

DELIVERABLE:

D6.3 Dissemination events in targeted countries

D7.3 Communication report

Authors: Aurore Fourcroy and Fabrice Sorriaux (Voltalis), Peter Doktor (ViaEuropa), T. Almeida, Nuno Quaresma (ISR), Mahendra Singh (Fraunhofer), Juan Urresti De Las Alas Pumarino (Plenitude), Jiri Karasek (SEVEN), Marek Malina (ZSPS), Frantisek Doktor (ViaEuropa)



Building Up Next-Generation Smart Energy Services Offer and Market Up-take Valorising Energy Efficiency and Flexibility at Demand-Side.

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Executive Summary

The presented report is complementary to the table in SyGMA summarising dissemination and communication activities. In total, the consortium delivered 32 dissemination activities that reached over 16 thousand stakeholders and 209 communication actions that reached over 264 thousand stakeholders. This report presents a selective portfolio of key dissemination and communication actions implemented under WP6 and WP7 to accelerate the uptake of next-generation smart energy services that combine energy efficiency with demand-side flexibility. The reported approach deliberately mixes broad visibility actions (trade fairs, public platforms, media outreach) with targeted engagement (sectoral associations, engineers, DSOs, municipalities) and evidence-building activities (customer surveys and pilot feedback), thereby supporting both market readiness and policy learning. This dual focus is reflected in recurring project narratives: the “one-stop-shop” logic for Smart Energy Efficiency Services, the integration of distributed energy resources and smart control, and a consistent emphasis on replicability beyond the original pilot geographies.

A first strand of activity prioritised structured stakeholder platforms in target countries, ensuring that project concepts were tested and refined through dialogue with those actors that shape implementation conditions. In Portugal, the National Prosumers Platform event (25 October 2023, Figueira da Foz) convened a notably diverse audience – over 80 attendees from public institutions, municipalities, private associations, SMEs and ESCOs – benefiting from the decision to co-organise with other LIFE initiatives (Own Your SECAP and REVERTER). The event’s Q&A format did more than raise awareness: it surfaced concrete interest from ESCOs and municipalities in the business potential of BungEES’ service model, indicating that the concept resonated with intermediaries capable of scaling offers to residential end-users.

In the Czech Republic, targeted meetings with the Association of Energy Service Providers (APES) provided an additional channel for market-shaping dialogue. Here, the consortium not only introduced the project’s goals and outputs but used “model examples of energy services” as a basis for discussion—including explicit attention to Non-Energy Benefits, a framing highly relevant for bankability and consumer value propositions in energy services.

A second strand-built credibility through evidence-based communication, using surveys and pilot feedback to translate abstract service concepts into quantified customer insights and measurable operational performance. In Spain, a customer survey linked to the FlexiSmart Home service pilot gathered direct feedback from users in Catalonia and Cantabria and reported an average satisfaction level of approximately 5–6/10, offering a realistic view of early user experience and providing direction for further refinement.

In France, a large-scale prosumer survey (winter 2023/2024) combined socio-economic profiling with exploration of demand response acceptance and digital user experience: 5,988 invitations generated 746 completed responses, providing a robust dataset to inform segmentation and integration strategies for flexibility services in the residential sector.

These insights were actively embedded into outreach to education and future workforce audiences as well. At the University of Cantabria (7 March 2024), the project used real integration examples – PV, heat pumps, EV charging points, smart thermostats and storage—and communicated clear market signals from Plenitude customer research: 72% expressed interest in FlexiSmart Home and 34% indicated willingness to adopt it.

A third strand prioritised policy- and market-facing high-level events, designed to connect pilot evidence with regulatory and system-level questions (flexibility market access, data infrastructure, consumer participation). In Portugal, the High-Level Event (25 June 2025) illustrates the project’s integrated communication method: dissemination through institutional newsletters and social media was reinforced by a press release taken up by 12 media entities, including publication in at least one regional and one national newspaper. Although attendance was around 20 participants, the outcome was qualitatively strong—high interaction and explicit stakeholder interest in flexibility potential and monetisation. The agenda featured both pilot results (including the ISR building and microgrid case) and an expert roundtable involving key national actors such as E-REDES (the Portuguese DSO) and ADENE (the Portuguese Energy Agency), directly linking BungEES results to questions of system resilience and the role of flexibility in preventing or mitigating future blackout risks.

In Spain, the High Level Event (8 July 2025) further advanced this evidence-to-policy bridge: the project reported 72% positive responses from more than 600 respondents regarding FlexiSmart Home interest, while also sharing operational findings from a Spanish pilot controlling 20 heat pumps, with reported 17% energy savings in customer consumption—an outcome that speaks directly to the cost-effective contribution of demand-side measures to decarbonisation and energy security objectives.

High-level stakeholder engagement was equally visible in Central Europe. At the Slovak Stakeholders’ Roundtable (12 September 2025, Bratislava), BungEES positioned its validated smart solutions in relation to the transformation of residential buildings toward Zero Emission Buildings, and convened policymakers, industry leaders and energy experts alongside market institutions. The agenda combined European market expertise (Voltalis leadership presenting project experience and cross-country pilot results) with national system developments, such as the introduction of Slovakia’s Energy Data Centre and discussion of how short-term markets are opening participation pathways for prosumers. This interplay between validated pilots and evolving market infrastructure is particularly relevant for European Commission services concerned with coherence between EU-level policy signals and national implementation conditions.

A fourth strand ensured that BungEES was present in European-level professional arenas where diffusion and replication often begin. At Pollutec 2024 (Paris), BungEES was one of 17 LIFE projects featured in a context explicitly designed for engagement with decision-makers, potential applicants and stakeholders, leveraging the LIFE Programme’s conference sessions and exhibition presence.

At Enlit 2024 (Milano, Italy) and 2025 (Bilbao, Spain), the project aligned its message with dominant transition narratives – digitalisation, AI, grid modernisation and flexibility – with the 2025 edition reported as gathering 15,000+ professionals and 600+ speakers. This type of presence strengthens the project’s contribution to European learning loops on how demand response and aggregated flexibility can be integrated into data-driven energy systems at scale.

Finally, the dissemination programme moved beyond awareness into replication-oriented engagement, explicitly testing the transferability of results and identifying policy levers required to unlock flexibility markets in different national contexts. In Sweden (29 September 2025), discussions with stakeholders across the flexibility value chain converged on a clear

message: Sweden has “significant untapped potential” for demand-side flexibility, but realisation depends on supportive regulation and open market access conditions; importantly, it was argued that solutions should be designed so consumers can benefit without needing continuous active involvement.

In Finland (Helsinki seminar, August 2025), the replication dialogue was explicitly anchored in EU law, with participants raising questions about the practical implementation of Article 17 of Directive (EU) 2019/944, showing how BungEES events can function as a practical interface between EU-level provisions and national stakeholder readiness.

The replication workshop in Greece (3 December 2025) then served as a capstone, presenting the project’s scalable “one-stop-shop” model integrating efficiency measures with demand response, e-mobility infrastructure, storage and distributed renewables, and reporting cross-country pilot impacts of 15–30% reductions in heating and cooling energy use alongside lower bills, maintained or improved comfort, reduced CO₂ emissions and flexible load support to the grid. The same event also linked technical replication with skills development through a demonstration of practical education using AR/VR tools, signalling an integrated pathway from pilot validation to workforce preparedness.

Taken together, the dissemination and communication actions documented in this report show that BungEES has not treated outreach as a visibility exercise alone. Instead, it has used communication channels and events to generate tangible outcomes: verified stakeholder interest (notably among ESCOs, municipalities and engineering communities), quantified market feedback and adoption signals from end users, media amplification at national level, and policy-relevant replication dialogues addressing market access, consumer participation, and the operationalisation of EU provisions. For the European Commission, these results provide a grounded picture of how near-market LIFE actions can translate validated pilots into structured stakeholder learning—and how the scaling of smart energy efficiency services can be supported by targeted regulatory clarity, market design and capacity building.

Main communication and dissemination activities

Portuguese National Prosumers Platform event (25.10.2023, Portugal)

The BungEES Portuguese Prosumers Platform Event took place in October 25, 2023 at the Arts and Entertainment Centre in Figueira da Foz – Portugal. ISR-University of Coimbra organized the event with the support of the municipality of Figueira da Foz. This event was organized in cooperation with two other sister LIFE projects, namely Own Your SECAP and REVERTER. This event included presentations, Q&A (Questions and Answers) sessions, debate sessions and round tables. The event had more than 100 participants being registered, but due to some last day cancelations and others not being able to attend all the event the number had a small reduction.

The BungEES project and its service model was presented to a vast audience of more than 80 people present from very different areas of expertise and institutions. The audience included people from the Portuguese-EU Climate Neutral and Smart Cities mission; Public institutions such as Portuguese Environment Agency (APA in Portuguese), National Entity for the Energetic Sector (ENSE), Portuguese Energy Agency (ADENE), Portugal 2030 Regional Fund Management Programme, National Directorate of Energy and Geology (DGEG), Professional Association of Engineers (OE), several representatives from municipalities (e.g. Cascais, Castelo Branco, Coimbra, Figueira da Foz, Guimarães, Ílhavo, Vagos, Tomar, etc.). Additionally, private associations, SMEs, ESCOs (e.g. Bright City, Cleanwatts, Coopérnico, Veolia Portugal, Contawatt, APESE-Portuguese ESCO Association, etc.), private citizens, consultants and other entrepreneurs also attended this event.

The diversity of the above-mentioned audience, allowed to disseminate the BungEES concept and business model to a broader audience which is extremely important in terms of dissemination objectives and awareness raising. The combination of the prosumers platform launch event with other LIFE Projects event allowed BungEES to reach a higher number of stakeholders increasing the project outreach.

The BungEES presentation was followed by a Q&A (Question and Answers) session which revealed a significant interested from the audience, namely the ESCOs and some municipalities present which showed to be interested in the potential business opportunities of BungEES concept.

Survey of FlexiSmart Home (18.12.2023, Spain)

A survey has been conducted with customers who participated in the pilot project in Spain. The aim was to obtain feedback from customers in the regions of Catalonia and Cantabria, where air-to-water and air-to-air heat pumps have been analyzed. These surveys included different types of questions, some focused more on customer feedback and others on the overall experience with the Voltalis system, as well as the benefits of the solution proposed by Voltalis. Customers were asked to rate their experience on a scale of 0-10, with zero being the worst experience and ten being very satisfied. The average satisfaction score was around 5-6 out of 10. More detailed information about this survey is available in deliverables D4.3 Validation and Test Plan and D4.4 Validation Report.

Presentation of the project on 10th Conference on Mining and Energy in Cantabria (07.03.2024)

Plenitude gave a presentation at the University of Cantabria on March 7, 2024, this presentation took place in Torrelavega, Cantabria and fifteen students and professors of the university attended this presentation. During this presentation, the students and professors of the University of Cantabria were explained the development of Plenitude and where the company is present to create knowledge of an energy company.

The main objective was to delve into the development of the European projects to which Plenitude is applying to make the audience see another way of generating business and developing innovative projects. During this presentation, they presented how a project of this nature is structured in the division of work packages, in the tasks that each collaborator of the project had to develop. The projects in which Plenitude is present were also presented.



Finally, the BungEES project was deepened, demonstrating the progress that had been made and the integration that is sought to have energy services such as photovoltaics, heat pumps, charging points, the smart thermostat and the storage battery. The idea of the prosumer was also developed, and this innovative concept was explained to the students since they will be participants in the coming years of the development of the energy system. Regarding the BungEES project, the results of the survey carried out on Plenitude customers were presented, in which it was shown that the FlexiSmart Home product is interesting for customers with a value of 72% and 34% of these customers would be willing to adopt it as a solution. With this, different installations have been presented so that students and teachers can identify an installation and the energy benefits that can be generated, such as the charging point, the solar installation or the control of heat pumps. Finally, the pilots that are being prepared to take place in Portugal and Spain have been presented.

Presentation about the project by Fraunhofer at Spring Servitization Conference (SSC2024) (13.05.2024, Germany)

The Spring Servitization Conference (SSC2024) was dedicated to understanding how organisations develop and adapt their business models through servitization and advanced services. The theme was Digital Service Innovation: Redefining Provider-Customer Interactions and was held in Tilburg, the Netherlands. The conference brought together the world's leading researchers, practitioners and doctoral students to debate and engage

with the theory and practice of servitization. SSC2024 comprised of the Servitization Doctoral Symposium (12th May) and the main Spring Servitization Conference (13th and 14th May).

Mahendra Singh, Anne Kesselring, and Marian Klobasa from Fraunhofer Institute for Systems and Innovation Research ISI, on behalf of BungEES project, presented an abstract “Re-imagining energy services: empirical analysis of demand-side as-a-service business models and use cases in energy sector,” a study on emerging and market-proven services (as-a-Service) business models for delivering digital services in the energy and building sector, conducted in a form of an online survey and semi-structured interviews combined with desk research.



[French prosumer survey \(20.12.2023, France\)](#)

The survey was conducted among users of flexibility services from residential heating in France with the following objectives: demographic and socio-economic profiling, assessment of sensitivity to environmental issues and demand response, exploration of the impact and potential of MyVoltalis application, and evaluation of the integration with other energy applications. The target audience were users of Voltalis smart heating services, who are based in France, had their systems installed before end of winter 2022/2023 and if possible, are using services of MyVoltalis app. The targeted sample is not representative of all Voltalis users, but a random one. In December 2023 and January 2024, 5988 emails were sent to selected customers, with 746 customers choosing to participate and answering the survey. More detailed information about this survey is available in deliverable D4.4 Validation Report.

[Presentation of the project at meeting with APES \(17.08.2023, Czech Republic\)](#)

Communication in the Czech Republic with the Energy Service Company was conducted through meetings and mutual exchanges. The discussion was conducted in the form of deliberation on predetermined topics. The discussion was held with The Association of Energy Service Providers (APES) of the Czech Republic. The association was established in October 2010 with the aim of contributing to the sustainable development of energy services in the Czech market. The association comprises 30 of the most significant companies in the field of energy services with a proven track record.

The 17 August 2023 meeting took place at APES premises. In the first part of the meeting, the BungEES project and its activities were introduced. The project's goals and outputs that will be useful to APES members were presented. The project partners, their work, and roles in the project were introduced. Furthermore, model examples of energy services and the created models of energy services that are part of the project were presented. Subsequently, a discussion on the topic of energy services was opened. In the next part of the meeting, the topic of Non-Energy Benefits was briefly introduced, followed by an extensive discussion.

[Presentation of the project on Pavilion of Education and Innovations at exhibition CONECO RACIOENERGIA 2024 \(20.03.2024, Slovakia\)](#)

The presentation of the BungEES project at the Coneco Racioenergia international exhibition in 2024 was an important part of the strategy to raise awareness of the project, its goals and outputs. The aim of our participation was to reach a wide range of people, from the public to professionals in the construction sector and media representatives.

Coneco Racionergia, taking place each year in Incheba Expo exhibition center in Bratislava, is a leading international trade fair for construction and energy efficiency, gathers a diverse range of exhibitors showcasing cutting-edge products and services. From building materials and equipment to energy-saving solutions and renewables, the fair attracts international participation, fostering business expansion and global networking. Visitors can engage with industry professionals, attend insightful conferences and seminars, and witness live demonstrations of the latest advancements in construction and energy sectors. This comprehensive event is a must-attend for anyone seeking innovation and connection within these dynamic fields.

The project was also presented on pavilion of education and innovation. The goal of the Pavilion was to show visitors to the fair the use of digitization and automation in teaching and practice. The pavilion also included presentations on the possibility of applying modern technologies in the construction industry. Participants could get acquainted, for example, with virtual, mixed or augmented reality, which is becoming an inseparable helper in the construction industry, with innovative ecological solutions for buildings, with green facades and roofs, with a 3D digital model of transport infrastructure, with measuring technology, geodetic stations, with the creation of GREEN and SMART solutions, with innovations in science and research and their application in practice, with examples of works in 3D programs, with smart home control and 3D printing and measurement by drones.



Presentation of the project on Slovak Construction Forum (21.03.2024, Slovakia)

The aim of the event is to familiarize participants with the latest trends and findings, exchange experiences among professionals, promote good practices and successful examples, and facilitate professional discussion among participants in investment construction. The event is intended for all participants in investment construction, public and private investors, developers, industry leaders, mayors and other public sector employees, managers of project and construction companies, representatives of secondary schools and universities, and, of course, member companies of ZSPS, members of chambers and professional associations.



Smart Energy Efficiency Services for Residential Sector workshop (19.06.2024, Spain)

The "Smart Energy Efficiency Services for Residential Sector" workshop took place in Santander on June 19, 2024 at "El Sardinero", the football field of Real Racing de Santander.

This workshop was differentiated into two parts; the first part was intended to make 5 presentations of 20 minutes by each of the speakers. These presentations focused on highlighting the different points that have been made in the BungEES project. "Business model concept for Smart Energy Efficiency services in residential sector", was presented by Jiri Karasek detailing the model and development of services in the residential sector. The second presentation was given by Juan Urresti in which "FlexiSmart Home, learnings and conclusions" was discussed. The process of creating the survey was explained, the development of the FlexiSmart Home concept and the benefits and conclusions of this project were presented, in which the interest on the part of Plenitude's customers stands out. For his part, Fabrice Sorriaux presented "Demand Response in residential sector" explaining the success story that Voltalis has developed in which they have integrated demand response in the residential sector. The fourth presentation was "X-as-a-Service Model in residential sector" This presentation was given by Mahendra Singh and Anne Kesselring, on the lessons that have been learned and how to create packages in energy services, customers have also been asked if they have signed a multiple contract to see the interest in integrating several services into a single package. Finally, Imen Gueniche gave a presentation, in which the topic of "Regulatory and Marketing Enablers and Barriers" was presented, all focused on services in the residential sector.

As for the second part of the workshop, a discussion table was held among which were the following personalities: Alicia Carrasco (ENTRA), Pierre Bivas (Voltalis), Aníbal de Almeida (ISR), Pablo Castro (UC) and Víctor Hernández (Plenitude), all moderated by Frantisek Doktor (Via Europa). In this panel discussion, topics such as flexibility were addressed from different areas since we had two universities and two experts on the subject such as Alicia and Pierre Bivas, in the same way flexibility regulation was introduced. This was the conclusion of a very complete event that was hosted by the city of Santander with renowned attendees from Cantabria such as personalities from Plenitude, Enertec, Racing de Santander or HomeServe, a leading maintenance company in Spain.



Presentation of the project at ISR Open Day (13.11.2024, Portugal)

The ISR Open Day, organised by the Institute of Systems and Robotics (ISR) of the University of Coimbra, is a flagship outreach and dissemination event designed to showcase the institute's research activities, technological capabilities, and societal impact. The event aims to open ISR's laboratories and research environment to a broad audience, including students, academic peers, industry representatives, public authorities, project partners, and the general public. Through this initiative, ISR promotes transparency, knowledge transfer, and engagement with stakeholders beyond the academic community.

The Open Day is structured around informal guided laboratory visits, live demonstrations, thematic presentations and networking sessions between the different research groups, allowing participants to interact directly with researchers and engineers. Demonstrations

typically cover ISR's main research domains, such as autonomous and mobile robotics, intelligent perception and control systems, medical and assistive robotics, human-centred technologies, and intelligent energy systems.

By presenting research outcomes in an accessible and practical manner, the event helps bridge the gap between fundamental research and real-world applications, highlighting how ISR's work contributes to industrial innovation, public services, and societal challenges.

From an organisational perspective, the ISR Open Day is coordinated centrally by the institute's management team, with active involvement from all research group leaders, doctoral and non-doctoral researchers, and technical staff. Each research area prepares dedicated exhibition spaces and demonstrations, ensuring a coherent yet diverse programme. This distributed organisation reflects ISR's multidisciplinary structure, while maintaining a common narrative focused on systems thinking, integration, and applied innovation.

Beyond dissemination, the Open Day plays a strategic role in capacity building and collaboration. It supports student recruitment, strengthens ties with industry and public stakeholders, and creates opportunities for future research partnerships and project development. As such, the ISR Open Day is not only an informal public engagement activity, but also a key instrument for reinforcing ISR's role within the University of Coimbra, the national research ecosystem, and European research and innovation initiatives.



Presentation of the project at TA3 Industry conference (15.10.2024, Slovakia)

Presentation of the project in panel discussion at TA3 Industry conference in Bratislava, Slovakia, with publication on TA3 TV news channel. The conference focused, among other things, on protecting Slovak industry from trade conflicts (especially with the US), customs threats, and protectionism, discussing the importance of export diversification, the consequences of escalating trade wars on the automotive industry (auto clusters), and the need to protect jobs in order to reassess the economy's dependence on the automotive sector.



Presentation of the project at EU-MORE national workshop (26.02.2025, Portugal)

This workshop was organized in cooperation with two more LIFE project, EU-MORE and KnownNEBs. The event took place on 26 February 2025 in the National Association of Engineers in Coimbra-Portugal, the main organizer was EU-MORE and BungEES was one of the invited projects. BungEES was presented as well as its pilots. The presentation had very good feedback from the audience, which was mainly constituted by Engineers and maintenance technicians.

The automated control of heat pumps made within the BungEES pilots at ISR buildings raised many questions, since in Portugal there is a large number of mono split heat pumps and the potential for reducing consumption in that equipment is very significant. No feedback questionnaire was made since this type of questionnaire has very low rate of response in these events, especially in the National Association of Engineers.



Presentation of the project at Portuguese High Level Event (25.06.2025, Portugal)

The event was largely disseminated using the communication channels (newsletters, social media, etc.) of ISR-University of Coimbra, University of Coimbra and Engineers Association center region. Additionally, ISR and the University of Coimbra made press-release, which was disseminated by 12 media entities (news available in the project shared under this event folder). This media entities/agencies include online and written press, as well as online news agencies and portals. One regional newspaper (Diário as Beiras) and one national newspaper (Jornal económico) published the event in its paper editions.

The event had an audience around 20 people (presence list available at the sharepoint), not very large but a good audience, with very good interaction with the speakers (during presentation and in the round-table) and with a large interest oh flexibility potential and especially monetization.

The audience included people from the Portuguese DSO (E-REDES), Portuguese Energy Agency (ADENE), Municipality of Coimbra, Power grid experts, two research institutes (INESC and IT), National Hospital Facility Management Company (SUCH), members of National Engineers Association, the Regional Director of the Engineers Association, energy service companies and other technical staff (electrical and mechanic engineers).

The workshop was divided in two parts, in the first part ISR (Anibal, Nuno Quaresma and Alexandre Matias) presented BungEES and the developed business model, as well as the results of Portuguese pilot developed at the DEEC building. Additionally, the case study on the ISR microgrid was presented, as well as its potential for resilience and creation of flexibility.

Moreover, in this part we had the collaboration of Fabrice and Pierre Bivas from Voltalis which participated remotely. Pierre Bivas made a very interesting testimony on Voltalis business and experience in demand response and flexibility. Pierre Bivas showed how flexibility-as-a-service can be a profitable business model and how it may evolve over the next years.

In the second part of the event a roundtable was made to discuss the potential of flexibility and how can flexibility prevent or mitigate the effects of future blackouts on the Portuguese electrical system.

The participants in the roundtable were Anibal de Almeida representing BungEES, Paulo Nogueira the national coordinator of energy transition from the Portuguese Energy Agency (ADENE), Pedro Carreira the deputy director of network planning from E-REDES the Portuguese DSO and Humberto Jorge a power grid expert from INESC (research institute).



Presentation of the project at Spanish High Level Event (08.07.2025, Spain)

The BungEES project was presented to the attendees explaining the solution that is being developed called FlexiSmart Home through which it seeks to integrate the energy services of the end customer, in this solution the integration of energy services such as solar panels, charging points, heat pumps and storage batteries is intended. All this must be integrated with non-energy services. Interest in the FlexiSmart Home solution was also tested, generating 72% positive responses from the more than 600 respondents. The pilots that are currently being carried out were presented, focusing on the pilot that is taking place in Spain through which 20 heat pumps are controlled, in which it has been shown that energy savings of 17% are being generated in customer consumption.

In addition to these two presentations by Juan Urresti, there was a round table discussion on "Consumers and prosumers: buildings can become active participants in energy systems" Pablo Castro, professor at the UC, and Rafael Riestra, who discussed topics such as the definition of the prosumer and the role that this type of customer has in energy companies. It was also seen that the university is also promoting electrification and aspects of the causes of the blackout in Spain and the importance of flexibility in the future were discussed.



Slovak BungEES High Level Event (12.09.2025, Slovakia)

On 12 September 2025, policymakers, industry leaders, and energy experts gathered in Bratislava for the 14th Stakeholders' Roundtable on the Development of Local Renewable Energy Sources and Smart Energy Services. Organised under the BungEES Project and co-funded by the EU LIFE Programme, the event showcased how validated smart energy solutions can help Europe meet the challenge of transforming its residential building stock into Zero Emission Buildings (ZEBs).

The roundtable was opened by Pavol Kováčik, President of ZSPS, who underlined the need for close collaboration between industry and policymakers. Pierre Bivas, founder of Voltalis and chairman of Demand Response for Europe (DR4EU), shared with stakeholders the experience of the BungEES project in providing flexibility for European energy markets through smart energy services in his presentation. Participants then heard from Eleonore Glendinning, Vice President for International Growth at Voltalis, who presented pilot results from Czechia, France, Portugal, and Spain.

From the Slovak side, Tibor Prekop of OKTE introduced the new Energy Data Centre, designed to manage market data and support system operators. Richard Modrák of KEKS highlighted how Slovakia's short-term electricity markets are opening the door for prosumers, enabling households and communities to play an active role in balancing supply and demand.

A panel discussion brought together Kováčik, Glendinning, Modrák, and Čulen of OKTE to debate the drivers of decarbonisation in Slovakia's energy system. Stakeholders actively interacted and contributed to a joint discussion. The event concluded with closing reflections from Kováčik and a networking lunch, where the debate continued informally.



Czech High Level Event (23.01.2025, Czech Republic)

On January 23, 2025, the ninth National Round Table was held in the Czech Republic. On this year's first meeting, focused on Upcoming Energy Efficiency Services, their impacts and requirements, three topics were discussed in depth by representatives of energy experts, banks, consultants, public administration and construction industry. Each topic has been prepared by a dedicated expert working group. Presenters, coming from respected institutions involved in each topic, introduced the background of a topic, laid out problematic aspects with respect to financing of energy efficiency projects and proposed correcting measures.

In his keynote, Pierre Bivas from French energy flexibility aggregator Voltalis opened the topic of energy flexibility in Europe, operational experiences and outlook. This was followed by a

presentation by Radka Vladyková, Executive Director of the Union of Towns and Municipalities of the Czech Republic, on the role and future of cities in energy efficiency and energy services.

In the main session, the three topics were presented and discussed in depth with the aim to translate international experience to yet to be developed market for energy flexibility in Czech Republic. First, Jiří Cigler, CEO of Feramat, and Jiří Karásek, senior consultant of SEVEN, The Energy Efficiency Center, shared Czech experience with energy flexibility. Second, David Škorňa, an energy expert for Prague 6 city district, presented upcoming challenges from municipalities' energy planning perspective set by recast EU directives on energy efficiency and on energy performance of buildings. Finally, Natalie Frankova, a representative of Association of Construction Entrepreneurs, talked about the prospects of construction value chain in new decentralized energy system. Innovation in energy services is a perspective solution all the topics shared.

In the end, Jaroslav Maroušek, chairman of board of directors of SEVEN, The Energy Efficiency Center, outlined policy measures proposed on previous meetings and their endorsement till the end of the round table series.

[Presentation of the project at Pollutec 2024 \(26.-27.11.2024, France\)](#)

Pollutec, the premier international trade show focused on environmental and climate solutions, took place in Paris on 26–27 November 2024, featuring active participation from the LIFE Programme. The two-day event gathered professionals from various sectors to present innovative strategies for tackling critical issues such as biodiversity loss, pollution, and climate change, with a special emphasis on European environmental challenges.

The LIFE Programme had a prominent presence at Pollutec. The Programme's participation included a series of high-profile conference sessions and a dedicated exhibition stand within the institutional hall to answer questions.

Key activities included a keynote speech by Paloma Aba Garrote, CINEA's director, during the opening session on Tuesday, 26 November, where LIFE presented its role in achieving the European Green Deal objectives.

On Tuesday afternoon, 26 November, LIFE hosted a case study session, sharing best practices from selected projects and showcasing the impact and results of LIFE projects.

On Wednesday, 27 November, LIFE organised two sessions on Green Assist and a workshop showcasing LIFE Programme close to market projects (C2M).

17 LIFE projects were featured, including BungEES, allowing representatives to engage directly with decision-makers, potential applicants, and other stakeholders.



Presentation of the project at Enlit 2024 & 2025 (22.-24.10.2024 & 18.-20.11.2025)

Enlit 2024 (Paris) and 2025 (Bilbao) events focused heavily on accelerating Europe's energy transition, highlighting digitalization, AI integration, grid modernization (smart grids, data), system flexibility, and electrification (e-mobility, industrial decarbonization) as key drivers, with major themes including securing competitiveness, ensuring grid resilience, and scaling innovation to meet climate goals through collaboration and advanced data use. 2024 discussed stalling transition risks, while 2025 showcased rapid progress with 15,000+ professionals, 600+ speakers, and a strong push for data-driven solutions like AI for grid management and demand response.

Both years underscored the urgency and complexity of the energy transition, with a strong consensus that digitalization, AI, and enhanced grid flexibility are crucial for achieving climate goals and maintaining European competitiveness, moving beyond analog systems to intelligent, data-driven energy networks.





Replication workshop in Sweden (29.09.2025, Sweden)

Sweden's energy system is undergoing a rapid transformation driven by the electrification of industry, transport and residential buildings. This transition is significantly increasing electricity demand while also placing greater stress on the power system. In this context, demand-side flexibility is increasingly recognised as a key lever to ensure system reliability, optimise the integration of renewable energy sources and limit grid reinforcement costs.

The objective of the seminar was to explore the potential of demand-side flexibility in Sweden and to discuss how market barriers could be removed to fully unlock this potential, particularly through appropriate market design and regulatory frameworks.

The seminar brought together key stakeholders from across the flexibility value chain, including Voltalis Power Circle, Sympower, Green Power Sweden and Energimarknadsinspektionen (the Swedish Energy Markets Inspectorate).

Eleonore Glendinning, VP of Growth at Voltalis, presented the BungEES project, highlighting how distributed energy resources (DER) in residential and building sectors can be aggregated and controlled to provide flexibility services to the power system. The presentation showcased pilots implemented in several European countries (Spain, Portugal, Czech Republic, France, etc...), illustrating how demand-side response can be activated at scale while delivering benefits for both the power system and end consumers. A key message was

that flexibility solutions must be designed so that consumers don't need to be actively involved in order to benefit from demand response services.

Other speakers shared perspectives on the current state of flexibility markets in Sweden, the role of aggregators and the need for clearer market access conditions. Particular emphasis was placed on the importance of opening electricity markets including wholesale markets to demand-side flexibility and on avoiding regulatory or market design barriers that could slow down its deployment.

The discussions converged on a strong consensus: Sweden has significant untapped potential for demand-side flexibility, which will be essential to support the ongoing electrification and to achieve climate and carbon neutrality objectives. Fully unlocking this potential requires supportive regulation, open and accessible markets and the recognition of flexibility as a key system resource. Demand-side flexibility was clearly identified as a cornerstone of a cost-effective, resilient and sustainable Swedish energy system.



Replication event in Finland (13.08.2025, Finland)

The BungEES seminar, held in Helsinki on 5th August 2025, brought together (12) business professionals, industry experts, and company representatives to discuss current trends and challenges in the provision of smart energy efficiency services. The event aimed to foster dialogue, share best practices, and encourage networking among participants, with a focus on emerging technologies and demand response through aggregation.

The event started with a presentation of the BungEES results and takeaways, followed by a discussion on the necessary conditions to enable the industrialisation of demand response and energy services in Europe and Finland.

Throughout the seminar, attendees had the opportunity to network with prominent industry figures. Notable interactions included conversations with representatives from mobile operators (Elisa), the National Research Centre (VTT), technology providers (Sympower), aggregators (Siemens Vibeco), industry and consumer associations (omakotiliitto) by sharing insights from their respective fields.

Participants raised questions regarding the practical implementation of Article 17 of the Directive (EU) 2019/944 of the European Parliament and of the Council of 5 June 2019, the impact of regulatory changes on business operations, and strategies for building effective cross-sector partnerships.



Replication roundtable in Slovakia (16.12.2025, Slovakia)

The 15th round table meeting of stakeholders of the Green Deal for Buildings took place at ZSPS, dedicated to discussing the Roadmap for Smart Energy Efficiency for Slovakia within the BungEES project.

The meeting provided a substantive exchange of views on the development of new-generation smart energy services, their application on the market, and the conditions that must be met in terms of legislation, technology, data availability, and the functioning of the

energy market. The discussion also touched on the new approach to prosumers and the development of energy communities, which are playing an increasingly important role in the implementation of green and smart solutions in buildings.

The program also included the presentation of seven educational programs aimed at preparing experts to implement smart technology solutions in the building sector and supporting the transition from pilot projects to common practice.

Meetings such as this confirm that cooperation between the public and private sectors is key to the successful transformation of buildings and energy in Slovakia.



Replication workshop in Greece (03.12.2025, Greece)

On the 3 December 2025 Replication workshop in Thessaloniki, Greece, final results of the BungEES were presented. Those included overview of the scalable “one-stop-shop” model for Smart Energy Efficiency Services (Smart EES), integrating traditional building energy efficiency measures with demand response, e-mobility charging infrastructure, battery storage, and distributed renewable generation, and solutions exploiting smart IoT devices and automation tools that turn common appliances (like heating and cooling systems) into interactive, flexible energy assets. Results from the pilot sites in France, Spain, Portugal and Czech Republic were presented as well, showing 15 to 30% reductions in heating and cooling energy use, lower electricity bills, maintained or enhanced comfort, reduced CO₂ emissions and flexible load support to the grid.

Workshop also included presentation of project REpowerEdU, aimed at continuing education and qualification scheme to support the commission's measures on decarbonisation of flexibility, reduction of the use of natural gas and flattening the energy peaks. Participants were given practical demonstration of practical education using AR and VR headset Meta Quest 3.



Project presentation at Construction Forum of Slovakia 2022 (25.10.2022, Slovakia)

Construction Forum of Slovakia 2022 was a conference organized by Association of Construction Entrepreneurs of Slovakia, with aim to familiarize participants with the latest trends and findings in the field of construction, exchange experiences among professionals, promote good practices and successful examples, and facilitate professional discussion among participants in investment construction. Project BungEES was briefly presented at the conference, together with several other European projects involved in construction sector.



Presentation of the project on 27th Ivan Poliačik Seminar – Road Engineering in Changing Conditions (14.-16.11.2022, Slovakia)

The XXVII Ivan Poliačik Seminar was held from November 14 to 16, 2022, at the Hotel Grand in Jasná. The central theme of this international event was "Road Engineering in Changing Conditions," focusing on the evolving challenges within the transportation sector. Organized by the Department of Transportation Engineering at the Slovak University of Technology in Bratislava in cooperation with the Slovak Road Association, the seminar provided a platform for experts to discuss road network development, sustainable construction materials, and advanced diagnostic methods for infrastructure maintenance. The program addressed the impacts of climate change on road design and highlighted innovative technological trends aimed at increasing the durability and efficiency of transport networks.



Presentation of the project at the meeting of employers with the Embassy of the Republic of Bulgaria (31.03.2023, Slovakia)

The goal of this meeting between Association of Construction Entrepreneurs of Slovakia, various Bulgarian construction entrepreneurs, and representatives of Bulgarian Construction Chamber was mutual exchange of ideas and experiences between the two countries. Project BungEES, as well as other European projects, were presented at the meeting.



Presentation of the project at Meetings of School Directors with Leading Representatives of Construction Contractors (02.03. & 19.05.2023, Slovakia)

Presentation of the project at Meetings of School Directors with Leading Representatives of Construction Contractors (02.03. & 19.05.2023, Slovakia) ZSPS
The meeting of school directors and leading employers from the construction industry was held at the Association of Construction Entrepreneurs of Slovakia (ZSPS) in Bratislava. The meeting was opened by Pavol Kováčik, President of ZSPS.

In the first part of the meeting, participants focused on a status quo analysis aimed at identifying the current needs of construction companies and analysing the state of vocational education and training (VET) in the construction sector in Slovakia. Particular attention was paid to the barriers hindering the effective linkage between education and practical training. This was followed by a brainstorming session dedicated to identifying possible solutions to the shortage of qualified professionals, reflecting on trends in employment development in the construction industry, supporting cooperation between stakeholders, and facilitating the implementation of innovative education concepts. The professional programme also included a presentation of the BungEES project, outlining its focus, objectives, and relevance for stakeholders from both industry and the education sector, as well as their potential to contribute to the achievement of the clean energy transition objectives in the construction industry through the preparation of skilled professionals.

Presentation of the project at Meeting of the Expert Commission of ZSPS for Emission-Free and Circular Construction (21.02.2023, Slovakia)

The commission meeting on 21 February 2023, at the ZSPS was dedicated to the tasks of the ZSPS in the field of ensuring zero-emission and circular construction and the start of a systematic solution to problems in this area, as well as the organization of work in the commission. The President of the ZSPS, Pavol Kováčik, emphasized that the issue of reducing the carbon footprint in the construction of projects, during the extraction of raw materials and the production of building materials with the intention of contributing to the reduction of the ecological debt and the reduction of the consumption of natural resources is in its infancy in Slovakia. All the more so, it is necessary to address these topics within the association and professionally assist the state administration in the field of conceptual and legislative, or normative, provision of the prerequisites for successfully mastering such demanding tasks that Slovakia faces.



Working Group for Coordination of Professional Education and Training in the Transport Sector (26.10.2022 & 05.04.2023, Slovakia)

During the BungEES project, Marek Malina, Secretary General of the Association of Construction Entrepreneurs of Slovakia (ZSPS), regularly participated in meetings of the working group at the Ministry of Transport of the Slovak Republic, which acts as the main sectoral authority for the construction industry. These meetings provided a unique platform

for communication, exchange of information, and dissemination activities among key stakeholders.

At the meeting held on 26 October 2022, the working group discussed current challenges in upper-secondary vocational education and training (VET) within the sector and explored appropriate solutions. At the conclusion of the meeting, Marek Malina informed the members of the working group—representing key stakeholders at national level—about projects aimed at supporting the development of human resources in the construction sector. He presented several national and international initiatives implemented by ZSPS, including the BungEES project, which contribute to the objectives of the European Green Deal by supporting vocational education and training, research and development, and the implementation of innovations for the clean energy transition of buildings.

[Presentation of the project at conference Crossroads of transport and economic interests \(07.09.2023, Czech Republic\)](#)

The conference Crossroads of Transport and Economic Interests took place on 7 September 2023 in Luhačovice, Czech Republic. The programme included panel discussions focusing on the completion of the priority transport infrastructure network in the context of the current economic situation, the state of project preparation and implementation, relevant legislative measures, as well as the economic context, financing options, and investment needs related to transport infrastructure development.

Pavol Kováčik, President of the Association of Construction Entrepreneurs of Slovakia (ZSPS), contributed to the conference with an expert presentation entitled Sustainable Construction of Transport Infrastructure and the Challenges of the Current Economic Situation. His presentation included a dedicated section introducing the BungEES project and its objectives, with a particular emphasis on the role of energy-efficient, low-emission, and sustainable construction practices in supporting the clean energy transition of the construction sector. The BungEES project was presented as a relevant initiative contributing to development of new generation smart energy efficiency services with “one-stop-shop” approach, that represents innovation uptake, and the implementation of sustainable solutions aligned with the objectives of the European Green Deal.



Presentation of the project at Meeting of the leaders of the Slovak construction industry (08.11.2023, Slovakia)

In November 2023, a high-level event was held in Bratislava with the participation of representatives of the state authorities for the construction sector, who discussed the expected development of the construction industry and the strategy for accelerating construction. Representatives of the Government of the Slovak Republic met with CEOs of construction and project companies.

As part of the program, the President of the ZSPS Pavol Kováčik presented the goals and starting points for the implementation of the BungEES project, which focuses on the development of a one-stop-shop approach in the offer of smart energy services of new generation for the residential real estate sector. During the conference, a BungEES rollup was placed in the conference room. At this regular professional event, which takes place in Slovakia and the Czech Republic, stakeholders - leaders of the construction sector meet with the highest state representatives, national authorities, where, with the help of this discussion platform, they discuss perspectives, innovations and trends, as well as the most pressing problems in the construction industry.

Presentation of the project at General meeting of social partners (11.12.2023, Slovakia)

On 11 December 2023, a general meeting was held in Bratislava with the Minister of Transport of the Slovak Republic and representatives of trade unions, such as the Association of Trade Unions of Transport, Posts and Telecommunications, with representatives of employers associated with the Union of Transport, Posts and Telecommunications of the Slovak Republic and with the Association of Construction Entrepreneurs of Slovakia. The meeting was opened by the Director General of the Personnel Office of the Ministry of Transport of the Slovak

Republic, Šimonovičová. The meeting provided information on the conceptual strategic and legislative intentions of the Ministry of Transport for 2024, the draft budget for 2024 to 2026 and the priorities of the Ministry for 2024 on behalf of the Ministry of Transport. Proposals and suggestions from social partners were discussed. For this event, a BungEES rollup was placed at the entrance to the meeting room and contributed to project awareness on high national level.



Presentation of the project at Meeting of friends of the construction industry (13.12.2023, Slovakia)

At the informal meeting with stakeholders, participants had the opportunity to learn about the activities of the Association, which were presented by the President of ZSPS, Pavol Kováčik, in his opening address. The meeting provided an excellent platform for informal

discussions and networking among a diverse group of stakeholders, including representatives from the construction and development sectors, investors, non-profit organizations, national authorities, local governments, and the education sector.

The conversations took place in a welcoming and collaborative atmosphere, creating opportunities to exchange knowledge and best practices. The presence of a BungEES roll-up displayed in the hall ensured high visibility of the project, supporting dissemination objectives and raising awareness of BungEES among key stakeholders in construction, education, and policymaking.

Competition of Construction and Crafts school teams EMI 2024 (11.04.2024, Slovakia)

BUILDING THE FUTURE EMI 2024 is an international competition of practical skills and professional knowledge of combined teams of students studying educational disciplines of electromechanics - bricklayer - plumber. The competition was held in the newly renovated Centre for Vocational Education and Training in Construction on April 11 and 12, 2024. Six three-member teams from the Czech Republic and Slovakia participated in the competition.

ZSPS was a partner of the competition, sponsoring and awarding valuable prizes to the winning teams, while actively promoting the objectives of the BungEES project. Throughout the event, a BungEES roll-up banner was displayed at the venue, here it informed students, teachers, and other participants on the project's aims and built awareness.

The competition was structured into two parts: a theoretical and a practical section. In the theoretical part, students completed a test covering key vocational subjects related to construction technologies and building systems. The practical part allowed students to demonstrate their skills through installation and construction works carried out in a combined bathroom and toilet facility, reflecting real-life construction scenarios.

The practical tasks included the construction of plasterboard partitions and a suspended ceiling; installation of electrical systems (house distribution board, LED spot lighting), ventilation equipment, and sockets; installation of intelligent (SMART) building solutions, such as a touch control system and thermostatic radiator valve with intelligent control; installation of an indoor air-conditioning unit; installation of a plaster module – 5-in-1 set; installation of heating distribution systems; installation of water supply systems and a water meter; and installation of a shower drain connected to the wastewater system. These tasks reflected key competencies promoted by BungEES, particularly in the areas of smart building technologies, energy-efficient systems, and integrated building services. The evaluation of the competition focused on compliance with technological procedures, quality of workmanship, correctness of installation, and adherence to occupational health and safety requirements (OSH).



[Conference on outcome of XaaS business model research \(14.05.2024, Germany\)](#)

Representatives from Fraunhofer Institute for Systems and Innovation Research ISI participated in the Spring Servitization Conference 2024, held in Tilburg and organised by Aston Business School in collaboration with The Advanced Services Group. The conference provided an in-depth exploration of smart service business models and the concept of servitization, bringing together perspectives from both academia and industry.

The programme featured a range of insightful presentations and discussions led by academic researchers and industrial practitioners, highlighting current developments and practical challenges in servitization-based business models. Within this context, Fraunhofer ISI presented the EU-funded BungEES project, showcasing ongoing work on the development of innovative energy service business models and engaging with conference participants on future research and application opportunities.



VUE meeting on information about Smart Finance for Smart Buildings (13.02.2025, Czech Republic)

Project dissemination was also carried out at the 69th meeting of the Committee for Sustainable Energy and Transport (Výbor pro udržitelnou energetiku a dopravu – VUE), which took place on 13 February 2025 at the Ministry of Environment in Prague. The committee represents an important expert platform bringing together representatives of public administration, policy makers and key stakeholders involved in national energy and climate policy.

Within the official programme of the meeting, doc. Ing. Jiří Karásek, Ph.D. delivered a presentation entitled “Development of New Energy Services”. The presentation focused on the outcomes of the Smart Finance for Smart Buildings round tables and on the development of new energy services, including testing of energy flexibility solutions abroad and in the Czech Republic. During this session, the LIFE project, its objectives, ongoing pilot activities and expected impacts were presented to the members of the committee and invited guests.

The meeting provided an important opportunity to disseminate project results to high-level decision makers and representatives of national authorities, including the Ministry of Environment and the Ministry of Industry and Trade. Feedback received from participants contributed to further discussion on regulatory and policy aspects relevant for the implementation of innovative energy efficiency services in the Czech Republic.

Presentation of the project on national round table Smart Finance for Smart Buildings (23.01.2025, Czech Republic)

The ninth Czech National Round Table was held on 23.01.2025. This meeting focused on upcoming energy efficiency services, their impacts and requirements. Various topics were discussed in depth by representatives of energy experts, banks, consultants, public administration and construction sector. Each topic has been prepared by a dedicated expert

working group. Presenters, coming from respected institutions involved in each topic, introduced the background of a topic, laid out problematic aspects with respect to financing of energy efficiency projects and proposed correcting measures. Beyond the main discussion, this round table welcomed international guest – Pierre Bivas from French energy aggregator Voltalis opened the topic of energy flexibility in Europe, operational experiences and outlook. That was followed by a presentation by Radka Vladyková, Executive Director of the Union of Towns and Municipalities of the Czech Republic, on the role and future of cities in energy efficiency and energy services.

In the main session, main topics were presented and discussed in depth with the aim to translate international experience to yet to be developed market for energy flexibility in Czech Republic. First, Jiří Cigler, CEO of Feramat, and Jiří Karásek, senior consultant of SEVEN, The Energy Efficiency Center, shared Czech experience with energy flexibility. Second, David Škorňa, an energy expert for Prague 6 city district, presented upcoming challenges from municipalities' energy planning perspective set by recast EU directives on energy efficiency and on energy performance of buildings. Finally, Natalie Frankova, a representative of Association of Construction Entrepreneurs, talked about the prospects of construction value chain in new decentralized energy system. Innovation in energy services is a perspective solution all the topics share.

In the end, Jaroslav Maroušek, chairman of board of directors of SEVEN, The Energy Efficiency Center, outlined policy measures proposed on previous meetings and their endorsement till the end of the round table series.





Presentation of the project on IISA 2024 conference (17.07.2024, Greece)

The IISA conference series is an international forum for researchers and professionals in all areas of Information, Intelligence, Systems and Applications. The conference series offers a forum for the constructive interaction and prolific exchange of ideas among scientists and practitioners from different research fields – such as computers, mathematics, physics, biology, medicine, chemistry, experimental psychology, social sciences, linguistics, and engineering – having the goal of developing methodologies and tools for the solution of complex problems in artificial intelligence, biology, neuroscience, security, monitoring, surveillance, healthcare, sustainability in energy sources, governance, education, commerce, automation, robotics, optimization, image, speech and natural languages, and their integration.

Presentation of the project at FlexCon 2025 conference (24.-25.09.2025, Belgium)

FLEXCON2025 is a two-day conference dedicated to Energy Flexibility, which highlights specific Smart Energy related topics, with keynote speeches, presentations, and workshops. BungEES' results were presented in day 2 of the conference in front of dozens of energy professionals and experts. Questions related to the project's results as well as the mechanisms to ensure demand response's access on power markets without barrier, to benefit all energy users.

Presentation of the project at Portugal Capacity Building for Better Use of LIFE II - INTER LIFE PT event (20.-21.03.2025, Portugal)

The BungEES project was presented during a poster session at the Portugal Capacity Building for Better Use of LIFE II – INTER LIFE PT, an initiative organized by several Portuguese

Government Agencies (e.g. Environmental Agency, National Directorate of Energy, Institute for Nature Conservation and Forests and the Department of Environment and Climate Action). This event is focused on strengthening national capacity for effective participation in the LIFE Programme. The poster session provided an accessible and informal setting that encouraged dialogue, knowledge exchange, and direct engagement with a diverse audience.

The BungEES poster was designed to clearly communicate the project's objectives, methodology, and expected impacts. Visual elements played a central role, helping visitors quickly understand the core challenges addressed by the project and the innovative solutions being developed. Key messages were supported by concise text, diagrams, and practical examples, making the information easy to grasp even for participants who were not previously familiar with the project's thematic area.

Throughout the session, members of the ISR-university of Coimbra (Portuguese BungEES partner) were present to explain the poster, answer questions, and discuss the project in more detail. This face-to-face interaction proved especially valuable. It allowed for tailored explanations depending on the background of each visitor, whether they were policymakers, technical experts, project managers, or representatives of other LIFE-funded projects. Many discussions focused on how BungEES aligns with LIFE priorities, its potential for replication, and the lessons learned that could be useful for future projects.

The poster session also served as a networking opportunity. By presenting BungEES alongside other initiatives, the project team was able to exchange experiences, identify common challenges, and explore possibilities for collaboration. Overall, the poster-based presentation proved to be an effective format for showcasing BungEES within the context of capacity building, ensuring visibility while fostering meaningful conversations around project development, implementation, and impact.



Presentation of the project at C4E Forum (21.05.2025, Czech Republic)

The BungEES project was presented at the international C4E Forum 2025, which took place from 20 to 23 May 2025. The event focused on energy efficiency in buildings in Central and Eastern Europe, particularly on EPBD and EED implementation, renovation financing, digital innovation, technical building systems, and energy poverty. Jiří Karásek presented the BungEES project, its objectives, and outputs at Session 2c: Self-financing through Energy Savings – Energy as a Service, which was held on 21 May. The title of the presentation was "Developing Integrated Package of Smart Energy Efficiency Services."



Presentation of the project at Central Europe towards Sustainable Building 2025 conference (16.-19.09.2025, Czech Republic)

Project dissemination was carried out at the international conference CESB25 – Central Europe towards Sustainable Building 2025, which is one of the major professional events in the field of sustainable construction, energy efficiency and decarbonisation in Central Europe. Within this event, the project was presented through a presentation delivered by doc. Jiří Karásek, Ph.D. The presentation entitled “Piloting of New EE Services in the Czech Republic” introduced the main objectives and results of the project, including the context of decarbonisation and climate neutrality, the importance of new energy services, the goals of smart energy-efficient services, and the model of new service packages and integrated solutions. Special attention was given to the Czech pilot project and its practical implementation.

In addition to the oral presentation, a scientific paper based on the project outcomes was prepared and accepted for publication in the CESB25 Technical Proceedings. The proceedings are published in open access with ISBN and are publicly available online, ensuring long-term accessibility and wide dissemination of project results to the professional community. The publication is available at: [https://cesb.cz/wp-content/uploads/2025/11/CESB25 Proceedings Technical.pdf](https://cesb.cz/wp-content/uploads/2025/11/CESB25_Proceedings_Technical.pdf)

Presentation of the project at Days of Slovak Road Builders 2025 conference (18.09.2025, Slovakia)

On 18 September 2025, Pavol Kováčik, President of ZSPS, presented an overview of the current development of construction production in Slovakia, with a particular focus on certification processes and quality standards in the construction sector. He highlighted key trends, challenges, and opportunities affecting the industry at national and European levels.

His presentation also outlined the main activities of the association and its active involvement in the BungEES project. In this context, he informed conference participants – primarily representatives of construction companies and national authorities – about the development of an integrated package of new intelligent Energy Efficiency Services (EES). These services aim to support higher energy performance of buildings, contribute to sustainability objectives, and enhance the competitiveness of the construction sector.



Presentation of the project at TA3 Energy Industry conference (11.11.2025, Slovakia)

The conference TA3 Energy focused on critical issues for the energy sector, including energy security in an era of geopolitical change, the green transition and renewable energy, and the practical realities of energy efficiency versus vision. A central theme was energy savings, summarised by the maxim: “The cheapest energy is the energy we do not consume.”

Representatives of the Association of Construction Entrepreneurs of Slovakia (ZSPS), Marek Malina and Lenka Rochfaluši, participated in the programme of the conference. A digital roll-

excellent opportunity for the dissemination of BungEES project outputs and for engaging a broad audience of policymakers, industry representatives, and other key stakeholders.

Marek Malina took part in the panel discussion People, Skills, and Education in the Industrial Sector.



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