 27.01.2017 in Timisoara at INCUBOXX Building.

The Agenda included:

- Daniela Ghinea, Timisoara Municipality /NeZeR Project;
- Adriana Milandru, ISPE / *Financial instruments for accelerating NZEBR*;
- Silvia Stepanescu, Raluca Pirtea, ADR Vest / POR (Regional Operational Program) Support for energy efficiency in residential building;
- Adriana Milandru, ISPE / Green House classic – Green House Plus Programme;
- Vlad Stanciu, ROSENC Cluster / ESCO – financing system for residential building energy efficiency





NeZeR

Workshop: Sistemul Național de Distribuție și Transport pentru Distribuția de Energie Verde (NZEZR)

27 Ianuarie 2017

INCUBOXX Timisoara

Numar ordine	Tematica	Prezentator	Prezentare	Intervenții
1	Integrarea participativă	Daniela Ghinea	10:00-10:30	
2	Evaluarea economică	Adriana Milandru	10:30-11:00	
3	Sisteme și instrumente de finanțare	Adriana Milandru	11:00-11:30	
4	Exemple de dezvoltare	Adriana Milandru	11:30-12:00	
5	Integrarea participativă	Daniela Ghinea	12:00-12:30	
6	Integrarea participativă	Daniela Ghinea	12:30-13:00	
7	Integrarea participativă	Daniela Ghinea	13:00-13:30	
8	Integrarea participativă	Daniela Ghinea	13:30-14:00	
9	Integrarea participativă	Daniela Ghinea	14:00-14:30	
10	Integrarea participativă	Daniela Ghinea	14:30-15:00	
11	Integrarea participativă	Daniela Ghinea	15:00-15:30	
12	Integrarea participativă	Daniela Ghinea	15:30-16:00	
13	Integrarea participativă	Daniela Ghinea	16:00-16:30	
14	Integrarea participativă	Daniela Ghinea	16:30-17:00	
15	Integrarea participativă	Daniela Ghinea	17:00-17:30	
16	Integrarea participativă	Daniela Ghinea	17:30-18:00	
17	Integrarea participativă	Daniela Ghinea	18:00-18:30	
18	Integrarea participativă	Daniela Ghinea	18:30-19:00	
19	Integrarea participativă	Daniela Ghinea	19:00-19:30	
20	Integrarea participativă	Daniela Ghinea	19:30-20:00	
21	Integrarea participativă	Daniela Ghinea	20:00-20:30	
22	Integrarea participativă	Daniela Ghinea	20:30-21:00	
23	Integrarea participativă	Daniela Ghinea	21:00-21:30	
24	Integrarea participativă	Daniela Ghinea	21:30-22:00	
25	Integrarea participativă	Daniela Ghinea	22:00-22:30	
26	Integrarea participativă	Daniela Ghinea	22:30-23:00	
27	Integrarea participativă	Daniela Ghinea	23:00-23:30	
28	Integrarea participativă	Daniela Ghinea	23:30-24:00	
29	Integrarea participativă	Daniela Ghinea	24:00-24:30	
30	Integrarea participativă	Daniela Ghinea	24:30-25:00	

6.5 Dissemination workshop 4 in Romania

The fourth workshop “Timisoara NZEZR Road Map and RES Deployment” was organized by ISPE on the 16.02.2017 in Timisoara at INCUBOXX Building.

The Agenda included:

- Daniela Ghinea, Timisoara Municipality /NeZeR Project;
- Adriana Milandru, ISPE / Timisoara NZEZR Road Map and RES Deployment;
- Adriana Milandru, ISPE / Implementation and monitoring of the roadmap;
- Interactive section with the participation of all invitations for establishing the main elements;
- Adriana Milandru, ISPE / Examples of NZEZR Roadmaps and RES development in partner countries



6.6 Dissemination workshop 5 in Romania

The fifth workshop “NZEBR Action Plans in EU cities and Guidelines for action plans for partner cities” was organized by ISPE on the 17.02.2017 in Timisoara at INCUBOXX Building.

The Agenda included:

- Daniela Ghinea, Timisoara Municipality/NeZeR Project;
- Daniela Ghinea, Timisoara Municipality/Timisoara Action Plan for NZEBR;
- Floriana Stefan, Timisoara Municipality/General guidelines for the development of Action Plans for different cities;
- Adriana Milandru, ISPE/Examples of NZEBR Action Plans in partner countries.



NeZeR  

SEMINAR NeZeR
Vineri - 17 februarie 2017
Clădirea INCUBOXX
Calea Circumvalațiilor nr. 2-4, Timișoara

PROGRAM

Planul de Acțiune pentru renovarea NZEBR pentru orașe din UE și Ghidul general pentru realizarea de Planuri de Acțiune în diferite localități

9:30-10:00 Registrarea participanților

10:00-10:30 Deschiderea evenimentului și prezentarea Proiectului NeZeR

10:30-10:45 Planul de Acțiune pentru renovarea NZEBR pentru Timișoara

10:45-11:30 Ghidul general pentru realizarea de Planuri de Acțiune pentru diferite localități

11:30-12:00 Planul de Acțiune pentru renovarea NZEBR pentru orașe din UE

12:00-12:30 Lunch break

12:30-13:00 Ghidul general

13:00-13:30 Placări de prezentare

13:30-14:00 Vă mulțumim pentru participare!



NeZeR  

Planul de Acțiune pentru renovarea NZEBR pentru orașe din UE și Ghidul general pentru realizarea de Planuri de Acțiune în diferite localități
Vineri - 17 februarie 2017
INCUBOXX Timișoara

PARTICIPANȚI

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7 SPAIN

7.1 Overall plan for the dissemination workshops

After identifying key target groups for the dissemination and exhibition activities at the beginning of the dissemination activities, the dissemination workshops in Spain were aimed to be arranged in cooperation with other projects and relevant activities. The dissemination workshops were executed according to the following table.

Nr.	Date	Thematic	Place	By
1	16/09/15	Exploitation of innovative technologies towards NZEBR	Tecnalia	Tecnalia
2	19/05/16	New policies and grants for the energy retrofiting of buildings + Innovative products and new trends.	Tecnalia	Tecnalia EVE
3	17/11/16	Sustainable and energy retrofiting.	Asturias (Spain)	Esfer Tecnalia
4	14/02/17	Socioeconomic criteria in the segmentation of rehabilitation funds.	Visesa (Vitoria, Basque Country)	Tecnalia Visesa
5	14/03/17	Creation of energy-efficient Buildings Renovation Action Plans for cities: guideline and application cases.	Worldwide webinar	Tecnalia IVL City of Rotterdam VISESA

In the case of Spain, the dissemination activities celebrated have different formats and were aimed to be arranged in co-operation with other projects and relevant events.

7.2 Dissemination workshop 1 in Spain

The first dissemination workshop was organized by Tecnalia the 16th of September of 2015 together with the **A2PBEER** project. The workshop was celebrated on the offices of Tecnalia in Derio, Basque Country, Spain. The main objective of that workshop was to discuss about the exploitation of innovative technologies towards NZEBR. Innovative solutions are too expensive currently, and payback periods of the Near Zero Interventions are unjustifiable. New business models have to be developed in order to upscale the NZEBR interventions and in this way to reduce the prices of the innovative solutions.

7.3 Dissemination workshop 2 in Spain

The second seminar was held in Tecnalia the 19th of May of 2016. It was organised together with **EVE** (The Basque Energy Board) with the support of the Basque Government. The event was focused on Architects and Engineers, Construction Companies, Building Component Manufacturers, Policy Makers and Building Owners (private or public).

The main objective of that session was to make known new policies and grants for the energy retrofitting of buildings, and also to advertise about innovative products and new trends.

The session included a section aimed for discussing and share different points of view about the topics exposed.

7.4 Dissemination workshop 3 in Spain

The third dissemination workshop was arranged the 17th of November of 2017 together with the **A2PBEER** project. It was celebrated in Asturias (Spain). The leader of this event was **ESFER**, one of the most important construction companies in rehabilitation in the north of Spain.

The objective of this event was to present trends and innovations in relation to materials and construction systems by presenting solutions and examples where the possibilities of energy savings are demonstrated.

This event was a success regarding the number of attendants (250), including Researchers, Architects, Public Administration, Engineers, Property Administration Agents, Industry Agents, etc.

The session offered exchange knowledge about the advantages of improving the energy efficiency of existing buildings, both private as well as publics.

“NeZeR advantages booklet” in Spanish was distributed in the event.

7.5 Dissemination workshop 4 in Spain

The fourth dissemination workshop was held the 14th of February 2017 together with **Visesa** (the Basque Country Public Housing Corporation) in cooperation with the European research project **fosterREG**-Fostering public capacity to plan, finance and manage integrated urban REGeneration for sustainable energy uptake. The meeting took place at VISESA offices in Vitoria (Basque Country).

Main aspect to be debated on this meeting was: Socioeconomic criteria in the segmentation of rehabilitation funds.

34 people attended this workshop. Participants of this workshop were key agents in the design and definition of rehabilitation and urban regeneration funds schemes from different levels of the administration, from local to regional and from the energy sector as well as urban and housing departments.

The **participant’s conclusions** are summarized as follows:

Key Issues in the design of public funds depend on the political trend of the administration. They may be more industrially or economic orientated, social or environmental focus depending on the government priorities.

It has been proved that public funds for building rehabilitation achieve a great economic impact in the local administration economy (through taxes, construction works licenses, employment opportunities ...), but which are the benefits for the residents?

Public funds criteria could be designed according to the family incomes giving priority in each level to different issues. Building owners communities with higher incomes requesting

public funds may be evaluated according to environmental issues while those with lower incomes maybe evaluated according to social criteria. Public funds should be scalable according to the family incomes.

Rehabilitation should be performed in an integrated way but these processes are expensive and very long which discourages residents to address this type of works. Public funds should be adapted to rehabilitation works programs which would allow performing integrated rehabilitation little by little but with an EE objective and not a partial vision.

Implementation of rehabilitation processes and design of public fund is very difficult to match since political strategies vary according to the government in power. The complexity and paperwork of the fund application form should be reduce and simplified so they are more dynamic and accessible to residents.

D2.2. Booklet – “Success cases of Near Zero Energy Building Rehabilitation (NZEBR)” and “NeZeR advantages booklet” were handed to all the assistants.

7.6 Dissemination workshop 5 in Spain

The fifth dissemination workshop took place the 14th March 2017, based on the celebration of a webinar named “**Creation of energy-efficient Buildings Renovation Action Plans for cities: guideline and application cases**”. This webinar has been carried out together with the Copenhagen Centre on Energy Efficiency under the **SEA4ALL** initiative (<http://www.se4all.org/>).

SE4All initiative was lunched by United Nations Secretary-General Ban Ki-Moon in 2011 with the aim of doubling the rate of energy efficiency by 2030. SE4All includes so far Governments from 106 countries and the European Union, as well as UN agencies, Regional Development Banks, and other Multilateral Organizations.

One of the SE4All Flagship Programmes is the Global Energy Efficiency Accelerator Platform, addressing different sectors, including Buildings, namely through the Building Efficiency Accelerator (BEA - <http://www.se4all.org/energyefficiencyplatform/building-efficiency>). Energy Efficiency Retrofits Work Group is the Thematic Area of Building Efficiency Accelerator (BEA) focused on energy efficiency of building renovation in existing urban areas. The webinar was celebrated under this Work Group.

Maria Ahlm from IVL presented the methodology for elaboration of national roadmaps for energy efficient buildings renovation and a guideline for creation of buildings renovation action plans.

Oubbol Oung from the city of Rotterdam presented the Action Plan of the City of Rotterdam (Netherlands).

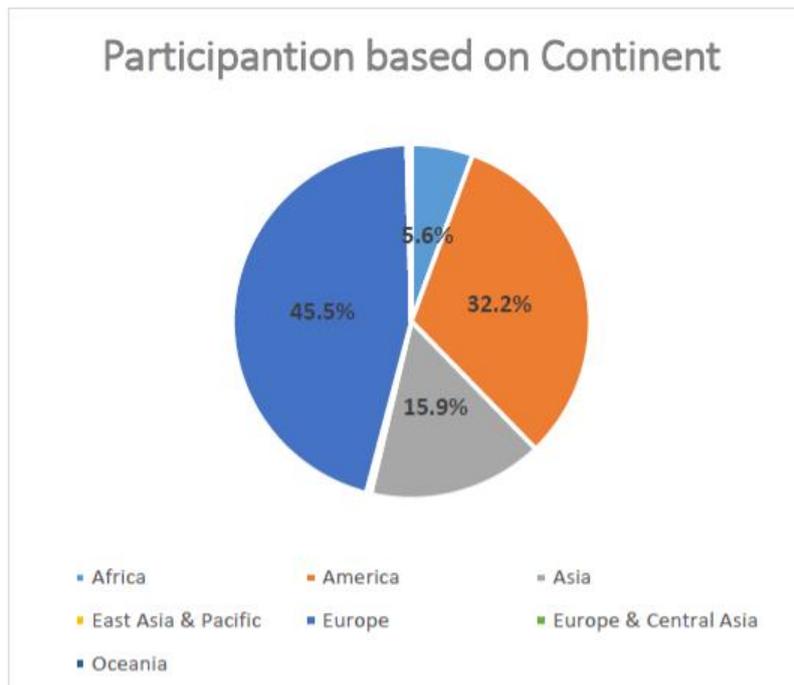
Patxi Hernandez from Visesa presented Energy Efficiency and Urban Regeneration experiences in the City of Vitoria (Spain)

The impact of this webinar has been very meaningful. Following table shows the attendees city list:

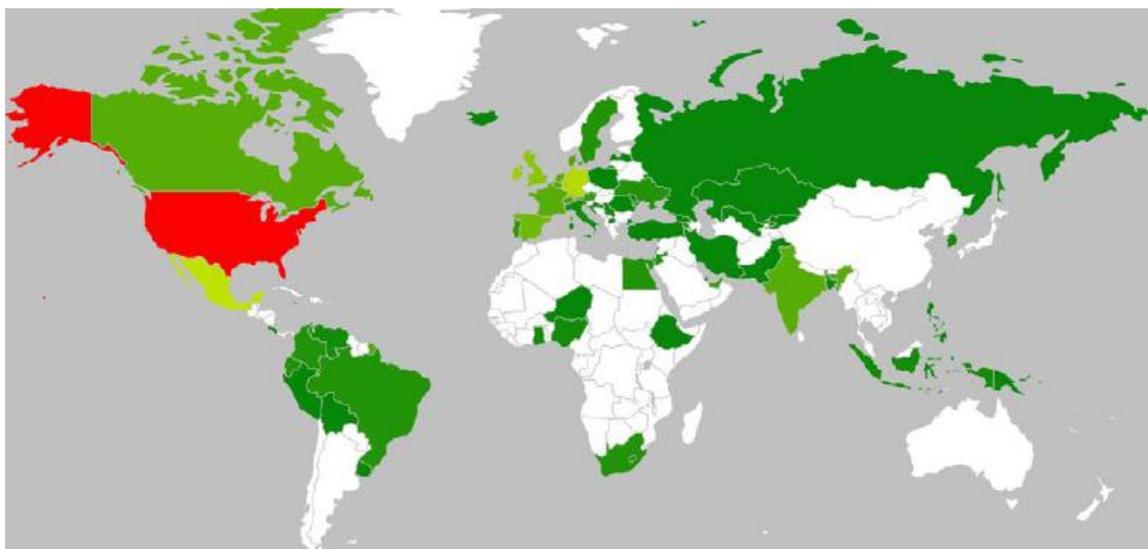
Attendees City List

Bonn	Germany
London	United Kingdom
Copenhagen	Denmark
Zaria	Nigeria
Warsaw	Poland
Miami Beach	United States
Beirut	Lebanon
Vienna	Austria
Arinaga - Agüimes	Spain
London	United Kingdom
Porto	Portugal
Bogotá	Colombia
Mt Hope	Trinidad and Tobago
Staten Island	United States
Pretoria	South Africa
Coromandel	Mauritius
Sonderborg	Denmark
Montreal	Canada
Copenhagen	Denmark
New York City	United States
Geneva	Switzerland
Quebec	Canada
Copenhagen	Denmark
Brussels	Belgium
CDMX	Mexico
Petah Tikva	Israel
México City	Mexico
Islamabad	Pakistan
San Miguel de Allende	Mexico
London	Denmark
Berlin	Germany
London	United Kingdom
New York	United States
Johannesburg	South Africa
Rome	Italy
Montreal	Canada

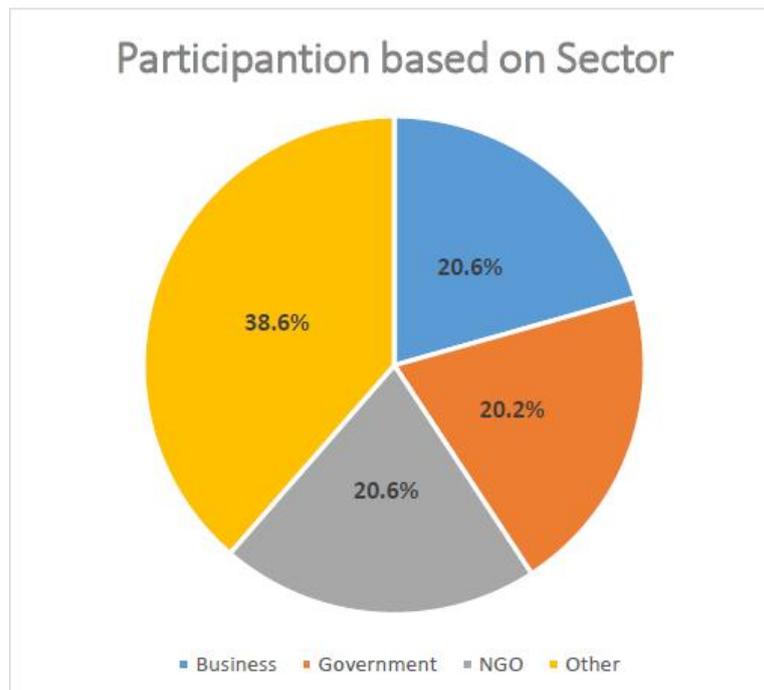
Washington	United States
Aveiro	Portugal
Mexico City	Mexico
Berlin	Germany
ABIDJAN	Cote d'Ivoire
Chennai	India
Milwaukee	United States
Washington, D.C.	United States
Berlin	Germany
México	Mexico
NEZAHUALCOYOTL	Mexico
Princes Town	Trinidad and Tobago
Derio	Spain
Mexico City	Mexico
Chaska	United States
Roma	Italy
London	United Kingdom
Dubai	United Arab Emirates
Quezon City	Philippines
Belgrade	Serbia
Sao Paulo	Brazil
College Park	United States
Cuernavaca	Mexico
Mexico	Mexico
Zagreb	Croatia
City of Miami Beach	United States
Ciudad de México	Mexico
Baltimore	United States
Washington	United States
Mexico	Mexico
City of Tshwane	South Africa
Mississauga	Canada
Washington, DC	United States
Belgrade	Serbia
Rio De Janeiro,	Brazil
Bilbao	Spain



Next figure shows the Country registration:



Red: High intensity / Orange & Yellow: Medium intensity
 Light green: Low intensity / Dark green: Extremely low / White: Zero



The recording and the presentations of this webinar are available in the Copenhagen's Centre Knowledge Management System: <http://kms.energyefficiencycentre.org/advanced-search/e-learning>.