

D6.6 Reports on National Workshops (8)



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Abstract	The current document shows information related to the National Workshops organized by the SMART4nZEB partnership in each country of the consortium – Romania, Poland, Serbia, and Slovenia.
Keywords	National Workshops, Dissemination, Networking

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1. REPORT 1 – FIRST NATIONAL WORKSHOP IN ROMANIA

1.1 General Details on the Event

The PRO-nZEB team organized, within the SMART4NZEB project, an online workshop to communicate and disseminate about project achievements and goals, and to facilitate an exchange of experiences between relevant actors in the fields of construction, energy efficiency and energy from renewable sources.



Strengthening clusters Management Activities and Running Trans-national for implementation of nearly Zero Energy Buildings



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Follow us on LinkedIn @SMART4nZEB

WORKSHOP NAȚIONAL

19 MAI 2021, 10:00 - 13:00, on-line

CONNECT LEARN SHARE

AGENDĂ EVENIMENT

10:00-10:10	Cuvânt deschidere (10')
10:10-10:50	Sesiune I – Prezentări din partea Clusterului pRO-nZEB (40')
	Prezentare I – Proiectul SMART4nZEB. (15')
	Andrei POPESCU (director proiect SMART4nZEB)
	Prezentare II – Stadiul implementării conceptului nZEB în România - Contribuția Clusterului pRO-nZEB - proiecte de referință, viziune (25')
	Dr. Ing. Horia PETRAN (președinte pRO-nZEB)
10:50-11:40	Sesiune II – Prezentări din partea membrilor pRO-nZEB (60')
	Prezentare I – Implementarea nZEB în România: probleme și rezolvări (25')
	Prof. Dr. Ing. Emilia-Cerna MLADIN (Președinte AAECR)
	Prezentare II – Integrarea surselor regenerabile și conștientizarea în privința conceptului nZEB (25')
	Timea FARKAS (Research Engineer din partea UTCN/Servelect)
11:40-11:50	Pauză 10 minute
11:50-12:50	Sesiune III – Sesiune de consultări; Întrebări și răspunsuri - direct și transmise în prealabil și / sau în chat (60')
12:50-13:00	Concluzii; Activități următoare în Proiectul SMART4nZEB; Închiderea atelierului de lucru (10')

Notă: Cei interesați să participe la acest eveniment pot completa formularul de participare ce poate fi găsit pe site-ul www.pro-nzeb.ro > Noutăți și Evenimente > "Workshop Național în cadrul proiectului SMART4NZEB – 19 mai 2021", urmând ca noi să revenim cu detalii legate de modul în care participanții se pot conecta la eveniment.

<https://www.pro-nzeb.ro/articol-pro-nzeb/workshop-national-in-cadrul-proiectului-smart4nzeb-19-mai-2021/>



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Figure 1. First National Workshop in Romania, Agenda (Romanian)

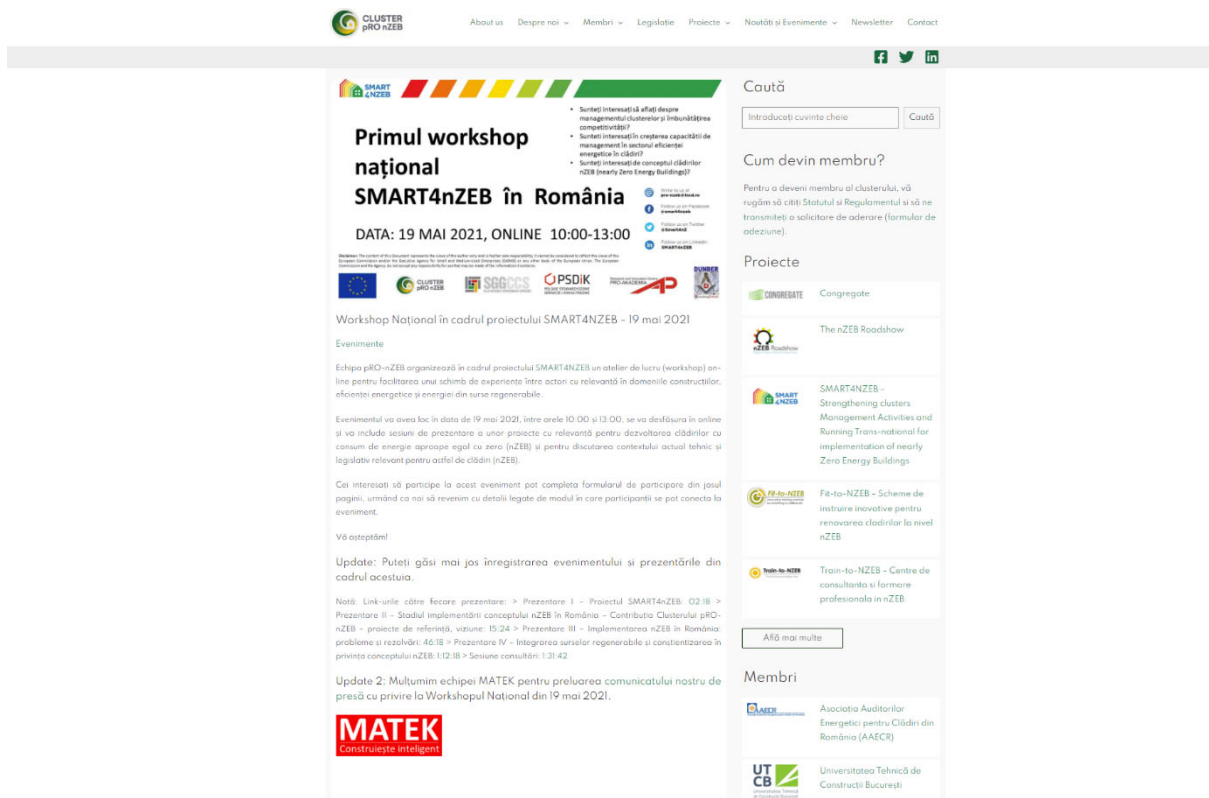


Figure 2. First National Workshop in Romania, Event Page on pro-nzeb.ro website (Romanian)

The event took place online, using the ZOOM platform, on the 19th of May 2021, between 10:00hrs and 13:00hrs Bucharest time, and included:

- Session I – presentations by pRO-nZEB, in which (i) the SMART4nZEB project and activities were presented to the attendees by the Project Director - Andrei Popescu, and (ii) projects that were, are currently, or will be, implemented by the pRO-nZEB Cluster and / or its partners, and are relevant for the nearly Zero Energy Buildings (nZEB) market, were presented by the pRO-nZEB President, Mr. Dr Eng. Horia Petran;
- Session II – presentations by pRO-nZEB members, in which other projects relevant for the nZEB market were disseminated by (i) Prof Dr Eng, Emilia-Cerna Mladin, president of the "Romanian Association of Energy Auditors for Buildings" (AAECR) and (ii) Timea Farkas, Research Engineer at the "Technical University of Cluj-Napoca" and "Servelect";
- Session III – consultations, in which the current technical and legislative context relevant to the nZEB market was openly discussed with all participants. This session included polls in which participants were asked by the pRO-nZEB team different questions related to the nZEB market, while professionals attending the event were able to ask the pRO-nZEB team different questions related to nZEB, or express their opinions on the matter of nZEB, through ZOOM chat or even verbally.

Full information on the agenda, presentations and the recording of the main sessions (Romanian language) can also be found by accessing the following link: <https://www.pro-nzeb.ro/articol-pro-nzeb/workshop-national-in-cadrul-proiectului-smart4nzeb-19-mai-2021/>

1.2 Images from the Event

Proiectul SMART4nZEB
 care sunt componentele principale?
 WP1 – Management
 WP2 – Analiza situației curente a Clusterelor și obținerea de Certificate de Excelență (ESCA)
 WP3 – Programe de Training
 WP4 – Strategii de inovare și Planuri de Acțiuni
 WP5 – Programul ClusterExchange
 WP6 – Comunicare și Diseminare

Studiu de caz: Renovarea unui centru comercial la nivel nZEB 2016-2020
 OUR BUILDING
 Suprafața încălzirii: 812,00 m²
 Suprafața răcirii: 812,00 m²
 Volumul încălzirii: 3461,12 m³
 Control: în 2006

Sistemul RE-COGNITION
 Al doilea nivel: platforma ITC, care încorporează Motorul de Management al Energiei, Autohatche Cognitive cu algoritmi de inteligență artificială (Automated Cognitive Energy Management Engine) împreună cu un Front-End Intelligent (Interfața și Instrumentul de Interacțiune) cu ajutorul cărui beneficiarii pot lua decizii cu privire la oportunitățile de a include surse de energie regenerabilă în modelul clădirii, precum și previziunea impactului pe care acestea îl vor avea asupra rădăcii.

Eficienta și sustenabilitate energetică pentru managerii energetici și specialiști în energie (in IMM-uri)
 ECTS distribution per Learning Units:
 LU1: Practical on-site Action (1 ECTS = 30h)
 LU2: Financing energy efficiency measures, tools and evaluation (0.5 ECTS = 15h)
 LU3: Energy Efficiency systems, measures & solutions. Energy Management opportunities (1 ECTS = 30h)
 LU4: Basis of Energy Services & Standards (1 ECTS = 30h)
 LU5: European and national policies and legislation for energy efficiency (1 ECTS = 15h)
 Mai multe informații: DECIDER

Figure 3. First National Workshop in Romania, images from the event (screenshots)

1.3 Promotion, Dissemination, and Reach

The first National Workshop organized under the SMART4nZEB project in Romania – 19 May 2021, brought, during the live sessions, more than 200 participants (including 129 participants representing SMEs or large companies; 18 from Research & Education Institutions; 10 from NGOs / Professionals Associations; 28 from Public Authorities; 20 experts in the construction, energy efficiency and energy from renewable sources sectors) from private and public organisations, active or having an interest in domains relevant for the nZEB market.

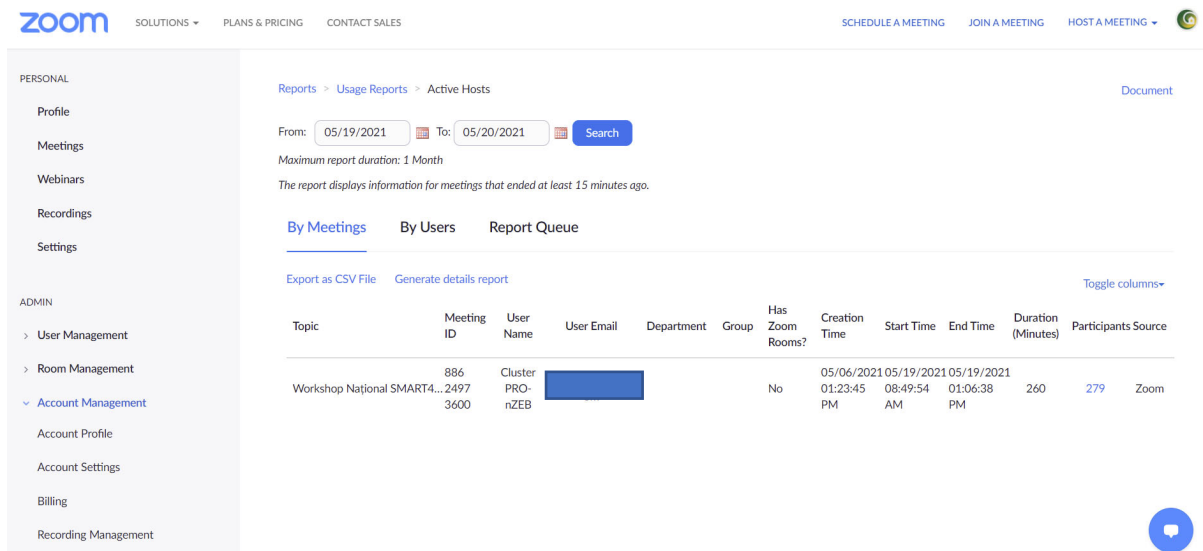


Figure 4. First National Workshop in Romania, Zoom usage report

In fact, 309 unique registrations were recorded on the pro-nzeb.ro website through a registration form, while on Facebook, 1418 people responded to the event and 53,397 people were reached by it on this social media platform alone. The event was also promoted on Twitter and LinkedIn. Apart from promoting the event on social media, direct invitations were issued to various stakeholders from public and private institutions. The project flyer was also provided in the e-mails submitted when inviting different stakeholders or when the ZOOM meeting details were provided to those who have officially registered on the pro-nzeb.ro website.

The National Workshop was also promoted on social media groups of professionals that are activating in sectors related to nearly Zero Energy Buildings and high-performance buildings in general.

In the end, all who registered (and not only) had access to the SMART4nZEB flyer, the recording of the event, and presentations given during the event – the recording of the event is available on youtube: <https://youtu.be/nXPQjx0Xzq4>

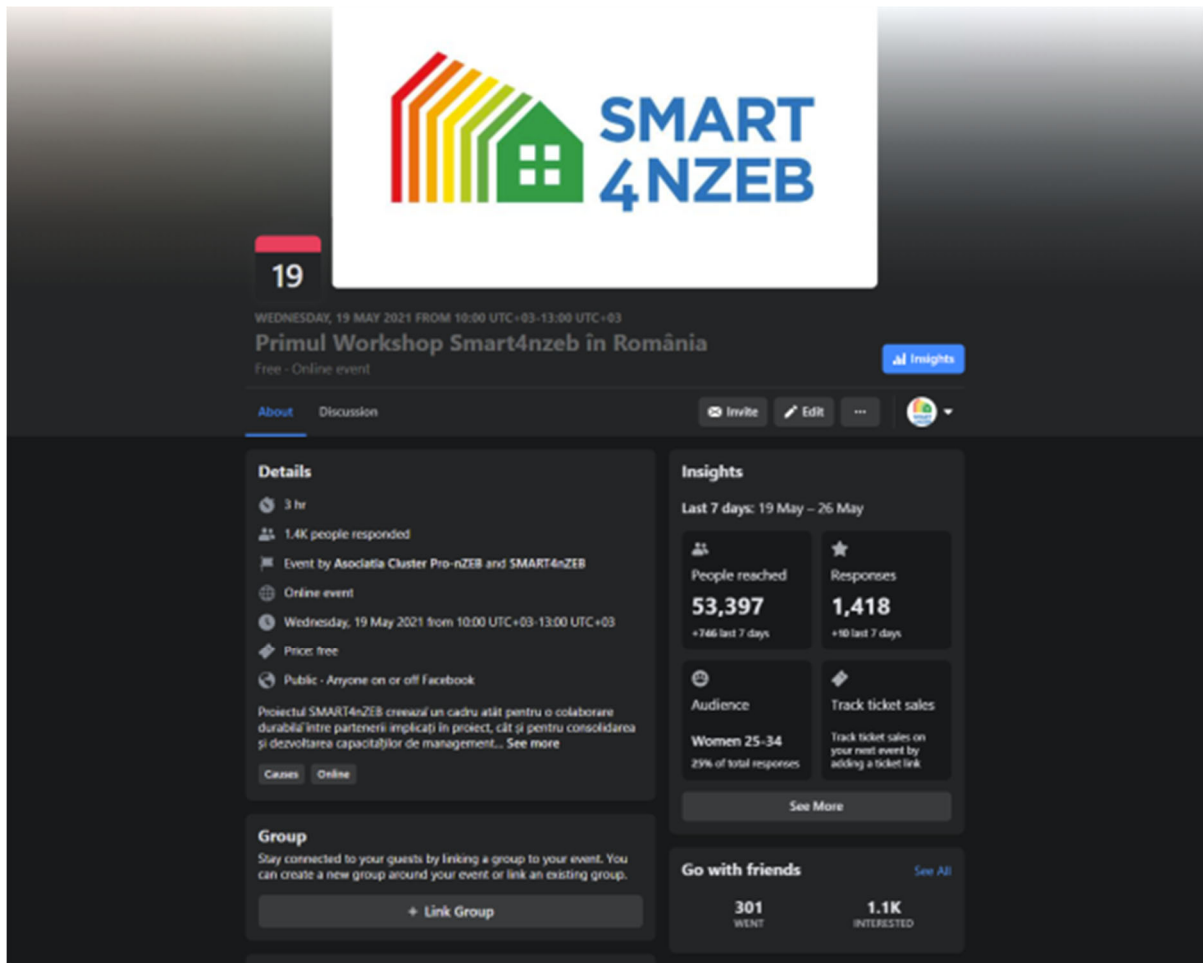


Figure 5. First National Workshop in Romania, Facebook event page insights

After the event, a press release was issued and published on <https://matek.ro/>

Link to the press release: <https://matek.ro/primul-workshop-national-in-cadrul-proiectului-smart4nzeb-organizat-de-cluster-pro-nzeb/>

Based on the information provided by those who registered for the event through the form available on the pro-nzeb.ro website, the following general distribution can be concluded regarding entities that reacted to the communication and dissemination activities:

No. of registrants	Organisations info
218 registrants from different businesses	Businesses (mainly SMEs, companies and freelance experts), active mainly, but not only, in: <ul style="list-style-type: none"> • construction industry • energy efficiency • research, development & innovation • education • other
30 registrants, from 8 Universities and 2 RDI Organisations	Research and Education <ul style="list-style-type: none"> • Technical University of Civil Engineering Bucharest • Technical University of Cluj-Napoca • "Gh Asachi" Technical University of Iași

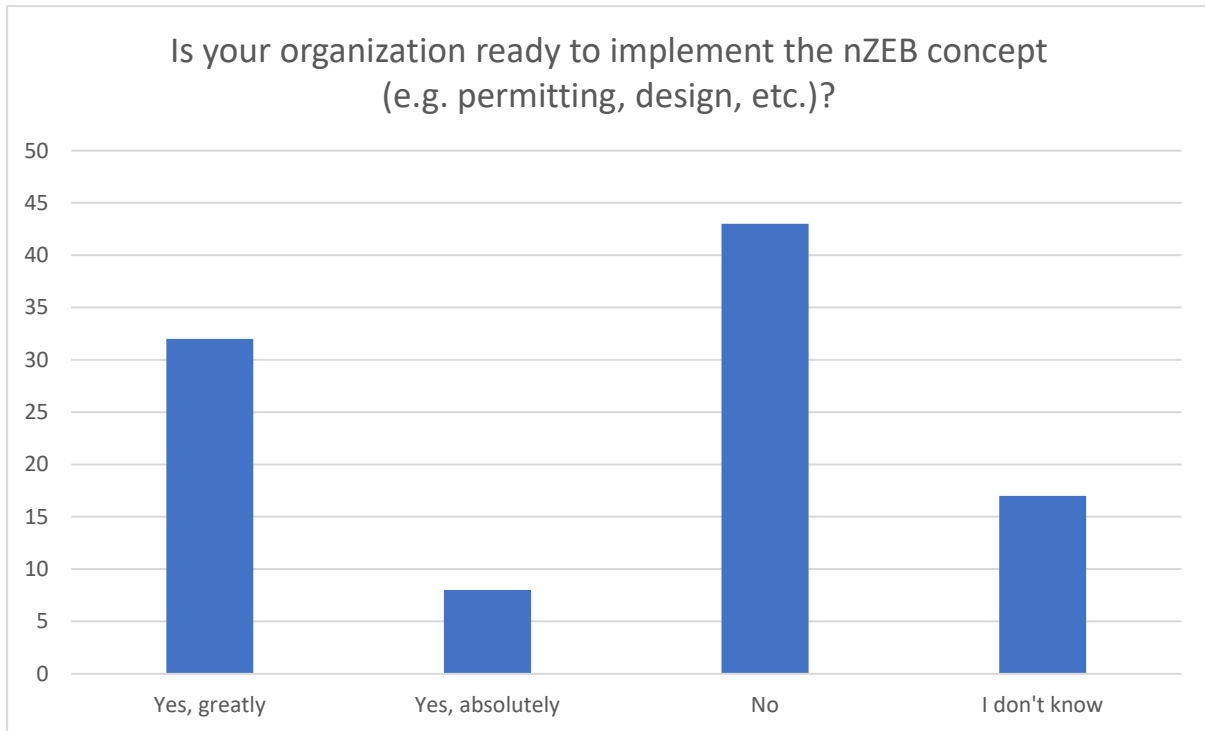
	<ul style="list-style-type: none"> • The Faculty of Civil Engineering and Building Services from Iași • “Ion Mincu” University of Architecture and Urban Planning • Technical University of Moldova • The Polytechnic University of Timisoara • Transylvania University of Brașov • Institute for Energy - Institutul de Energetică • BPIE – Buildings Performance Institute Europe • Students from other institutions, which were not mentioned in the registration form
48 registrants, from 5 Governmental Organisations, 32 County, Municipalities, and Townhalls Authorities	<p>Public Authorities</p> <p>National Agencies & Related (Governmental Organisations):</p> <ul style="list-style-type: none"> • Agency for Energy Efficiency • EUSDR • Sustainable Development Department of the Romanian Government • Regional Development Agency – ADR – North-East • Regional Development Agency – ADR – South-Muntenia <p>Public Authorities:</p> <ul style="list-style-type: none"> • Counties, Municipalities and Townhalls
13 registrants, from 10 NGOs	<p>Non-Governmental Organisations (Business networks & representative associations)</p> <ul style="list-style-type: none"> • AIDA – Association for Intercommunity Public Transportation in Romania • Romanian Banks Association • APMCR – Association of Construction Materials Producers in Romania • Association of Municipalities in Romania • ASRO – National Standardisation Body in Romania • CIROM – Patronage Organisation of Producers of Cement and other Mineral Products in Romania • ESCOROM – Association of Energy Service Organisations in Romania • HABITAT – League of Property Owners Associations • QETICS – “ETICS” Thermal Insulation Quality Group • RoGBC – Romania Green Building Council
<p>TOTAL</p> <p>309 registrants.</p>	

Table 1. First National Workshop in Romania, Registrants distribution by stakeholder category

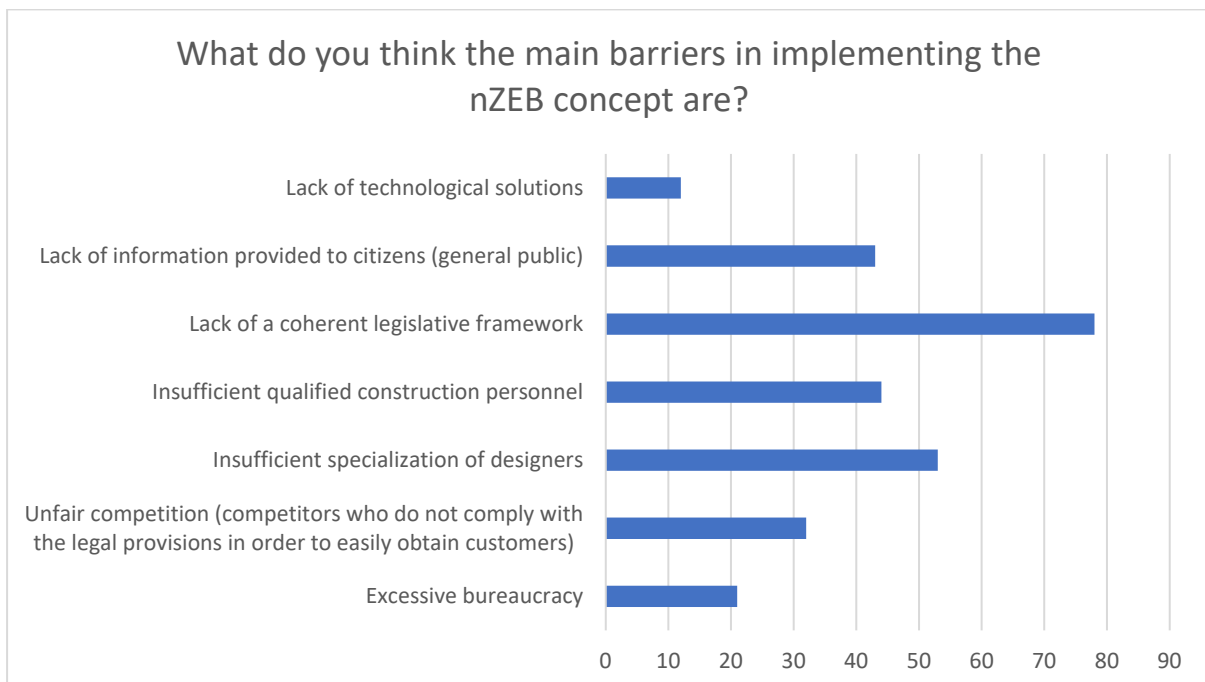
1.4 Conclusions

The first National Workshop in Romania was a great opportunity for organisations activating in nZEB related sectors to have access to technical and legal insights that emerge from the new provisions for nearly Zero Energy Buildings. Also, the event included a public consultations session when an effective interaction between different stakeholders was possible. Attendees were able to ask questions for which the pRO-nZEB team tried to find the best possible answers, while, on the other hand, the pRO-nZEB team conducted a survey among participants, by means of ZOOM polls, to find out more about the interests and challenges of the attendees, as follows.

The first question in poll (anonymous replies, single answer possible)



The second question in poll (anonymous replies, multiple answers possible – maximum 4 responses received)



The public consultations session provided insights on the challenges and opportunities related to the nZEB sector, as a short exercise of market exploration. This will play an important role in further developing the Strategy and Action Plan for the pRO-nZEB cluster, and the outcome of this session proves that there is a lot of work to be done in all sectors related to the domain of high-performance buildings, on all sides – public authorities have to improve the legal framework and assure the rule of law (e.g. relates to unfair competition issues repeatedly posed by different organizations), while businesses need a more consistent approach in training their own personnel for a higher market competitiveness and readiness in view of new requirements for nearly Zero Energy Buildings.

Overall, the first National Workshop was a successful event, which brought many experts from many different organizations to discuss, among other, about best practices in the field of nZEB, projects, achievements, challenges, solutions to issues that are being face and opportunities for SMEs.

2. REPORT 2 – SECOND NATIONAL WORKSHOP IN ROMANIA

2.1 General Details on the Event

The pRO-nZEB team organized, within the SMART4NZEB project, a second online workshop to promote project activities, achievements and goals, and facilitate an exchange of experiences between relevant actors in the fields of construction, energy efficiency and energy from renewable sources.



**Strengthening clusters
Management
Activities and
Running
Trans-national for
implementation of
nearly Zero Energy
Buildings**



**SMART
4NZEB**

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WORKSHOP NAȚIONAL

11 noiembrie 2021, 14:00-17:00, on-line

CONNECT LEARN SHARE

AGENDĂ EVENIMENT

14:00-14:10	Cuvânt deschidere (10')
14:10-14:50	Sesiune I – Prezentări din partea Clusterului pRO-nZEB (40')
	Prezentare I – Proiectul SMART4nZEB. (15') Andrei Popescu (director proiect SMART4nZEB)
	Prezentare II – Stadiul implementării conceptului nZEB în România - Contribuția Clusterului pRO-nZEB - proiecte de referință, viziune (25') Dr. Ing. Horia Petran (președinte pRO-nZEB)
14:50-15:50	Sesiune II – Prezentări din partea invitaților (60')
	Prezentare I – Școli la standarde nZEB în sectorul 6, primul proiect pilot dezvoltat de o autoritate publică locală (30') Raluca Teodosiu (TUD Group) Lucian Dubălaru (Primăria Sectorului 6)
	Prezentare II – Studii de caz - implementare concept nZEB (30') Ancuța Măgurean (UTCN / AAECR)
15:50-16:00	Pauză 10 minute
16:00-16:50	Sesiune III – Sesiune de consultări; Întrebări și răspunsuri - direct și transmise în prealabil și / sau în chat (50')
16:50-17:00	Concluzii; Activități următoare în Proiectul SMART4nZEB; Închiderea atelierului de lucru (10')

Notă: Cei interesați să participe la acest eveniment pot completa formularul de participare ce poate fi găsit pe site-ul www.pro-nzeb.ro > Noutăți și Evenimente > "Workshop Național în cadrul proiectului SMART4NZEB – 11 noiembrie 2021", urmând ca noi să revenim cu detalii legate de modul în care participanții se pot conecta la eveniment.

<https://www.pro-nzeb.ro/articol-pro-nzeb/workshop-national-in-cadrul-proiectului-smart4nzeb-11-noiembrie-2021/>



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Figure 1. Second National Workshop in Romania, Agenda (Romanian)



Figure 2. Second National Workshop in Romania, Event Page on pro-nzeb.ro website (Romanian)

The event took place online, using the ZOOM platform, on the 11th of November 2021, between 14:00hrs and 17:00hrs Bucharest time, and included:

- Session I – presentations by pRO-nZEB, in which (i) the SMART4nZEB project and activities were presented to the attendees by the Project Director - Andrei Popescu, and (ii) projects that were, are currently, or will be, implemented by the pRO-nZEB Cluster and / or its partners, and are relevant for the nearly Zero Energy Buildings (nZEB) market, were presented by the pRO-nZEB President, Mr. Dr Eng. Horia Petran;
- Session II – presentations by speakers, in which several best practice examples in the field of nZEB were presented by (i) Ms. Raluca Teodosiu, from TUD Group and Mr. Lucian Dubălaru from Bucharest’s District 5 – pilot projects related to schools rehabilitated / designed at nZEB levels and (ii) Ms. Ancuța Măgurean, from Technical University of Cluj-Napoca (UTCN) and “Romanian Association of Energy Auditors for Buildings” (AAECR) - ;
- Session III – consultations, in which the current technical and legislative context relevant to the nZEB market was openly discussed with all participants. This session included polls in which participants were asked by the pRO-nZEB team different questions related to the nZEB market, while professionals attending the event were able to ask the pRO-nZEB team different questions related to nZEB, or express their opinions on the matter of nZEB, through ZOOM chat or even verbally.

Full information on the agenda, presentations and the recording of the main sessions (Romanian language) can also be found by accessing the following link: <https://www.pro-nzeb.ro/articol-pro-nzeb/workshop-national-in-cadrul-proiectului-smart4nzeb-11-noiembrie-2021/>

2.2 Images from the Event



Figure 3. Second National Workshop in Romania, images from the event (screenshots)

2.3 Promotion, Dissemination, and Reach

The second National Workshop organized under the SMART4nZEB project in Romania – 11 November 2021, brought more than 150 participants from private and public organisations, including some freelancers active in domains relevant to the nZEB market.

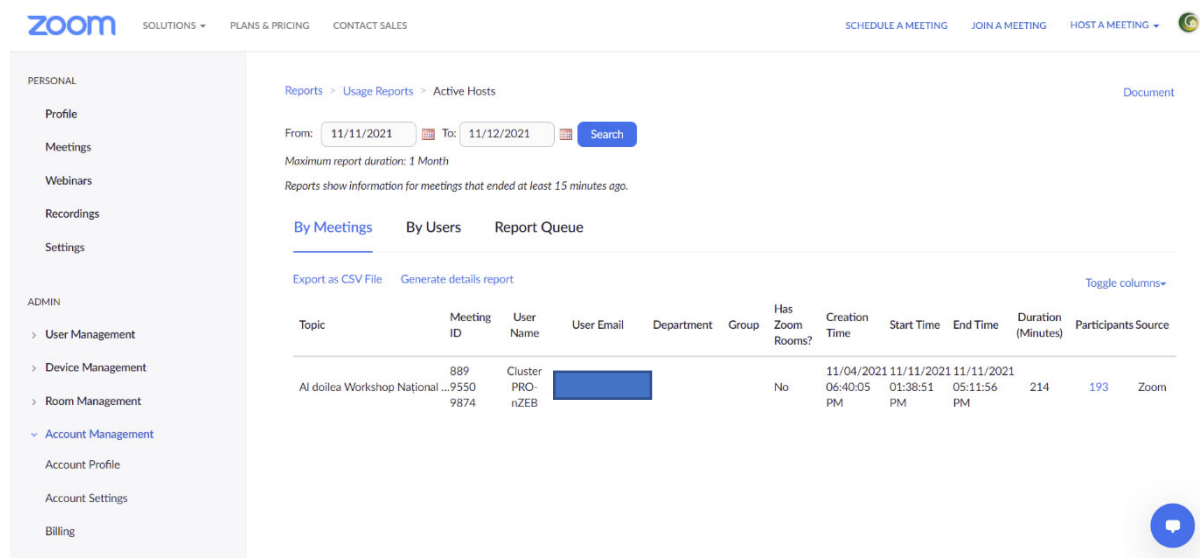


Figure 4. Second National Workshop in Romania, Zoom usage report

Even if 124 unique registrations were made on the pro-nzeb.ro website, more than 150 people participated in the event, given the fact that the link to Zoom was made public on social media and on the pro-nzeb website. On Facebook, 237 people responded to the event and 10,345 people were reached by it on this social media platform alone. The event was also promoted on Twitter and LinkedIn. Apart from promoting the event on social media, direct invitations were issued to various stakeholders through the newsletter system, reaching 276 stakeholders, among which 5 central public authorities (Ministries: Economy, Regional Development, Energy, Environment, The Environment Fund Administration), 8 regional development agencies, 121 local public authorities (counties and townhalls), 22 business networks and representative associations, 14 research & education institutions, and 62 companies (other than SMEs).

The second National Workshop was also promoted on social media groups of professionals that are activating in sectors related to nearly Zero Energy Buildings and high-performance buildings in general.

The recording of the event is available on youtube: <https://youtu.be/7zA74udlko8>

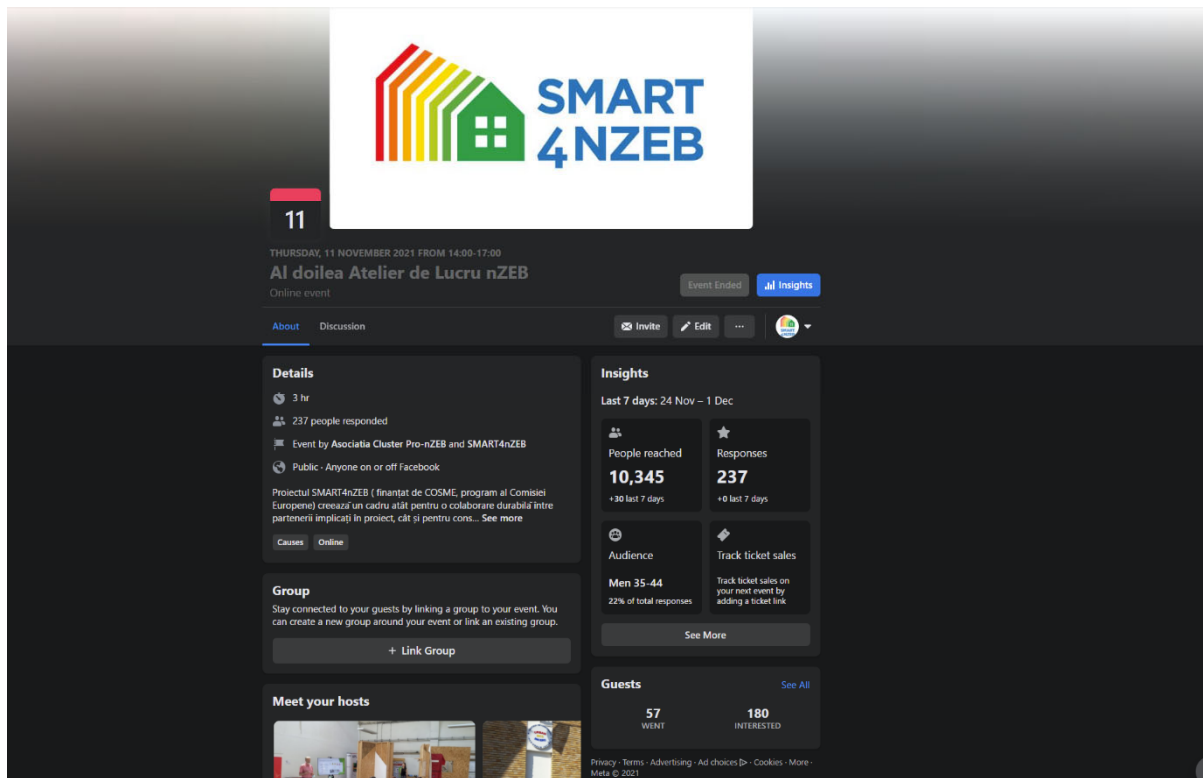


Figure 5. Second National Workshop in Romania, Facebook event page insights

Based on the information provided by those who registered for the event on the pro-nzeb.ro website, the following general distribution can be concluded regarding entities that have reacted to the communication and dissemination efforts:

No. of registrants	Organisations info
84 registrants from different businesses	Businesses (mainly SMEs, companies and freelance experts), active mainly, but not only, in: <ul style="list-style-type: none"> ● construction industry ● energy efficiency ● research, development & innovation ● education ● other
15 registrants, from 6 Universities	Research and Education <ul style="list-style-type: none"> ● Technical University of Civil Engineering Bucharest ● Technical University of Cluj-Napoca ● "Gh Asachi" Technical University of Iași ● "Ion Mincu" University of Architecture and Urban Planning ● Technical University of Moldova ● The Polytechnic University of Timisoara
18 registrants from Public Authorities	Public Authorities (local) <ul style="list-style-type: none"> ● Botoșani ● Râmnicu Vâlcea ● Bistrița ● Valea Doftanei ● Zalău ● Arad

	<ul style="list-style-type: none"> ● Tulcea ● Jud. Alba ● District 6 of Bucharest <p>Regional Development Agencies</p> <ul style="list-style-type: none"> ● ADR SV Oltenia ● ADR NE
7 registrants, from 5 NGOs	<p>Non-Governmental Organisations (Business networks & representative associations)</p> <ul style="list-style-type: none"> ● CIROM – Patronage Organisation of Producers of Cement and other Mineral Products in Romania ● QETICS – “ETICS” Thermal Insulation Quality Group ● RoGBC – Romania Green Building Council ● AIIR – ASSOCIATION OF INSTALLATION ENGINEERS FROM ROMANIA ● AAECR – ASSOCIATION OF BUILDING ENERGY AUDITORS FROM ROMANIA
<p>TOTAL 124 registrants.</p>	

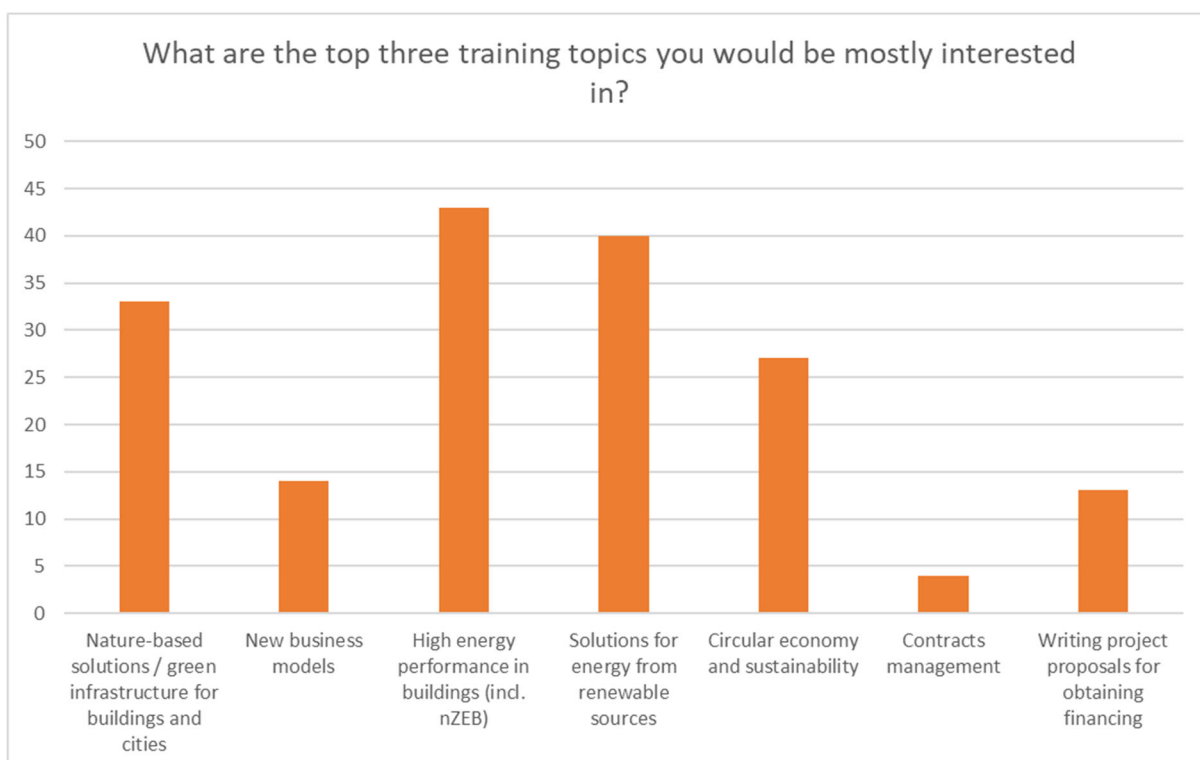
2.4 Conclusions

The second National Workshop in Romania was a great opportunity for organisations activating in nZEB related sectors to have access to several best practices examples related to nearly Zero Energy Buildings projects. Also, as the event included a public consultations session when an effective interaction between different experts was possible. Attendees were able to ask questions for which the pRO-nZEB team and invited speakers tried to find the best possible answers, while, on the other hand, the pRO-nZEB team conducted a survey among participants, by means of ZOOM polls, to find out more about the interests and challenges of the attendees, as is further presented.

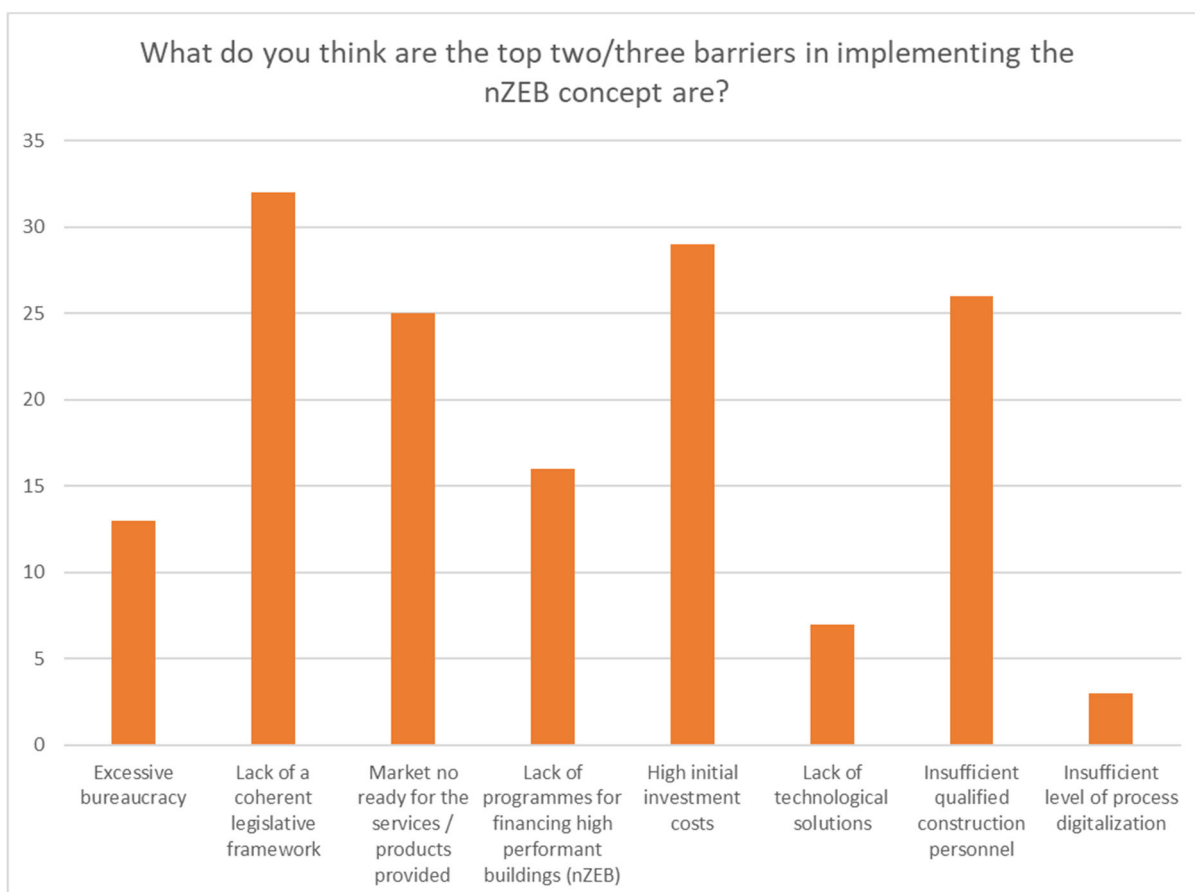
1. Is your organization ready to implement the nZEB concept (e.g., permitting, design etc.)?	
Yes, totally	8
Yes, greatly	24
No	18
I don't know	8
Total	58 respondents



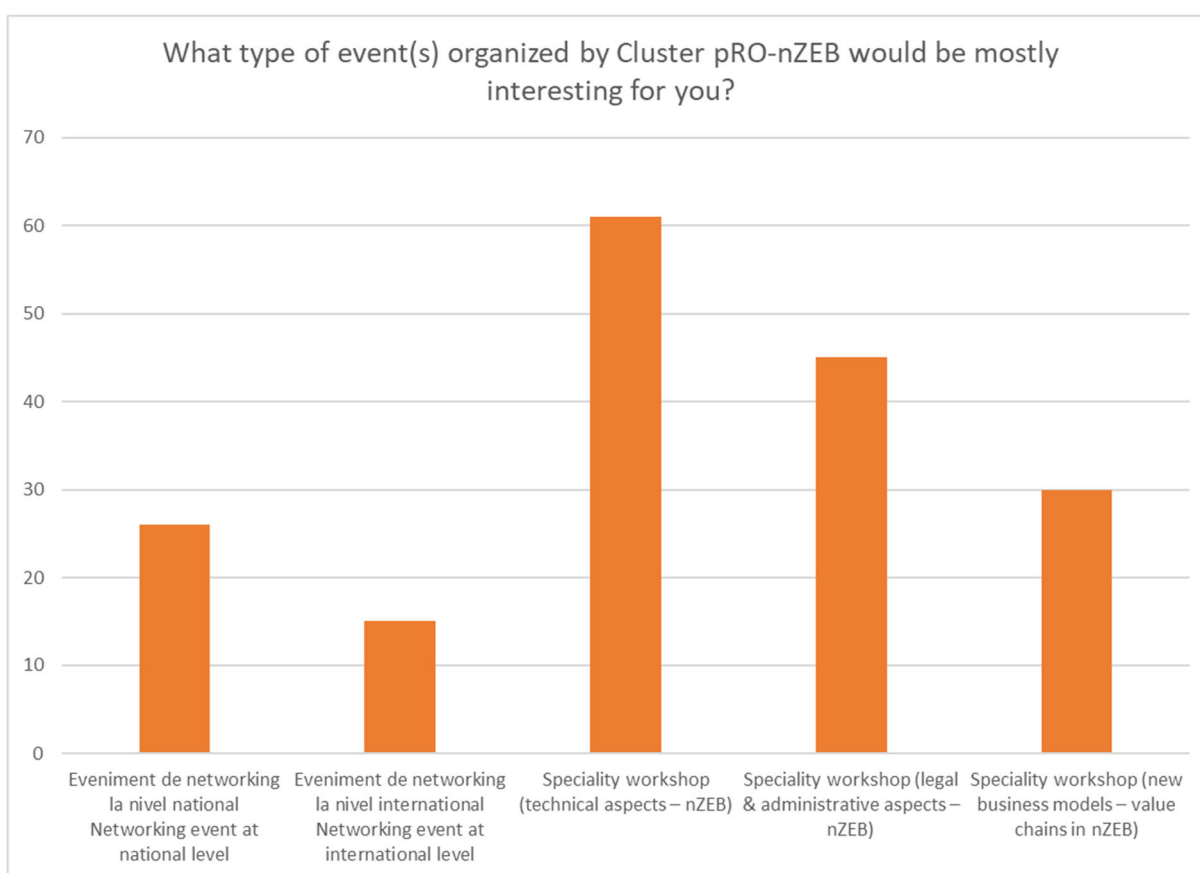
2. What are the top three training topics you would be mostly interested in?	
Nature-based solutions / green infrastructure for buildings and cities	33
New business models	14
High energy performance in buildings (incl. nZEB)	43
Solutions for energy from renewable sources	40
Circular economy and sustainability	27
Contracts management	4
Writing project proposals for obtaining financing	13
Total	56 respondents



3. What do you think are the top two/three barriers in implementing the nZEB concept are?	
Excessive bureaucracy	13
Lack of a coherent legislative framework	32
Market no ready for the services / products provided	25
Lack of programmes for financing high performant buildings (nZEB)	16
High initial investment costs	29
Lack of technological solutions	7
Insufficient qualified construction personnel	26
Insufficient level of process digitalization	3
Unfair competition (competitors who do not comply with the legal provisions in order to easily obtain customers)	19
Total	53 respondents



4. What type of event(s) organized by Cluster pRO-nZEB would be mostly interesting for you?	
Eveniment de networking la nivel national Networking event at national level	26
Eveniment de networking la nivel international Networking event at international level	15
Speciality workshop (technical aspects – nZEB)	61
Speciality workshop (legal & administrative aspects – nZEB)	45
Speciality workshop (new business models – value chains in nZEB)	30
Total	69 respondents



The public consultations session provided insights on the challenges and opportunities related to the nZEB sector, as a short exercise of market exploration. This will play an important role in further developing the Strategy and Action Plan for the pRO-nZEB cluster, and the outcome of this session proves that there is a lot of work to be done in all sectors related to the domain of high-performance buildings, on all sides – public authorities have to improve the legal framework and assure that the law is applied (e.g. relates to unfair competition issues repeatedly posed by different organizations), while businesses need a more consistent approach in training their own personnel for a higher market competitiveness and readiness in view of new requirements for nearly Zero Energy Buildings.

Overall, the second National Workshop was a successful event, which brought many experts from many different organizations to share best practices and discuss about projects, achievements, challenges, and opportunities related to the nZEB market.

3. REPORT 3 – FIRST NATIONAL WORKSHOP IN POLAND

3.1 General Details on the Event

The RIC Pro-Akademia team organized, within the SMART4NZEB project, an online workshop to promote the nZEB concept and solutions of Polish institutions that support the improvement of energy efficiency in the building sector.

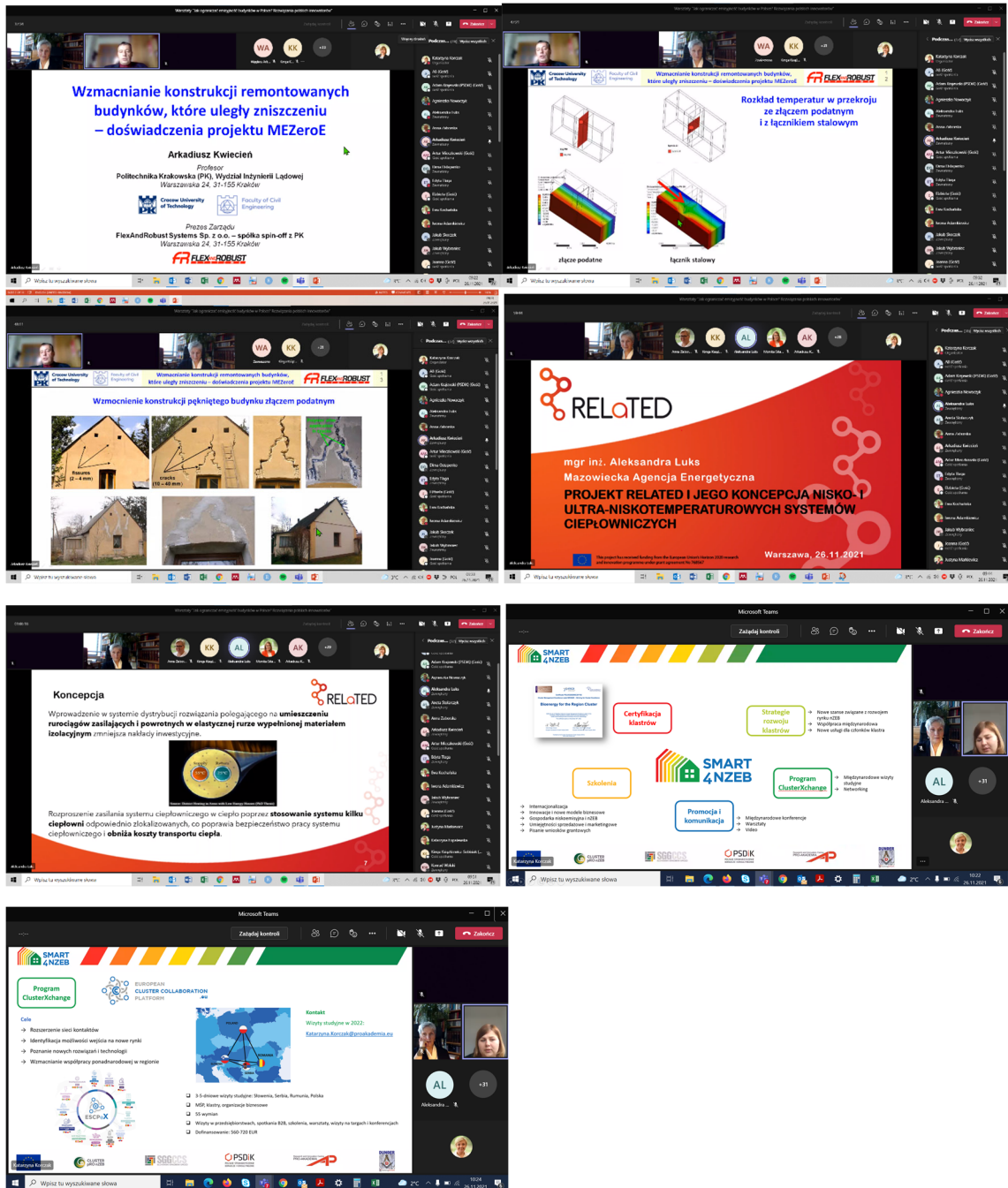
The event took place online, using the Microsoft Teams platform, on the 26th of November 2021, between 9:00 and 11:00 CET. The event was held in Polish. The following agenda was used:

Start	End	Who	What
09:00	09:05	Ewa Kočańska, PhD Research and Innovation Centre Pro-Akademia	Welcome
09:05	09:15	Arkadiusz Węglarz, PhD Warsaw University of Technology	The current emission level of the buildings sector in Poland - challenges and opportunities
09:15	09:40	prof. Arkadiusz Kwiecień, Cracow University of Technology / FlexAndRobust Systems	Strengthening the structures of damaged buildings under renovation - the MEZeroE project experiences
09:40	10:05	Aleksandra Luks, Mazovia Energy Agency	Low-temperature heat sources in the modernized distributed heating systems - experiences of the RLaTED project
10:05	10:30	Katarzyna Korczak, Research and Innovation Centre Pro-Akademia	International cooperation of clusters for nearly zero-energy buildings - experiences of the SMART4NZEB project
10:30	11:00	Moderator: Ewa Kočańska, PhD Research and Innovation Centre Pro-Akademia	Panel discussion: How to reduce the emissivity of buildings in Poland? How can the solutions of the Polish innovators help?

Figure 1 Agenda of the first national workshop in Poland

3.2 Images from the Event

Figure 2 Print screens taken during the workshop



3.3 Promotion, Dissemination, and Reach

The first National Workshop organized under the SMART4nZEB project in Poland – 26 November 2021, brought 43 participants representing SMEs, public authorities, business networks and research and education institutions.

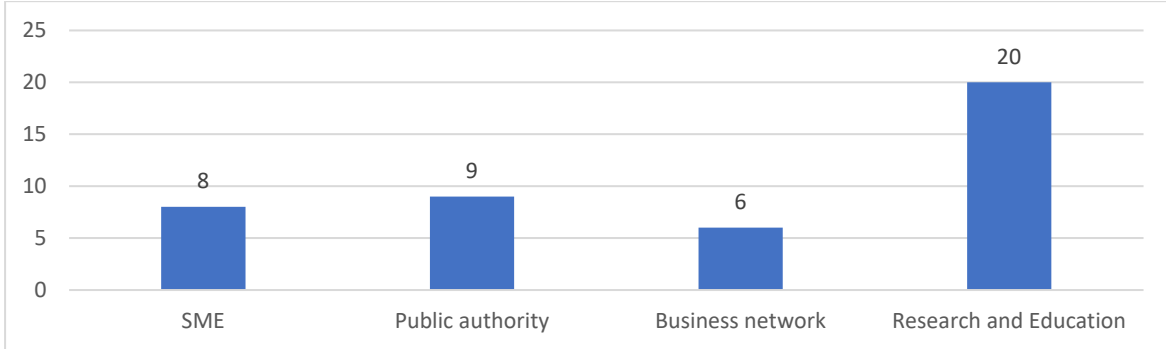


Figure 3 Distribution of participants across institution types

In fact, 50 unique registrations were made on the RIC website. The event was promoted mainly through a newsletter, which was sent to 2893 recipients. The invitation to the workshop was also put on the main site on the RIC website and on the LinkedIn profile. Additionally, some stakeholders were invited through direct contact. To take part in the workshop, a prior registration was required. All registered stakeholders received as a response, a few days before the event, a link to the meeting. Additionally, 30 minutes before the event started the reminder was sent.

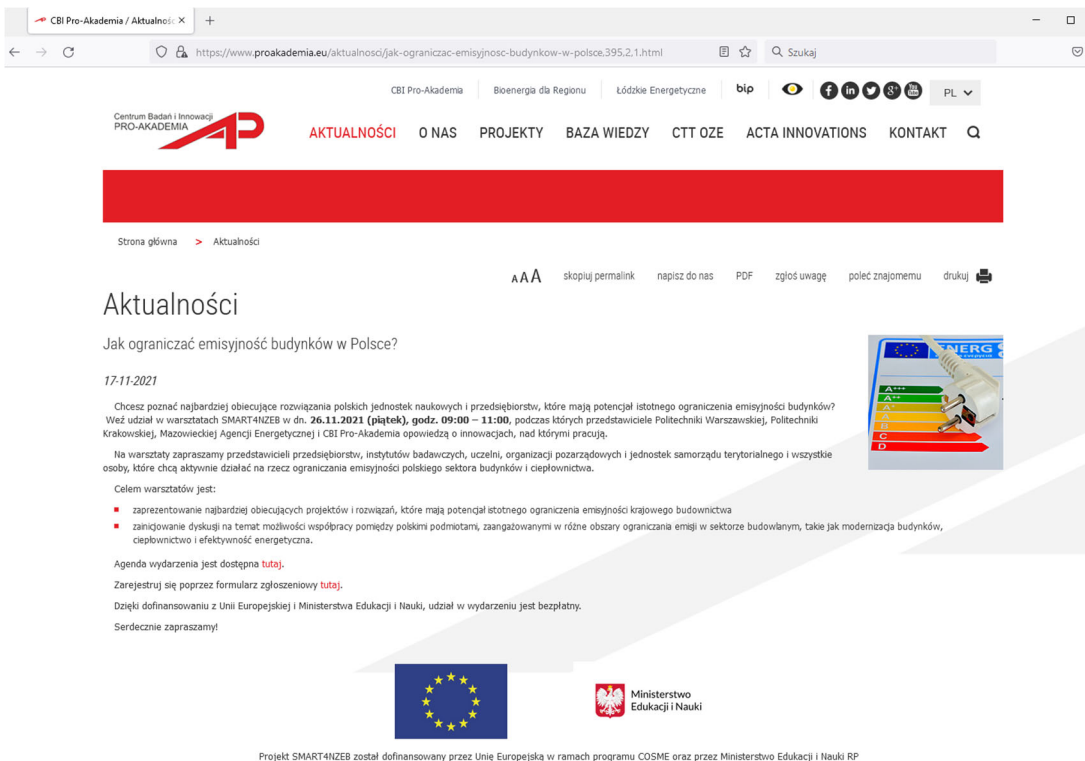


Figure 4 Information about the workshop on RIC's website




Warsztat krajowy SMART4NZE w Polsce:

Jak ograniczać emisyjność budynków w Polsce? Rozwiązania polskich innowatorów

26.11.2021, 09:00-11:00, online

Start	Koniec	Prelegent	Temat
09:00	09:05	dr Ewa Kochańska, Centrum Badań i Innowacji Pro-Akademia	Powitanie
09:05	09:15	dr inż. Arkadiusz Węglarz, Politechnika Warszawska	Aktualny stan emisyjności sektora budynków w Polsce – wyzwania i szanse
09:15	09:40	prof. dr hab. inż. Arkadiusz Kwiecień, Politechnika Krakowska / FlexAndRobust Systems	Wzmacnianie konstrukcji remontowanych budynków, które uległy zniszczeniu – doświadczenia projektu MEZeroE
09:40	10:05	Aleksandra Luks, Mazowiecka Agencja Energetyczna	Niskotemperaturowe źródła ciepła w modernizacjach systemów ciepłowniczych – doświadczenia projektu RELaTED
10:05	10:30	Katarzyna Korczak, Centrum Badań i Innowacji Pro-Akademia	Współpraca międzynarodowa klastrów na rzecz budynków o niemal zerowym zużyciu energii – doświadczenia projektu SMART4NZE
10:30	11:00	Moderator: dr Ewa Kochańska, Centrum Badań i Innowacji Pro-Akademia	Dyskusja panelowa: Jak ograniczać emisyjność budynków w Polsce? Jak rozwiązania polskich innowatorów mogą w tym pomóc?

Uwaga: Po każdej prezentacji przewidziano 10 minut na zadawanie pytań i dyskusję.

Zarejestruj się:
<https://www.proakademia.eu/webinar-26-11-2021/>



Projekt SMART4NZE został dofinansowany przez Unię Europejską w ramach programu COSME oraz przez Ministerstwo Edukacji i Nauki RP.

Figure 5 Poster promoting the workshop

Number of stakeholders reached during the workshop:

- SMEs – 8
- Policy Makers – 9 (municipalities)
- Business networks & representative associations – 6
- Research & Education – 20
- Market (companies other than SMEs): 0

Based on the information provided by those who registered for the event on the RIC website, and on the research undertaken by the RIC team with regard to registered companies and other stakeholder specifics (i.e. form of organisation, number of employees and turnover), the following general distribution can be concluded with regard to entities that have been reached by the communication and dissemination activities:

No. of registrants	Type of organisations & fields of activity, as indicated by registrants
5 registrants, from 5 businesses (4 SMEs, 1 large enterprises)	Companies, active mainly, but not only, in: <ul style="list-style-type: none"> ● construction materials (2 businesses, including 1 SME representing also a University) ● energy efficiency (3 businesses)

22 registrants, from 2 Universities, 2 RDI Organisations and 1 technical high school	Research and Education <ul style="list-style-type: none"> ● Warsaw University of Technology (1 registrant) ● Cracow University of Technology (1 registrant – also representing a SME) ● Research and Innovation Centre Pro-Akademia (8 registrants) ● Laboratório Nacional de Energia e Geologia (1 registrant) ● Technical high school no. 3 in Lodz (11 registrants)
19 registrants, from 17 Municipalities	Municipalities and Townhalls (19 registrants from 17 municipalities and townhall authorities)
5 registrants from 3 Business support organisations	Non-Governmental Organisations (Business networks & representative associations) <ul style="list-style-type: none"> ● Polish Construction Cluster (1 registrant) ● Mazovia Energy Agency (1 registrant) ● B4R Cluster (3 registrants)
TOTAL 50 registrants from 30 different organisations.	

3.4 Conclusions

The first National Workshop in Poland was an opportunity to learn about challenges that the Polish construction sector is currently facing and will be in the next few years. These challenges are mainly linked to the insufficient energy performance of the existing building stock, low awareness level related to the benefits of the nZEB standard, and rising climate and energy policy targets. During the workshop, representatives of Polish organisations implementing H2020 projects presented the most promising projects and solutions that have the potential to significantly reduce the emission intensity of the domestic construction industry. During the open discussion, session participants could talk about the possibility of cooperation between Polish entities involved in various areas of reducing emissions in the construction sector, such as modernization of buildings, heating, and energy efficiency. Several topics have been covered: adaptation of existing buildings not only to more stringent energy performance requirements but also climate change and weather disasters that will become more frequent in the future, with the climate change progressing. Also, the future of energy-efficient and climate-friendly heating sources was discussed. Finally, the role of training and awareness building was raised, with a discussion about the topics that are specifically needed on the Polish market.

4. REPORT 4 – SECOND NATIONAL WORKSHOP IN POLAND

4.1 General Details on the Event

The PSDiK team organized, within the SMART4NZEB project, an online workshop to promote the nZEB concept and solutions of Polish institutions that support the improvement of energy efficiency in the building sector.

The event took place online, using the Microsoft Teams platform, on the 26th of November 2021, between 12:00 and 14:00 CET. The following agenda was used:

time	person	topic
12:00 - 12:10	Mariusz Wasilewski General Director PKB	<i>welcome</i>
12:10 - 12:40	Anna Moskwa Vice president PCC	<i>Digitization of the construction process, the future of BIM technology in Poland</i>
12:40 - 13:00	Adam Krajewski Director of PCC International Office	Internationalization of the offer of Polish enterprises in the era of climate change
13:00 - 13:30	Katarzyna Korczak Pro-Akademia	International cooperation of clusters for nearly zero-energy buildings - experiences of the SMART4NZEB project
13:30 - 14:00	Adam Krajewski Director of PCC International Office	<i>discussion and summary</i>

Figure 1 Agenda of the second national workshop in Poland

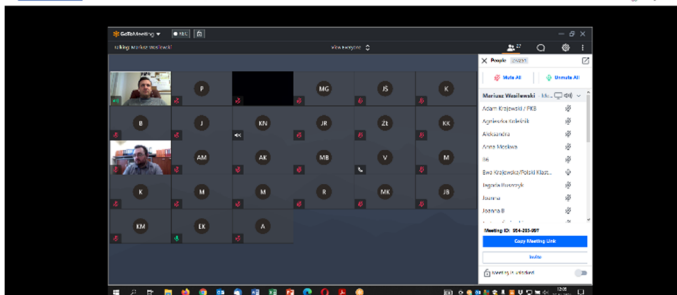
4.2 Images from the Event

This Project Report was funded by the European Union's COSME Programme.

Cyfryzacja budownictwa a rozwiązania blisko zero-energetyczne warsztat krajowy

czas	prelegent	temat
12:00 - 12:10	Mariusz Wasilewski Dyrektor Generalny PKB	powitanie
12:10 - 12:40	Anna Moskwa Wiceprezes PKB	Cyfryzacja procesu budowlanego, przyszłość technologii BIM w Polsce
12:40 - 13:00	Adam Krajewski Dyrektor Biura PKB ds. Kontraktów Zagranicznych	Internacjonalizacja oferty polskich przedsiębiorstw w dobie zmian klimatycznych
13:00 - 13:30	Katarzyna Korczak Centrum Badań i Innowacji Pro-Akademia	Współpraca międzynarodowa klastrów na rzecz budynków o niemal zerowym zużyciu energii - doświadczenia projektu
13:30 - 14:00	Adam Krajewski Dyrektor Biura PKB ds. Kontraktów Zagranicznych	dyskusja i podsumowanie



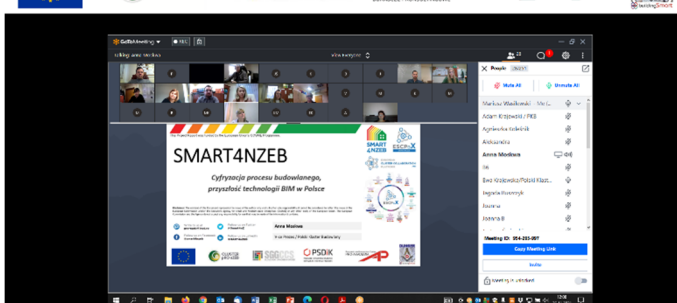


This Project Report was funded by the European Union's COSME Programme.

Cyfryzacja budownictwa a rozwiązania blisko zero-energetyczne warsztat krajowy

czas	prelegent	temat
12:00 - 12:10	Mariusz Wasilewski Dyrektor Generalny PKB	powitanie
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13:00 - 13:30	Katarzyna Korczak Centrum Badań i Innowacji Pro-Akademia	Współpraca międzynarodowa klastrów na rzecz budynków o niemal zerowym zużyciu energii - doświadczenia projektu
13:30 - 14:00	Adam Krajewski Dyrektor Biura PKB ds. Kontraktów Zagranicznych	dyskusja i podsumowanie





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Cyfryzacja budownictwa a rozwiązania blisko zero-energetyczne warsztat krajowy

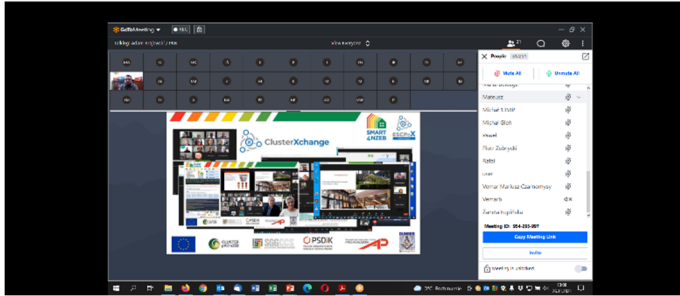
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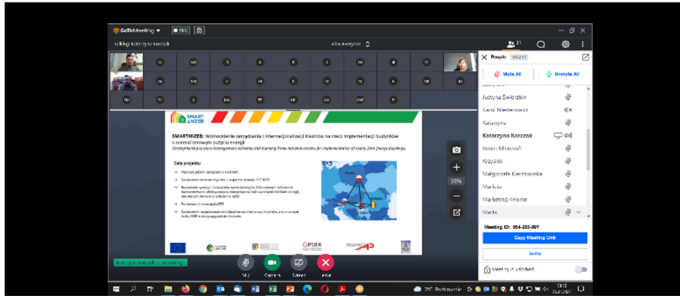




Figure 2 Print screens taken during the workshop

4.3 Promotion, Dissemination, and Reach

The second National Workshop organized under the SMART4nZEB project in Poland – 26 November 2021, brought 27 participants representing SMEs, big enterprises and education institutions.

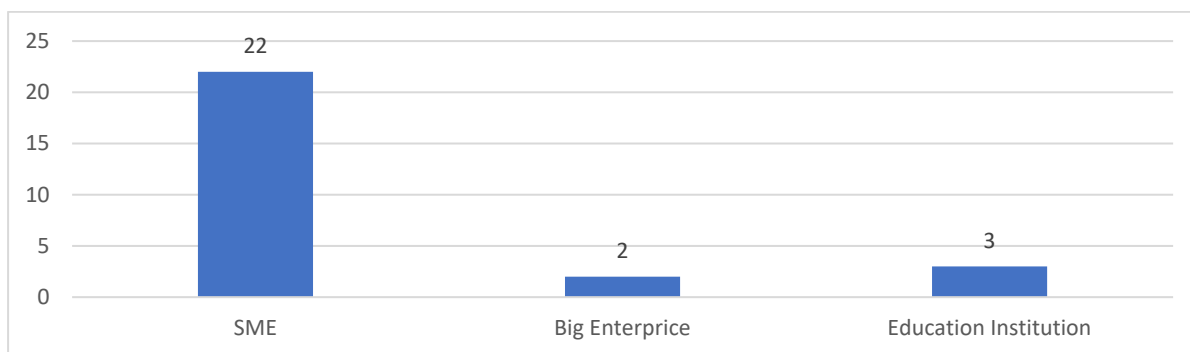


Figure 3 Distribution of participants across institution types

The event was promoted mainly through clusters web page and a newsletter, which was successfully sent to 8100 recipients on 19th November 2021. Additionally, some stakeholders were invited through direct contact. Additionally, 30 minutes before the event start the reminder was sent.

Zapraszamy na warsztat krajowy SMART4NZEB w Polsce! - Wiadomość (HTML)

Usun Archiwizuj

Odpowiedz
Odpowiedz wszystkim
Prześlij dalej

Usun

Odpowiadanie

Szybkie kroki

Przenoszenie

Tagi

Edytowanie

Czytaj na głos


Powiększ

Widok immers... Powiększenie

pt. 19.11.2021 12:46
Polski Klaster Budowlany <info@budowlanyklaster.pl>
Zapraszamy na warsztat krajowy SMART4NZEB w Polsce!

Do a.krajewski@polskiestowarzyszenie.pl

Ta wiadomość została przesłana dalej: 25.11.2021 13:13.
W przypadku problemów ze sposobem wyświetlania tej wiadomości kliknij tutaj, aby wyświetlić ją w przeglądarce sieci web.






Newsletter

19.11.2021

Polski Klaster Budowlany
Krajowy Klaster Kluczowy

Cyfryzacja budownictwa a rozwiązania budownictwa blisko zero-energetycznego 26.11.2021

Szanowni Państwo,

zapraszamy do udziału w krajowych warsztatach Polskiego Klastra Budowlanego w związku z realizowanym projektem Smart4nZEB. Główna tematyka spotkania będzie poświęcona budownictwu blisko zero-energetycznemu. W niedługim czasie zostaną zorganizowane wizyty studyjne w partnerskich klastrach w Serbii, Słowenii i Rumunii – podczas spotkania zostaną omówione szczegóły planowanych wyjazdów.

Cyfryzacja budownictwa a rozwiązania budownictwa blisko zero-energetycznego!
26.11.2021, 12:00-14:00
Warsztaty on-line! Rejestracja online: <https://forms.gle/bDzgYgeaKB3NWwd1A>

POBIERZ AGENDĘ

Polski Klaster Budowlany
biuro@budowlanyklaster.pl

Aby zrezygnować z subskrypcji kliknij na link: [Usun](#)

Figure 4 Newsletter sent promoting the workshop

Polki Klaster Budowlany - Krzyż Wbudowlany - Konsola admin

www.budowlanyklaster.pl/edito.php

edito
centralny system informacyjny

Platforma mailingowa

Zaplanowane zadania

Repozytorium wiadomości

Subskrybenci

Kategorie subskrypcji

Lista nadawców

Konfiguracja

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Menu główne

Menu stopka

Menu boczne

Strona główna

Projekty

Administracja

Aplikacje

Konfiguracja

Wyloguj

UWAGA!

Projekt: Wbudowlany

Państwa

Aplikacja » Platforma mailingowa » Zaplanowane zadania

powrót

Szczegóły zadania

Data wysyłki: 2021-11-19

Godzina: 22:51

Zadanie dodaj ulubionym

Status zadania wysłane

Wiadomość

Tytuł: Zaproszenie na warsztat krajowy SMART4ZEB w Polsce!

POGLĄD WIADOMOŚCI HTML

POGLĄD WIADOMOŚCI TEKSTOWEJ

Wyšli mailing do osób z bazy subskrybentów według kategorii

Reguły

Kategorie subskrypcji

1. Eki budowlanego, fotowoltaika
2. Inne branże
3. Inni Doradcy
4. Klaster Budowlany
5. pozna WQ 4

Nadawca: Polki Klaster Budowlany [info@budowlanyklaster.pl]

Statystyki podstawowe

Rozmiar kolejkę: 952

Pozostało do wysłania: 0

Mails odrzucone: 0

Mails błędne: 24

Statystyki kliknięć linków

Ilość Adres URL

- 0 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-2f52rba7k6wapa07q63kNT7ZM6e92diveief
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 4 mailto:biuro@budowlanyklaster.pl
- 9 /
- 13 https://forms.gle/8Dzgf9aB3Nwvd1A
- 14 https://www.budowlanyklaster.pl/userfiles/_publik_new_newsletter/plan4zzeb/warsztat_krajowy_smart4zzeb_w_polsce_podki.pdf

POWRÓT

* - wymagana polska

Start powered by Edito CMS v3.23

12:42 01.12.2021

Polki Klaster Budowlany - Krzyż Wbudowlany - Konsola admin

www.budowlanyklaster.pl/edito.php

edito
centralny system informacyjny

Platforma mailingowa

Zaplanowane zadania

Repozytorium wiadomości

Subskrybenci

Kategorie subskrypcji

Lista nadawców

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Menu stopka

Menu boczne

Strona główna

Projekty

Administracja

Aplikacje

Konfiguracja

Wyloguj

UWAGA!

Projekt: Wbudowlany

Państwa

Aplikacja » Platforma mailingowa » Zaplanowane zadania

powrót

Szczegóły zadania

Data wysyłki: 2021-11-19

Godzina: 22:36

Zadanie dodaj ulubionym

Status zadania wysłane

Wiadomość

Tytuł: Zaproszenie na warsztat krajowy SMART4ZEB w Polsce!

POGLĄD WIADOMOŚCI HTML

POGLĄD WIADOMOŚCI TEKSTOWEJ

Wyšli mailing do osób z bazy subskrybentów według kategorii

Reguły

Kategorie subskrypcji

1. Budowa 2019 KL
2. pozna WQ 5

Nadawca: Polki Klaster Budowlany [info@budowlanyklaster.pl]

Statystyki podstawowe

Rozmiar kolejkę: 860

Pozostało do wysłania: 0

Mails odrzucone: 0

Mails błędne: 6

Statystyki kliknięć linków

Ilość Adres URL

- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-5256r60q7gr8wvq8kPrDtaad
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
- 1 http://www.budowlanyklaster.pl/subskrypcja/usun.html?id_usunu=kty-52j-4w1q7bar9kg9r809_Cf3-4bQ
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- 6 https://forms.gle/8Dzgf9aB3Nwvd1A
- 7 https://www.budowlanyklaster.pl/userfiles/_publik_new_newsletter/plan4zzeb/warsztat_krajowy_smart4zzeb_w_polsce_podki.pdf
- 12 /
- 15 mailto:biuro@budowlanyklaster.pl

POWRÓT

* - wymagana polska

Start powered by Edito CMS v3.23

12:42 01.12.2021

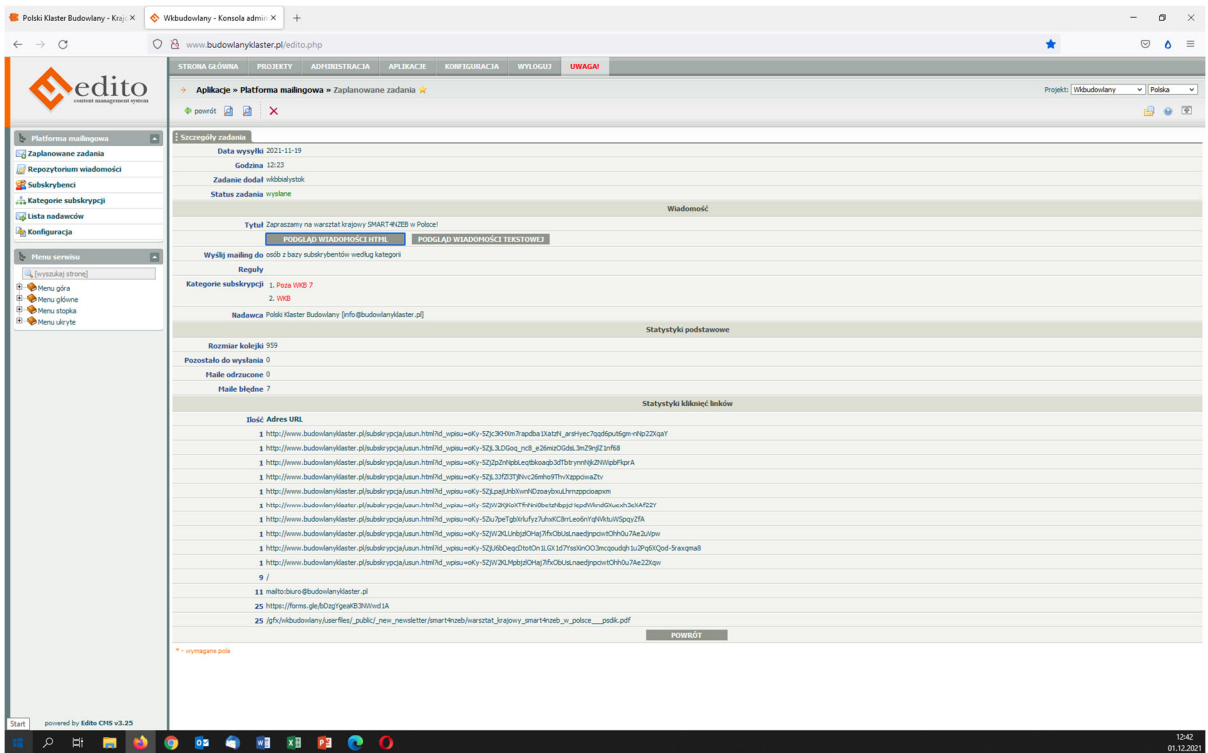
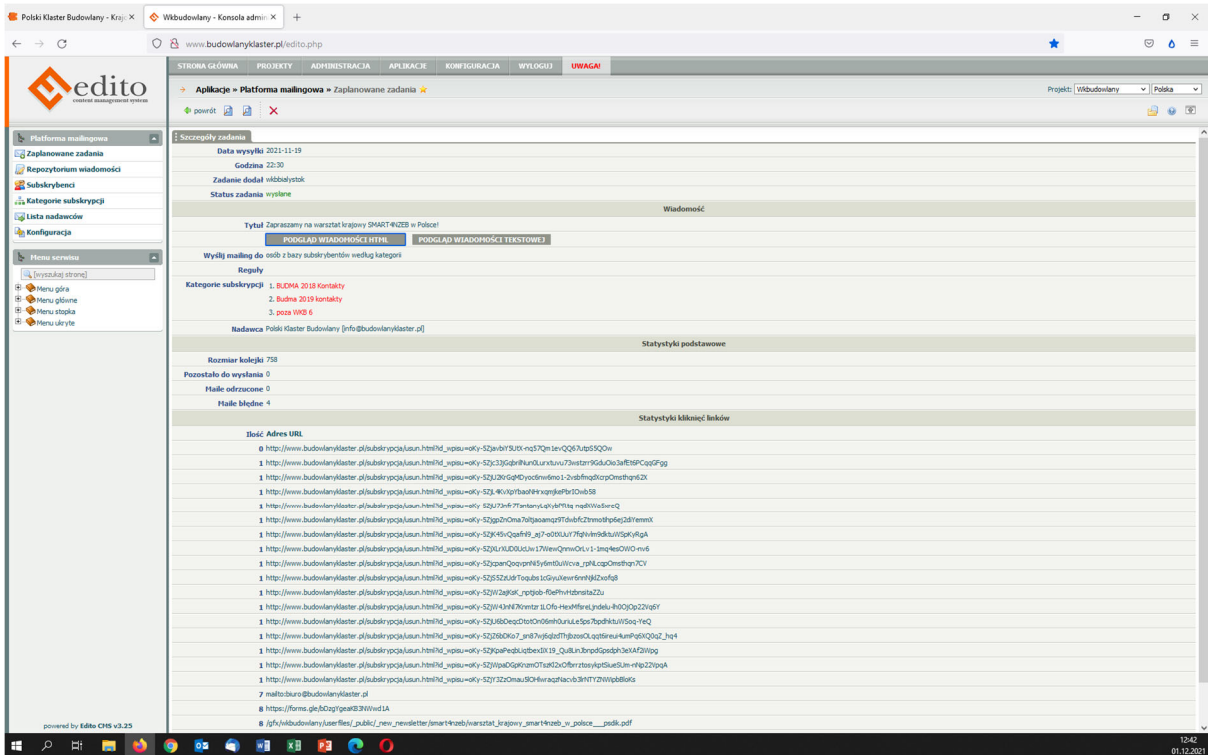


Figure 5 Print screens on recipient base ("Rozmiar kolejki")

Number of stakeholders reached during the workshop:

- SMEs – 22
- Big enterprises – 2
- Education institutions – 3

4.4 Conclusions

During the second national Workshop in Poland the main topic was the future of the Polish construction industry considering new technologies and climate change. During the first presentation, the Vicepresident of PSDiK (coordinator of Polish Construction Cluster) Anna Moskwa described advantages of BIM technology as well as general necessity to educate in mentioned technology especially because of law changes that are to be implemented in Poland. It was described what type of training was recognized by the cluster as the most important ones for the Polish construction industry (internal surveys).

Second topic was presented by Adam Krajewski on internationalization of clusters considering climate changes. Presentation focused on most advanced products and technologies that are within the circular economy and nZEB concepts and experiences on its internationalization gained by cluster members.

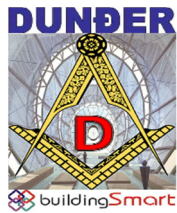
Third presentation was strictly on the Smart4nZEB projects. Katarzyna Korczak from Research and Innovation Centre Pro-Akademia presented main activities performed within the project. She focused on benefits for SMEs participating in the ClusterXchange scheme related to the knowledge exchange and new market opportunities.

After the presentations a discussion was held. Most of the questions considered more information on a few of the topics mentioned during presentations, but mostly future plans and initiatives that might be started to continue popularizing the nZEB concept during or after Smart4nZEB project comes to the end.

5. REPORT 5 – FIRST NATIONAL WORKSHOP IN SERBIA

5.1 General Details on the Event

The Construction cluster Dundjer has organized, on 17 June 2021, a first workshop about SMART4NZEBC project achievements and goals, in the fields of circular economy, energy efficiency and dual education.



WORKSHOP ***CIRCULAR ECONOMY, DUAL EDUCATION AND ENERGY EFFICIENCY IN CONSTRUCTION***



Date **17. June 2021.**

Time **10h – 13h**

Place Faculty of Civil Engineering and Architecture Niš, **first floor,**
Aleksandra Medvedeva 14

CIRCULAR ECONOMY – ENERGY EFFICIENCY – DUAL EDUCATION		
10:00-11:00	Circular economy in water resources management	Prof. Dr Dragan Milićević , Faculty of Civil Engineering and Architecture Niš
11:00-12:00	Energy efficient architecture - design principles	Prof. Dr Miomir Vasov , Faculty of Civil Engineering and Architecture Niš
12:00-13:00	Dual education and know-how transfer on the example of the Erasmus + project GAF Nis	Prof. Dr Milan Gocić , Faculty of Civil Engineering and Architecture Niš

5.2 Images of the event















5.3 Promotion, Dissemination, and Reach

Workshop CIRKULAR

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- Workshop CIRKULARNA EKONOMIJA, DIGITALIZACIJA I ENERGETSKA EFIKASNOST U GRADJEVINARSTVU, SREDA, 1.12.21. 9:30



 • **Djordje Djordjevic** <djoka@ni.ac.rs> 

To: AGTIM, ARSOV BORIS, BALKAN, Biljana Avramovic, Biserka Mijucic, Boban Velickovic, CPE NIS, DOO MARKET INŽENJERING NIŠ, Dragoljub Stojanovic, Dragoslav Stojic, Dusan Petkovic, ELKOM, ELTA MT, EUROLIFT, FAM 018 Nis, Gvozden Milosevic, HANS PLUS, Interprojekt, Ivan Vukajlovic, KAPAPROJEKT, KINGDOMINVEST, Leonid Stojmenov, LOGOS, Ljubisa Stajic, MAGDON, Marjan Nikolic, MIL PROJEKT, Milan Vagres, Miomir Stankovic, MKL INZENJERING, Mladen Radosavljevic, NASUMICA, Natasa Bezmarevic, n-ing, Petar Mitkovic, predrag.jankovic@masfak.ni.ac.rs, PROJEKTINZENJERING TIM, PROJEKTINZINJERING, PSG INZENJERING, Rade Vagres Nikolic, razvoj KNJAZEVAČ, Ruda, Sampion gradnja, Sargan Inzenjering, Sasa Zivkovic, Srbislav Nešic, Srdjan Simovic, STABILPROJEKT DOO NIŠ, Svetlana Gasevic, Tomislav Pavlovic, VAGRES ING DOO LALINAC SVRLJIG, Varing Izgradnja, Velimir Stefanovic, VLADAN DRAGICEVIC, Vladica Miletic, Zoran P. Stajic Hide

Workshop CIRKULAR

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- Workshop CIRKULARNA EKONOMIJA, DIGITALIZACIJA I ENERGETSKA EFIKASNOST U GRADJEVINARSTVU, SREDA, 1.12.21. 9:30

 • **Djordje Djordjevic** <djoka@ni.ac.rs> 

To: Aleksandar Aca Dobrodolac, Aleksandar Strahinjac, Biljana Avramovic, Biserka Mijucic, Boban Velickovic, Bratislav Rancic, Danka Milojkovic, Dijana Kostic, dragan.milicevic@gaf.ni.ac.rs, Dragana Petkovic - Gaga, Dragana T. Turnic, Dragana Turnic, Dragoslav Stojic, dragoslav.stojic@gaf.ni.ac.rs, Dusan Petkovic, Eberhard Malkowsky, Gvozden Milosevic, Iva Cirkovic, Ivan Vukajlovic, Jovana Kandic, Lidija Radulovic, Ljubisa Stajic, Mara Tanaskovic, Marjan Nikolic, Marko Ilic, Marko Mihajlovic, Mihajlo Nesic, Milan Gocic, Milan Vagres, Milijana Tanaskovic, Milos Djordjevic, Miomir Stankovic, Miomir Vasov, Nikola Zivkovic, predrag.jankovic@masfak.ni.ac.rs, PSG INZENJERING, Rade Vagres Nikolic, Radovan Cvetkovic, Sasa Pavlovic, Sasa Zivkovic, Srbislav Nesic, Srbislav Nešic, Srdjan Simovic, Svetlana Gasevic, Tomislav Igic, Tomislav Pavlovic, Vesna Velickovic, VLADAN DRAGICEVIC, Zoran Grdic, Zoran Jovanovic Hide

LINKS TO PRESENTATIONS FROM NATIONAL WORKSHOP II, HELD AT 17.06.2021.

<https://www.youtube.com/watch?v=inZJOYjjP-c>

<https://www.youtube.com/watch?v=6gD5jt-rABE>

<https://www.youtube.com/watch?v=RjCpewQFpVc>

ATTENDENCE LIST

Name	Company	Type of Organisation	Field of expertise
Sasa Zivkovic, dipl.ing.gradj.	TRION HIDROCONSULTING N. Banja	SME	Agency for consulting and design in construction
Nikola Zivkovic, dipl.ing.gradj.	TRION HIDROCONSULTING N. Banja	SME	Agency for consulting and design in construction
Bratislav Rancic, dipl.ing.gradj.	Center for Permanent Education Nis	SME	Educational center
Prof dr Djordje Djordjevic, dipl.ing.el.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Biljana Avramovic	Construction cluster Dundjer Nis	Cluster	Business association in Construction sector
Prof. dr. Milan Gocic, dipl.ing.el.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Dusan Petkovic, dipl.ing.mas.	Faculty of Mechanical Engineering, University of Nis	Academic Institution	Research & education
Prof. dr. Dusan Petkovic, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Prof. dr. Predrag Jankovic, dipl.ing.mas.	Faculty of Mechanical Engineering, University of Nis	Academic Institution	Research & education
Prof. dr. Miomir Vasov, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education

Mr. Sci. Boban Velickovic, dipl.ing.gradj.	Argo Consult Beograd	SME	Agency for consulting in construction
Dejan Stanojevic, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Prof. dr. Dragan Milicevic, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Predrag Rajkovic, dipl.ing.Mas.	Faculty of Mechanical Engineering, University of Nis	Academic Institution	Research & education
Prof. dr Eberhard Malkowsky, dipl.ing.	University Union, Nikola Tesla Belgrade	Academic Institution	Research & education
Milanka Vasic, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Dragan Vasiljevic, dipl.ing.el.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Marjan Petrovic, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Academic Institution	Research & education
Ass. Marko Mancic, dipl.ing.mas.	Faculty of Mechanical Engineering, University of Nis	Academic Institution	Research & education
Mr. Sci Marko Ilic, dipl.ing.mas.	Faculty of Mechanical Engineering, University of Nis	Academic Institution	Research & education
Aleksandar Pavlovic, dipl.ing.mas.	Faculty of Mechanical Engineering, University of Nis	Academic Institution	Research & education

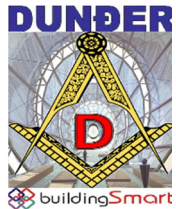
5.4 Conclusions

The first national workshop in Serbia reunited experts from Serbian Academic Institutions and SMEs, to discuss, among other, about the SMART4NZEB project, local challenges and future perspectives for implementing nZEB standards and circular economy in Serbia, through dual education means.

6. REPORT 6 – SECOND NATIONAL WORKSHOP IN SERBIA

6.1 General Details on the Event

The Construction cluster Dundjer has organized, on 01 December 2021, a second online workshop about SMART4NZEBC project achievements and goals, in the fields of circular economy, energy efficiency and digitalization in construction.



WORKSHOP **CIRCULAR ECONOMY, DIGITALIZATION AND ENERGY EFFICIENCY IN CONSTRUCTION**



Date 01. December 2021.

Time 09:30h – 20:00h

09:30-10:00		Registration of participants
10:00-11:00	Innovations in the water sector and introduction of best EU practices	Prof. Dr Milan Gocić , Faculty of Civil Engineering and Architecture Niš
11:00-12:00	Improving the energy efficiency of the space under the roof by using advanced materials	Prof. Dr Dragan Kostić , Faculty of Civil Engineering and Architecture Niš
12:00-13:00	Support for the internationalization of the circular economy in the construction sector	Mr. Sci Vladimir Gumilar , Slovenski Gradbeni Grozd, Ljubljana, Slovenija
13:00-14:00	B R E A K	
14:00-15:00	Using rainwater as a resource in the circular economy	Prof. Dr Dragan Milićević , Faculty of Civil Engineering and Architecture Niš
15:00-16:00	Application of software for calculation of energy savings in construction	Prof. Dr Zoran Jovanović , Faculty of Electronic Niš
16:00-17:00	Small hydropower plants – pro et contra	Dipl. Ing. Građ. Saša Živković , Trion Hydroconsalting N. Banja
17:00-18:00	Management of construction projects in country and abroad	Mr. Sci Boban Veličković , Construction Directorate Serbia Beograd

18:00-19:00	Digitalization – BIM	Prof. Dr Đorđe Đorđević, Faculty of Civil Engineering and Architecture Niš
19:00-20:00	Awarding virtuel certificates	Biljana Avramovic, Construction cluster Dundjer

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- > Advanced

My Meetings > Manage "Dundjer Workshop Smart4Nzeb" Start this Meeting

Topic: Dundjer Workshop Smart4Nzeb

Time: Dec 1, 2021 09:00 Belgrade, Bratislava, Ljubljana

Add to: [Google Calendar](#) [Outlook Calendar \(.ics\)](#) [Yahoo Calendar](#)

Meeting ID: 831 3570 1145

Security: Passcode: 397186 [Hide](#) Waiting Room
 Require authentication to join

Invite Link: <https://us02web.zoom.us/j/83135701145?pwd=VEJrb1ZlVXpzeWlnSkJQSVdwaGxyUT09> [Copy Invitation](#)

Video: Host On, Participant On

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- Webinars
- Recordings**
- Settings

ADMIN

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- > Device Management
- > Room Management

Recordings > Dundjer Workshop Smart4Nzeb Share

Dundjer Workshop Smart4Nzeb

Dec 1, 2021 07:55 Belgrade, Bratislava, Ljubljana ID: 831 3570 1145

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Recording 1
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The recording includes the files listed below:

- Shared screen with speaker view 139 MB
- Audio only 52 MB
- Chat file 254 MB

The screenshot shows the Zoom interface with two recordings listed. Recording 2 has a duration of 00:46:39 and contains 3 files totaling 124 MB. Recording 3 has a duration of 00:40:47 and contains 3 files totaling 303 MB. Both recordings include shared screen with speaker view, audio only, and chat files.

Recording	Files	Total Size	Includes
Recording 2	3 files	124 MB	Shared screen with speaker view (81 MB), Audio only (42 MB), Chat file (78 B)
Recording 3	3 files	303 MB	Shared screen with speaker view (266 MB), Audio only (37 MB), Chat file (131 B)

LINKS TO PRESENTATIONS FROM NATIONAL WORKSHOP II, HELD AT 01.12.2021.

[dipl.ing.gradj. Sasa Zivkovic at Workshop II Dundjer](#)

[Mr. Sci. Vladimir Gumilar at Workshop II Dundjer](#)

[Prof dr Zoran Jovanovic](#)

[Prof dr Milan Gocic Workshop II Dundjer](#)

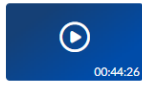
[Prof dr Dragan Milicevic at Workshop II Dundjer](#)

[Prof dr Dragan Kostic Workshop II Dundjer](#)

[Mr. Sci. Boban Velickovic Workshop II Dundjer](#)

The screenshot shows the Zoom interface with two recordings listed. Recording 4 has a duration of 00:00:52 and contains 2 files totaling 23 MB. Recording 5 has a duration of 01:44:33 and contains 2 files totaling 316 MB. Both recordings include shared screen with speaker view and audio only files.

Recording	Files	Total Size	Includes
Recording 4	2 files	23 MB	Shared screen with speaker view (22 MB), Audio only (824 KB)
Recording 5	2 files	316 MB	Shared screen with speaker view (220 MB), Audio only (95 MB)

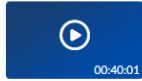


Recording 6
2 files 174 MB

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The recording includes the files listed below:

- Shared screen with speaker view 133 MB
- Audio only 40 MB

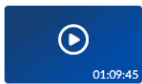


Recording 7
2 files 155 MB

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The recording includes the files listed below:

- Shared screen with speaker view 118 MB
- Audio only 36 MB



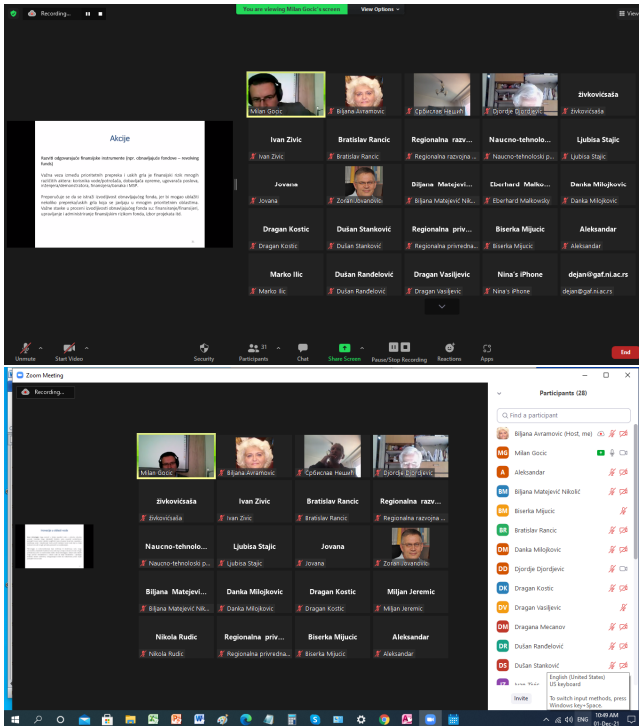
Recording 8
2 files 480 MB

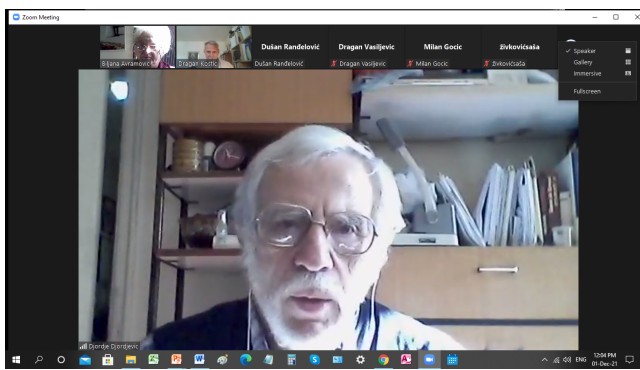
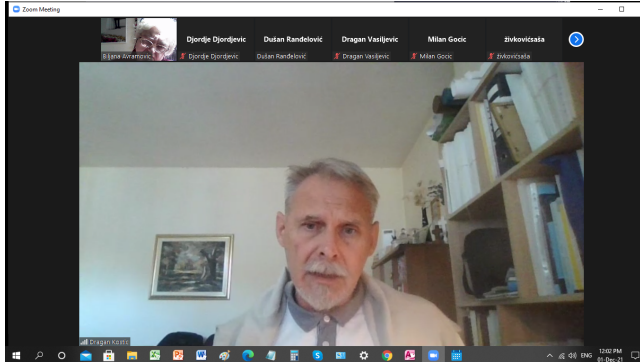
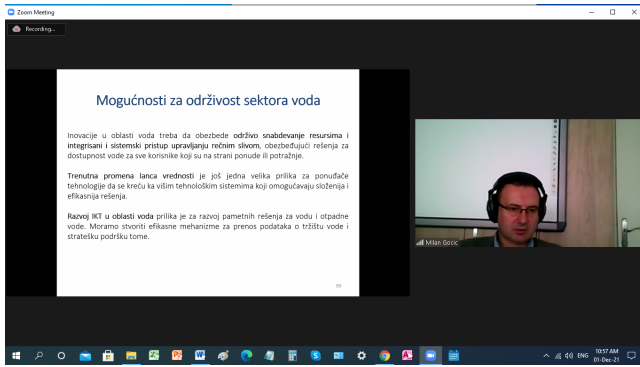
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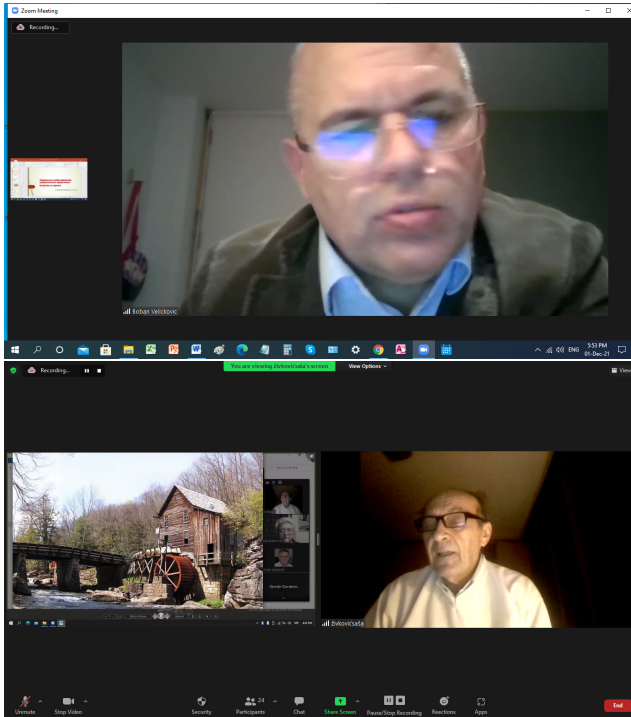
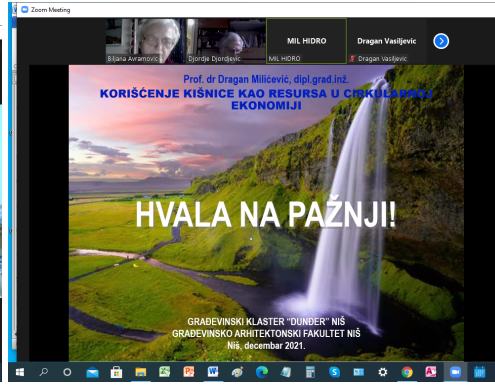
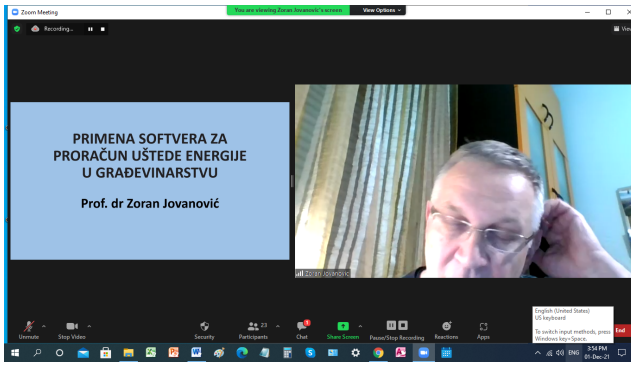
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- Shared screen with speaker view 417 MB
- Audio only 64 MB

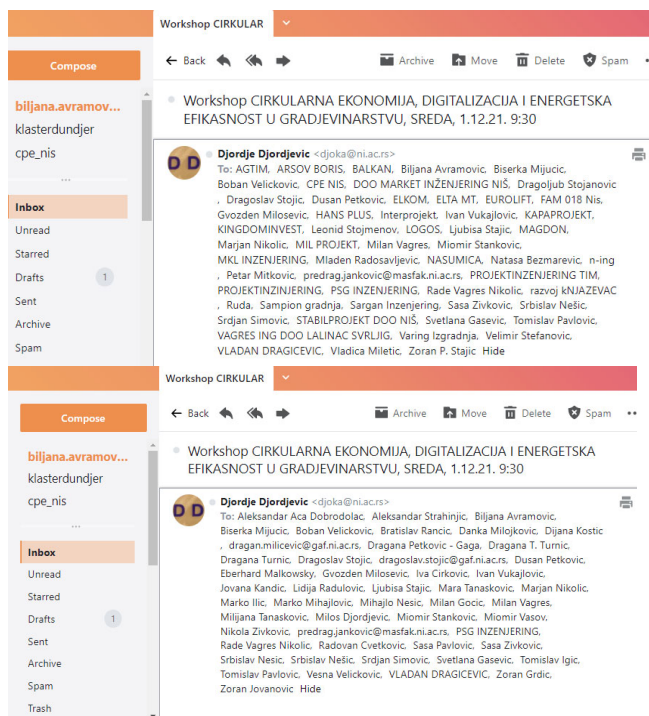
6.2 Images of the Event







6.3 Promotion, Dissemination, and Reach



Representative	Organisation	Organisation Type	Country
Prof dr Djordje Djordjević, dipl.ing.el.	Faculty of Civil Engineering and Architecture, University of Nis	Research & education	Serbia
Biljana Avramović	Construction cluster Dundjer Nis	Cluster	Serbia
Sasa Živković, dipl.ing.gradj.	TRION HYDROCONSULTING N. Banja	SME	Serbia
Prof. dr. Zoran Jovanović, dipl. Ing.	HANS PLUS Nis	SME	Serbia
Bratislav Rančić, dipl.ing.gradj.	Center for Permanent Education Nis	SME	Serbia
Prof. dr. Milan Gocić, dipl.ing.el.	Faculty of Civil Engineering and Architecture, University of Nis	Research & education	Serbia
Mr. Sci. Vladimir Gumilar, dipl. ing. gradj.	Slovenski gradbeni grozd, Slovenia	Cluster	Slovenia

Prof. dr. Zoran Jovanović, dipl. Ing.	Faculty of Electronic Engineering, University of Nis	Research & education	Serbia
Prof. dr. Tomislav Pavlović, dipl.ing.	Faculty of Sciences and Mathematics, University of Nis	Research & education	Serbia
Nikola Rudić, dipl.ing.arh.	ABR Nis	SME	Serbia
Prof. dr. Dragan Milićević, dipl.ing.gradj.	Faculty of Civil Engineering and Architecture, University of Nis	Research & education	Serbia
Mr. Sci. Boban Veličković, dipl.ing.gradj.	Argo Consult Beograd	SME	Serbia
Mr. Sci Marko Ilic, dipl.ing.mas.	Faculty of Mechanical Engineering, University of Nis	Research & education	Serbia
Nikola Rudić, dipl.ing.arh.	ABR Nis	SME	Serbia
Prof dr Dragan Kostic	Faculty of Civil Engineering and Architecture, University of Nis	Research & Education	Serbia
Prof dr Milan Randjelovic	Scientific-technological park Nis	Technology Centre	Serbia
Ivan Mihajlovic	Regional Development Agency Nis	Regional Development Agency	Serbia
Nebojša Bogdanović	Regional Chambre of Commerce Nis	Chambre of Commerce	Serbia
Doc. Dr Danka Milojković, dipl.ecc.	University Singidunum Beograd	Research & education	Serbia
Prof. dr Eberhard Malkowsky, dipl.ing.	University UNION Nikola Tesla Belgrade	Research & education	Serbia
Prof. dr Predrag Janković, dipl.ing.mas.	Faculty of Mechanical Engineering Nis	Research & education	Serbia

Vladimir Miletić, dipl.ing.el.	MB Engineering Knjazevac	SME	Serbia
Ivan Živić, dipl.ing.mas.	Cambridge Code 2	SME	Serbia
Vladica Miletić, dipl.ing.el.	MB INZENJERING Knjazevac	SME	Serbia
Miljan Jeremić, dipl.ing.el.	Hightschool Knjazevac	Educational institution	Serbia
Biserka Mijucić, dipl.ecc.	R&D&I center ALFATEC Nis	Research & education	Serbia
Svetlana Gašević, dipl.ing.HTZ	Gramont-Engineering Nis	SME	Serbia
Mara Tanasković, dipl.ing.arh.	Gramont-Engineering Nis	SME	Serbia
Ljubiša Stajić, dipl.ing.el.	R&D&I center ALFATEC Nis	Research & education	Serbia
Srbislav Nesić	Nasumica	SME	Serbia
Nina Aleksic Antonioli	CONSTRUCTION LAB BEOGRAD	SME	Serbia
Jovana Kontic	United Nation Development Program	Scaling-up Support Organisation	Serbia
Biljana Matejevic Nikolic	Faculty of Civil Engineering and Architecture, University of Nis	Research & Education	Serbia
Aleksandar Veličković	Sargan Engineering Nis	SME	Serbia
Ana Stanojevic	R&D&I center ALFATEC Nis	Research & education	Serbia
Borislava Blagojevic	Faculty of Civil Engineering and Architecture, University of Nis	Research & Education	Serbia
Dragan Vasiljevic	Faculty of Civil Engineering and Architecture, University of Nis	Research & Education	Serbia
Dragana Mecanov	Faculty of Architecture Belgrade	Research & Education	Serbia
Snezana Nestic	Nasumica	SME	Serbia

Predrag Blagojevic	City of Nis	Municipality	Serbia
Dusan Stanković	SAMPION GRADNJA Nis	SME	Serbia

6.4 Conclusions

The second national workshop in Serbia reunited experts from Serbian Academic Institutions and SMEs, to discuss, among other, about the SMART4NZEB project, local and regional challenges in terms of energy efficiency, circular economy and digitalization.

7. REPORT 7 – FIRST NATIONAL WORKSHOP IN SLOVENIA

7.1 General Details on the Event

The Slovenski gradbeni grozd (Construction Cluster of Slovenia) organized, within the SMART4NZEB project, an online workshop to communicate and disseminate about project achievements and goals, and to facilitate an exchange of experiences between relevant actors in the field of nearly zero energy building and renovation. The title of the workshop was **“Green policies, regulatory changes and business practices in the field of NZEB”**.



**Delavnica v okviru projekta SMART4NZEB:
skoraj nič energijska gradnja in prenova**

**Zelene politike, spremembe regulative in
poslovne prakse na področju SNEGiP**

Thursday, July 1, 2021 at 12:00 PM

Figure 1. First National Workshop in Slovenia. Event information in Eventbrite email. (Slovenian)

The event took place online, using the ZOOM platform, on the 1st of July 2021, between 12:00hrs and 15:00hrs CET, and included:

12:00 - 12:15 Introductory speech, mag. Vladimir Gumilar, director of the Slovenian Construction Cluster

12:15 - 12:45 Presentation of the potentials of cooperation within the European Strategic Partnership for Cluster Excellence in Near-Zero Energy Buildings, Horia Petran, Director, Cluster PRONZEB, Romania and Project Manager SMART4NZEB, European Strategic Cluster Partnership for Excellence in Every Zero Energy Buildings

12:45 - 13:30 New energy efficiency of new in old buildings: presentation of innovations in the field of regulations in connection with the design and renovation of the building, Saša Galonja, Ministry of the Environment and Proctor, Head of the Spatial Planning and Construction Department

13:30 - 14:00 From the green agreement to recovery plans and needs - the importance of almost zero energy construction and mag. Vladimir Gumilar, director of the Slovenian Construction Cluster

14:00 - 14:50 Good practices and challenges - discussion with guests and participants

14:50 - 15:00 Closing thoughts and presentation of further activities of the project, mag. Vladimir Gumilar, director of the Slovenian Construction Cluster

Full information on the agenda can be found by accessing the following link:
<https://www.eventbrite.com/e/zelene-politike-spremembe-regulative-in-poslovne-prakse-na-podrocju-snegip-tickets-161091670523>

The screenshot shows an Eventbrite event page. At the top left, there are logos for SMART4NZEB, ESCP4X Partnership, and SGGCCS (SLOVENSKI GRADBENI GROZD CONSTRUCTION CLUSTER OF SLOVENIA). To the right of the SGGCCS logo is the text 'Sofinancirano s programom Evropske unije: COSME'. Below the logos is the event title 'Delavnica v okviru projekta SMART4NZEB: skoraj nič energijska gradnja in prenova'. On the right side, there is a date 'JUL 01', the event title 'Zelene politike, spremembe regulative in poslovne prakse na področju SNEGiP', the organizer 'by Slovenski gradbeni grozd - GIZ', and '97 followers' with a 'Following' button. At the bottom right, it says 'Free'. Below the event details, there are buttons for 'Sales Ended' and 'Details', and a heart icon on the left.

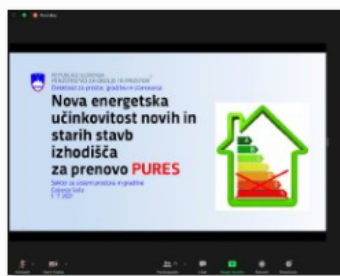
Figure 2. First National Workshop in Slovenia, Event Page on Eventbrite website (Slovenian)

The recording of the workshop can be found by accessing the You Tube link:
<https://www.youtube.com/watch?v=AwCPgoTYLX4&t=1404s>

The screenshot shows a YouTube video player. The search bar at the top contains 'slovenski gradbeni grozd - giz'. The video player shows a slide with the SMART4NZEB logo and the text 'This Project Report was funded by the European Union's COSME Programme.' Below the logo is the title 'SMART4NZEB' and the subtitle 'Strengthening clusters Management Activities and Running Trans-national for implementation of nearly Zero Energy Buildings'. The main text on the slide is 'Zelene politike, spremembe regulative in poslovne prakse na področju SNEGiP' and 'Nacionalna delavnica v okviru projekta SMART4NZEB: skoraj nič energijska gradnja in prenova'. There are social media links for Twitter (@Smart4nZ), Facebook (@smart4nzeb), and LinkedIn (SMART4nZEB). At the bottom of the slide are logos for the European Union, CLUSTER PRO nZEB, SGGCCS, PSDiK, and PRO-AKADEMIJA. The video player shows a progress bar at 0:51 / 2:38:15. Below the video, the title 'Zelene politike, spremembe regulative in poslovne prakse na področju SNEGiP' is displayed, along with '11 ogledov • 2. jul. 2021' and interaction buttons for likes, dislikes, shares, and saves. At the bottom, the channel name 'Slovenski gradbeni grozd - GIZ' is shown with '13 naročnikov' and a 'NAROČENI STE' button.

Figure 3. First National Workshop in Slovenia, Recordings on You Tube (Slovenian)

7.2 Images from the Event



s4n16



s4n17



s4n18



s4n19



s4n20



s4n21



s4n22



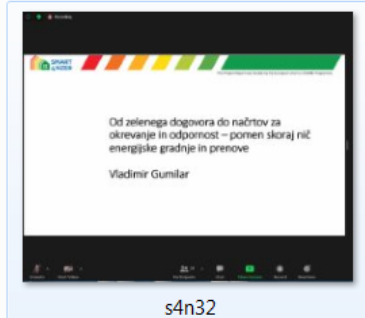
s4n23



s4n24



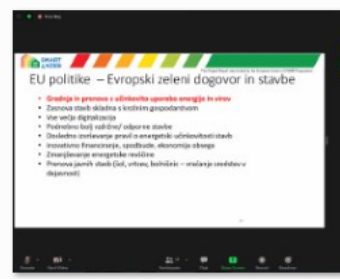
s4n31



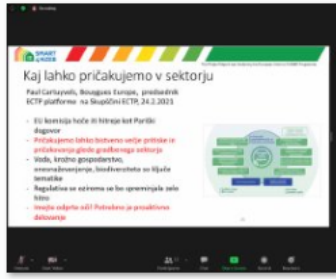
s4n32



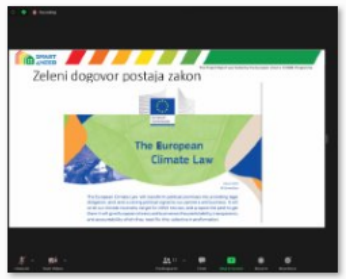
s4n33



s4n34



s4n35



s4n36

Figure 4. First National Workshop in Slovenia, images from the event (screenshots)

7.3 Promotion, Dissemination, and Reach

The first National Workshop organized under the SMART4nZEB project in Slovenia – 01 July 2021, brought together 15 participants (among them were 11 participants representing SMEs or large companies; 3 from NGOs / Professionals Associations; 1 from Public Authorities;) from private and public organisations, active or having an interest in domains relevant for the nZEB market.

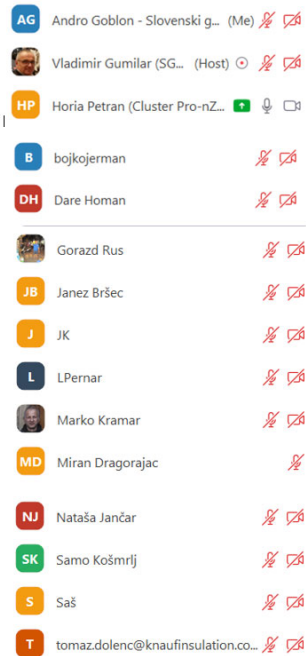


Figure 5. First National Workshop in Slovenia, Zoom, List of participants

The National Workshop was promoted on Slovenski gradbeni grozd (Construction Cluster of Slovenia) social media.

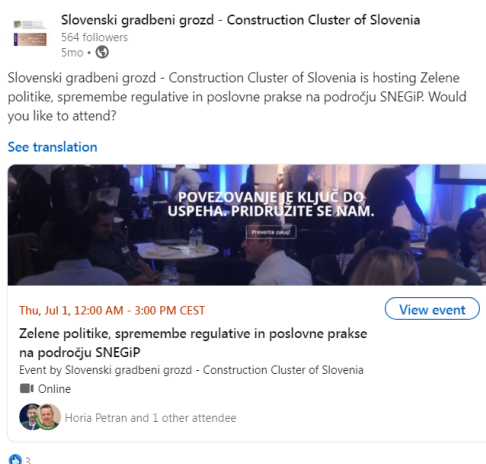


Figure 6. First National Workshop in Slovenia, Promotion on LinkedIn
<https://www.linkedin.com/feed/update/urn:li:activity:6815169425428283392>

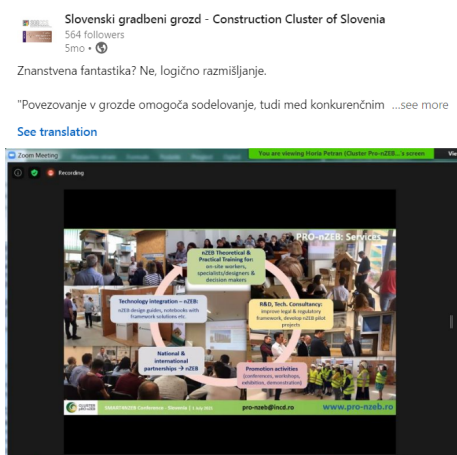


Figure 7. First National Workshop in Slovenia, Promotion on LinkedIn
<https://www.linkedin.com/feed/update/urn:li:activity:6816316688003407873>



Figure 8. First National Workshop in Slovenia, Promotion on Twitter
https://twitter.com/sqq_ccs/status/1409838433456037890

The promotion of the workshop was carried out also through e-mailing (CCS News) and direct sending of invitations to the addresses of associations of architects and civil engineers and technicians.

7.4 Conclusions

The first National Workshop in Slovenia was a small, but important step to mobilise thenZEB stakeholders. The workshop is recorded and uploaded on You Tube channel and therefore can be viewed multiple times in any time. Parts of the workshop, especially the session about the new energy regulations can be reproduced and used for additional posting and awareness raising of stakeholders. Overall, the first National Workshop was a successful event, which brought together experts from many different organizations to discuss, among other, about the regulations and best practices in the field of nZEB, as well as challenges and opportunities for SMEs.

8. REPORT 8 – SECOND NATIONAL WORKSHOP IN SLOVENIA

8.1 General Details on the Event

The Slovenski gradbeni grozd (Construction Cluster of Slovenia) organized, within the SMART4NZEB project, an online workshop to communicate and disseminate about project achievements and goals, and to facilitate an exchange of experiences between relevant actors in the field of nearly zero energy building and renovation.

The second national workshop was combined with Slovenian national REDay 2021. Slovenski gradbeni grozd (Construction Cluster of Slovenia) is a national partner for Slovenia in the Renovate Europe¹ campaign, which is a political communications campaign with the ambition to reduce the energy demand of the EU building stock by 80% by 2050 through legislation and ambitious renovation programmes. Accelerating the rate of renovation is a key tool in the fight against climate change, and will deliver major benefits for people, their quality of life, and the economy.

The workshop was organized as a combined event to save time for both organizers and participants, which would be mostly the same at both events, as well as the contents of both events overlap or are complementary.

The title of the workshop was **“Almost NZEB construction and renovation - why, what and how”**.



Figure 1. Second National Workshop in Slovenia. Event information in Eventbrite email. (Slovenian)

The event took place online, using the ZOOM platform, on the 4th of November 2021, between 9:00hrs and 13:00hrs CET, and included:

9:00 - 9:15 Introductory speech, Vladimir Gumilar, director of the Slovenian Construction Cluster

9:15 - 10:00 Presentation of the potential for cooperation within the European Strategic Partnership for Cluster Excellence in Nearly Zero Energy Buildings (Presentation of the potential for cooperation

¹ <https://www.renovate-europe.eu/>

within the European Strategic Cluster Partnership for Excellence in the field of Nearly Zero Energy Buildings), Horia Petran, Director, Cluster PRONZEB, Romania and Project Manager SMART4NZEB, European Strategic Cluster Partnership for Excellence in Almost Zero Energy Buildings

10:00 - 10:30 Tenth anniversary of the Renovate Europe campaign: an opportunity to assess the progress made in the last decade in renovation and a look into the future of what remains to be done (The 10th Anniversary of the Campaign: an opportunity to take stock of progress made over the last decade for renovation and to look ahead at what still needs to be done), Adrian M Joyce, Secretary General of EuroACE and Director of the Renovate Europe Campaign

10:30 - 11:00 Renovate2Recover study: how transformative are the National Recovery Plans for buildings (Renovate2Recover study: how transformational are the National Recovery Plans for buildings), Vilislava Ivanova, E3G

11:00 - 11:15 Rest

11:15 - 11:45 Support to NZEB and the progress of sustainable construction in Slovenia in the case of the LIFE IP CARE4CLIMATE project (Support to NZEB and the progress of sustainable construction in Slovenia in the case of the LIFE IP CARE4CLIMATE project), dr. Marjana Šijanec Zavrl, Civil Engineering Institute ZRMK

11:45 - 12:45 Connection between BIM and BEM for a quick assessment of the energy needs of a building (Connection between BIM and BEM for a quick assessment of the energy needs of a building), Gorazd Rajh, PILON AEC d.o.o.

12:45 - 13:00 Questions and answers and closing of the event, moderated by Vladimir Gumilar, director of the Slovenian Construction Cluster

In addition, Nena Dokuzov, one of the authors of the National Recovery and Resilience Program, then joined the discussion from Lisbon, where she was on a business trip and invited us to cooperation.

Full information on the agenda can be found by accessing the following link:
<https://www.eventbrite.com/e/skoraj-nic-energijska-gradnja-in-prenova-zakaj-kaj-in-kako-tickets-198989341477>




Potenciali mednarodnega sodelovanja na področju skoraj nič energijske gradnje in prenove

by Slovenski gradbeni grozd - GIZ
97 followers [Following](#)

NOV 04

Skoraj nič energijska gradnja in prenova - zakaj, kaj in kako

Free

[Sales Ended](#)
[Details](#)

Združena sta dva dogodka, slovenski dogodek v okviru kampanje Renovate Europe in 2. nacionalna delavnica v okviru projekta SMART4nZEB.

Date and time
Thu, November 4, 2021
9:00 AM - 1:00 PM CET
[Add to calendar](#)

Figure 2. Second National Workshop in Slovenia, Event Page on Eventbrite website (Slovenian)

The recording of the workshop can be found by accessing the You Tube link: <https://www.youtube.com/watch?v=z396tMy0IjU> (part 1)





REDAY2021 nacionalni dogodek – Slovenija

Potenciali mednarodnega sodelovanja na področju skoraj nič energijske gradnje in prenove




REDAY 2021 Slovenija - Smart4NZEB delavnica - 1 del

5 ogledov • 17. nov. 2021

[0](#)
[NI MI VŠEČ](#)
[DELI](#)
[SHRANI](#)

Slovenski gradbeni grozd - GIZ

Figure 3. Second National Workshop in Slovenia, Recordings on You Tube, Part 1 (Slovenian)

<https://www.youtube.com/watch?v=z396tMy0ljU> (part 2)

The screenshot shows a YouTube video player interface. At the top left is the YouTube logo with a search bar containing the text 'Išči'. The video content is a presentation slide with a dark background. On the left side of the slide, the text reads: 'Supporting NZEB and sustainable building progress in Slovenia in LIFE IP CARE4CLIMATE project'. Below this, it says 'Marjana Šijanec Zavrl, Building and Civil Engineering Institute ZRMK' and '4 November, 2021'. Logos for 'CORE4CLIMATE', 'RENOVATE EUROPE', and 'SMART4NZEB' are visible. On the right side of the slide, there is a graphic of four 3D house models in a row, colored from green to red, with the text 'Supporting nZEB deployment in Europe - the experience of EU-funded projects' below them. The YouTube interface below the video shows the title 'REDAY21 Slovenia in nacionalna delavnica Smart4nzeb - skoraj nič energijska gradnja; 2. DEL', '9 ogledov • 17. nov. 2021', and interaction icons for likes (0), comments ('NI MI VŠEČ'), shares ('DELI'), and saves ('SHRANI'). The channel name 'Slovenski gradbeni grozd - GIZ' is visible at the bottom left.

Figure 4. Second National Workshop in Slovenia, Recordings on You Tube, Part 2 (Slovenian)

8.2 Images from the Event

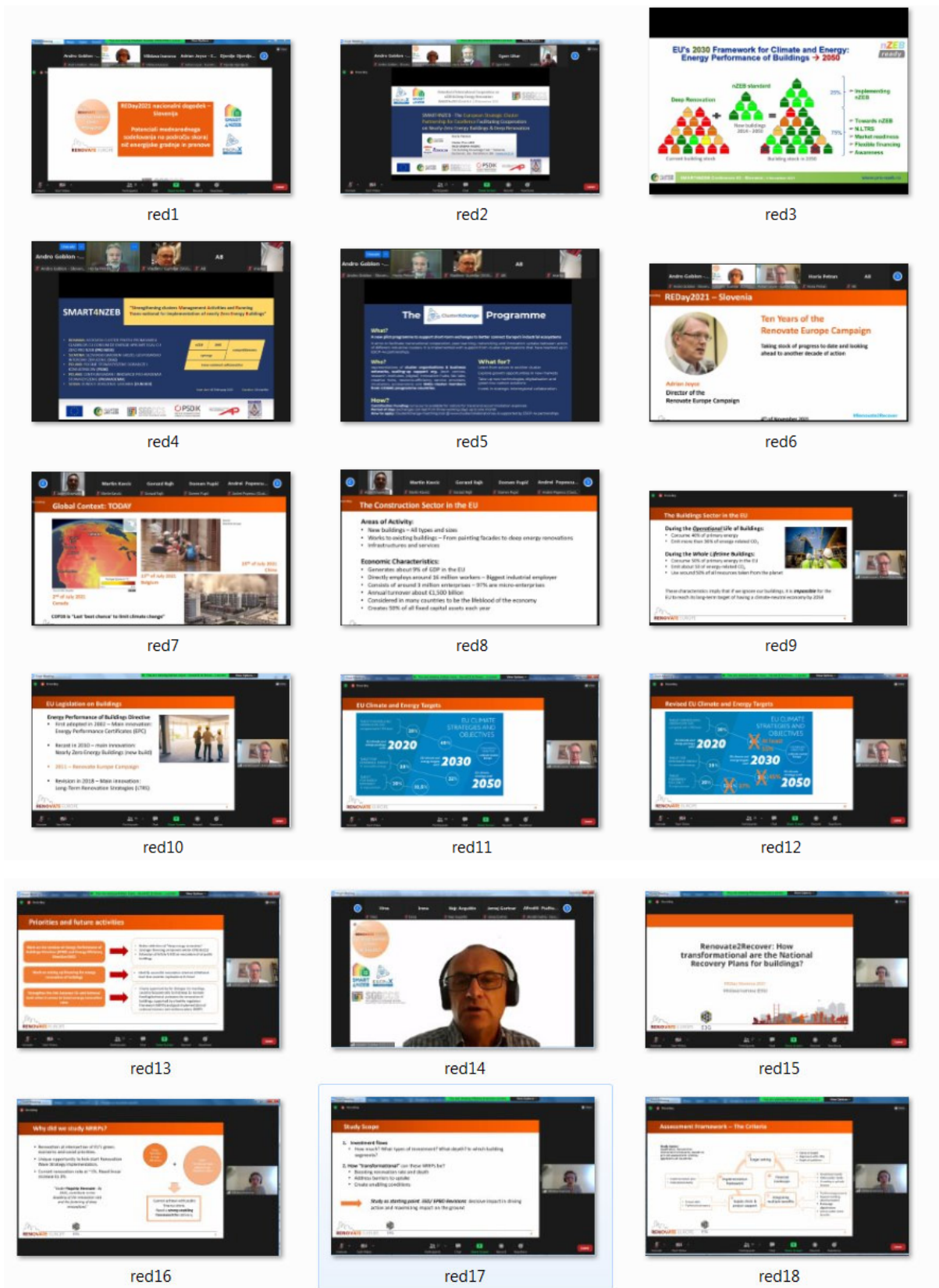


Figure 5. Second National Workshop in Slovenia, images from the event (screenshots)

8.3 Promotion, Dissemination, and Reach

The second National Workshop organized under the SMART4nZEB project in Slovenia – 04 November 2021, brought together 28 participants (among them were 17 participants representing SMEs or large companies; 9 from NGOs / Professionals Associations; 2 Research and 1 from Public Authorities;) from private and public organisations, active or having an interest in domains relevant for the nZEB market.

Participants (28)

Find a participant

AG	Andro Goblon - Slovenski g... (Me)		
GR	Gorazd Rajh		
	Vladimir Gumilar (SG... (Host)		
G	Grasic Ivan		More >
AJ	Adrian Joyce - EuroACE & Re...		
HP	Horia Petran		
VP	Vojko Pavčič		
I	Irena		
A	AB		
JH	Janez Hvala		
	Adam Krajewski		
JG	Jernej Gortnar		
AP	Afroditi Psatha - Renovate Europ...		
M	marko		
AP	Andrei Popescu (Cluster pRO-nZE...		
MK	Marko Kramar		
BP	Barbara Pirc		
MK	Martin Kavcic		
DD	Djordje Djordjevic		
MD	Miha Dolinar - Minergia d.o.o		
DP	Domen Pupič		
MB	Mitja Bukovec		
EL	Egon Likar		
NA	Nejc Avguštin		
TL	Tomaž L		
VI	Vilislava Ivanova		
V	Vires		
W	Wozu		

Figure 6. Second National Workshop in Slovenia, Zoom, List of participants

The National Workshop was promoted on Slovenski gradbeni grozd (Construction Cluster of Slovenia) social media.

Slovenski gradbeni grozd - Construction Cluster of Slovenia
564 followers
1mo • Edited •

☞☞☞ Rezervirajte si čas v četrtek, 4. 11. 2021.
Izvedeli boste kaj je kampanja Renovate Europe in zakaj je pomembna, kako je v nacionalne programe za okrevanje in odpornost vključena energetska: ...see more

[See translation](#)

**RENOVATE EUROPE
NATIONAL PARTNER
EVENT
REDay2021**

+

**SMART4nZEB 2.nd
national conference
Slovenia**

Potenciali mednarodnega sodelovanja na področju skoraj nič energijske gradnje in prenove

Skoraj nič energijska gradnja in prenova - zakaj, kaj in kako
eventbrite.com • 2 min read

👤 Vladimir Gumilar and 5 others 7 comments

Figure 7. Second National Workshop in Slovenia, Promotion on LinkedIn
<https://www.linkedin.com/feed/update/urn:li:activity:6858799654486777856>

Slovenski gradbeni grozd - Construction Cluster of Slovenia
564 followers
1mo • Edited •

Ta četrtek, 4. 11., organiziramo spletni dogodek, ki se nanaša na skoraj nič energijsko gradnjo in prenavo.

Dogodek spada v okvir projekta evropskega strateškega partnerstva grozdov za odličnost (na področju skoraj nič energijskih stavb), ki ga izvajamo skupaj s partnerskimi grozdi iz Romunije, Poljske in Srbije (potencialni trgi za ponudnike storitev in izdelkov za potrebe skoraj nič energijskih stavb). V razširjeni obliki pa bo hkrati tudi slovenski nacionalni dogodek v okviru kampanje [#RenovateEvrope](#), v kateri smo nacionalni podporni partner za Slovenijo.

Na dogodku bodo predstavljeni tudi nacionalni načrti za okrevanje in odpornost s poudarkom na energetski prenovi stavb in primerjava le teh med različnimi državami.

Vabimo vas, da informacijo o tem posredujete tistim, za katere menite, da bi jim lahko koristila ali jih zanimala.

Več in prijava: <https://lnkd.in/ePjcmV6>

Janez Rihter Tina Špegelj Rihter d.o.o. Janez Bršec Primož Zorec Cogreen, hemp building solutions Danijel Lisičić JUB Uroš Gantar Marjeta Vide Lutman Vladimir Gumilar Miha Tomšič Zelena Slovenija

Figure 8. First National Workshop in Slovenia, Promotion on LinkedIn
<https://www.linkedin.com/feed/update/urn:li:activity:6861272173445742592>



Figure 9. Second National Workshop in Slovenia, Promotion on Twitter
https://twitter.com/sgg_ccs/status/1453690029532983297

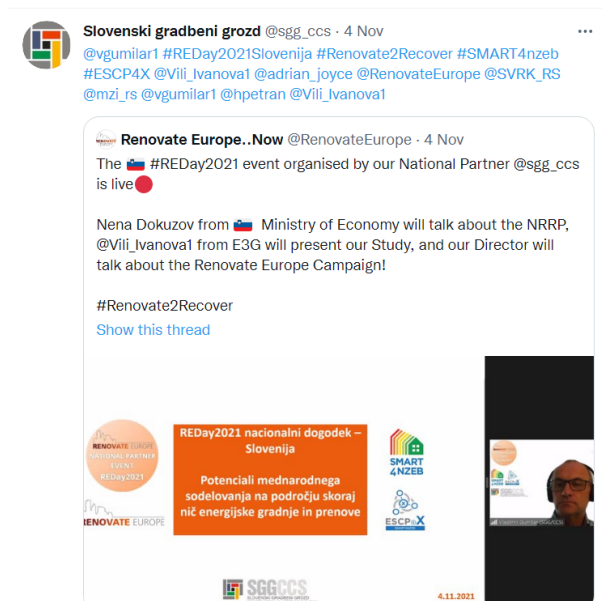


Figure 10. Second National Workshop in Slovenia, Promotion on Twitter
https://twitter.com/sgg_ccs/status/1456206838622478339



Figure 11. Second National Workshop in Slovenia, Promotion on Twitter
https://twitter.com/sgg_ccs/status/1456208795902808068



Figure 12. Second National Workshop in Slovenia, Promotion on Twitter
https://twitter.com/sgg_ccs/status/1456210468570386432

Slovenski gradbeni grozd @sgg_ccs · 4 Nov
 In na koncu še predstavitev uporabnosti BIM orodij za oceno energijskih potreb stavb (Gorazd Rajh iz podjetja PILON)
 #REDay2021Slovenija #Renovate2Recover #SMART4nzeb #ESCP4X
 @matjaz14650843 @vgumilar1

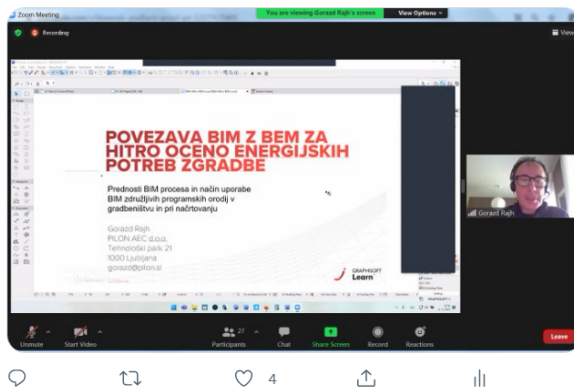


Figure 13. Second National Workshop in Slovenia, Promotion on Twitter
https://twitter.com/sgg_ccs/status/1453690029532983297

The promotion of the workshop was carried out also through e-mailing (CCS News) and direct sending of invitations to the addresses of associations of architects and civil engineers and technicians.

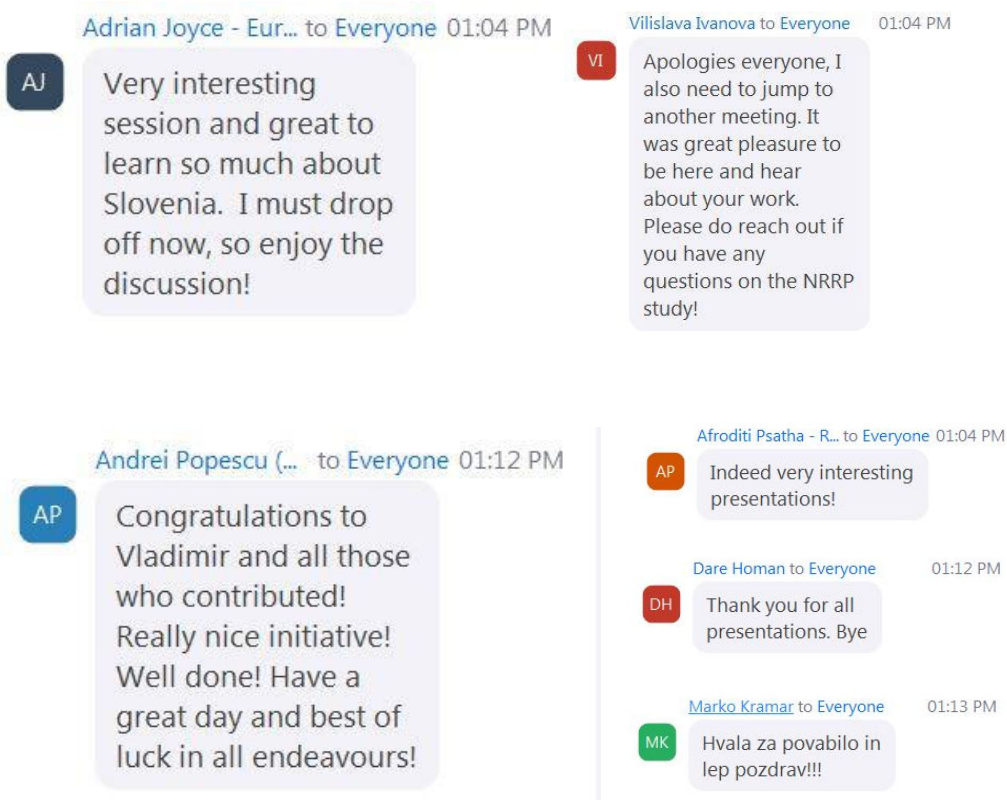


Figure 14. Second National Workshop in Slovenia, Feedback from attendees in Zoom chat
https://twitter.com/sgg_ccs/status/1453690029532983297

8.4 Conclusions

The second National Workshop in Slovenia was another important step to mobilise the stakeholders in nZEB. The workshop is recorded and uploaded on You Tube channel and therefore can be viewed multiple times in any time. Parts of the workshop, especially session about the need for deep energy renovations can be reproduced and used for additional posting and awareness raising of stakeholders. Overall, the second National Workshop was a successful event, which brought together experts from many different organizations to discuss about the challenges and opportunities for NZEB.