



iBRoad2EPC national outreach

National events and networking briefing

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EXECUTIVE SUMMARY

The iBRoad2EPC project advances energy efficiency in Europe by integrating elements of the building Renovation Passport with Energy Performance Certificates (EPCs), offering a structured, practical approach to sustainable building renovations. Expanding on the earlier iBRoad initiative, iBRoad2EPC now includes multi-family and public buildings, aligning renovation practices with EU climate and energy goals.

Through over 74 national events across six implementing countries, iBRoad2EPC engaged many stakeholders, including policymakers, auditors, and industry experts. The project's involvement with networks, projects, and stakeholders involved in SMAFIN and SMAFIN Expanded projects, the Renovate Europe Campaign, national associations, and National Advisory Committees (NACs) facilitated knowledge sharing, considerations on adaptation to local contexts, and collaboration on renovation strategies.

These efforts have positioned iBRoad2EPC as a model for structured, scalable renovations. The project supports Europe's energy transition by providing tools and insights, offering practical solutions tailored to diverse building needs.

This report highlights major national events organised by iBRoad2EPC partners in order to exchange and discuss its vision at country level, as well as events organised by third parties where iBRoad2EPC was part of the agenda.

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INTRODUCTION

The iBRoad2EPC project represents a significant evolution in energy performance assessment, integrating building Renovation Passport elements into Energy Performance Certificate (EPC) schemes to create a more comprehensive, adaptable tool for assessing and guiding building renovations. Building on the foundation and learnings established by the iBRoad project (2017-2020)—which developed a model to support single-family homeowners with personalised, stepwise renovation guidance—iBRoad2EPC aims to link the Renovation Passport with the EPC to enhance, enrich and make it more user friendly and affordable, and to expand the tool's applicability beyond single-family homes to multi-family and public buildings. This integration also expands tools' scope and coverage, enhancing their combined reliability and effectiveness.

iBRoad2EPC's activities centred around understanding the needs, potential, and practicality of combining Renovation Passport elements with EPCs. This includes adapting the iBRoad concept to fit within the EPC framework and creating a cohesive approach that provides actionable renovation roadmaps. The project has been tested and evaluated in six European countries—Bulgaria, Greece, Poland, Portugal, Romania, and Spain. Energy auditors and EPC issuers received specialised training to apply the iBRoad2EPC model, tailoring it to each region's unique context.

A central aspect of the project was fostering widespread adoption across Europe. Through the National Advisory Committee (NAC) meetings, the project worked directly with national authorities to integrate iBRoad2EPC into existing EPC schemes. The project aimed to promote acceptance and uptake of this enhanced EPC model through targeted communication, dissemination, and policy advocacy at national and EU levels. iBRoad2EPC also drew knowledge and outcomes from related initiatives, expanding the EPC functionality and contributing valuable insights for policy development, training, and capacity building.

In this way, iBRoad2EPC is advancing energy performance assessments, supporting Europe's decarbonisation goals, and enhancing conditions for building occupants by creating a new generation of EPCs tailored to diverse building needs.

In addition to its core objectives, the iBRoad2EPC project is committed to enhancing energy performance knowledge and awareness across Europe through a comprehensive, multi-channel communication strategy tailored to national and regional contexts. The project prioritised strong local engagement within its six implementing countries, where participation in national events and involvement in established networks served as key platforms for disseminating findings, tools, and deliverables. Implementing countries hosted national events showcasing iBRoad2EPC's advancements, fostering robust national dialogues and amplifying visibility at the local level.

To broaden its reach, iBRoad2EPC partners in non-implementing countries were encouraged to attend at least one national or regional event, extending the project's influence beyond its primary regions.

Pilot country leaders were critical in coordinating event participation and network activities, working closely with other consortium partners to ensure impactful representation. Equipped with up-to-date reference materials, presentations, and other communication tools, they actively disseminated iBRoad2EPC's insights and tools. This extensive engagement highlights the project's commitment to national and regional presence as documented in the present report.

OVERVIEW: NATIONAL EVENTS

A total of 74 national/regional events have been recorded with approximately 2,000 attendees, showcasing iBRoad2EPC's proactive involvement with diverse stakeholders across various formats, from conferences and workshops to training and trade fairs. With 19 conferences, 35 workshops including meetings within the so-called iBRoad2EPC National Advisory Committees (NACs), 10 training sessions including training for energy auditors and/or construction professionals, and a few other miscellaneous formats, each event has been strategically selected to advance discussions on the perspectives of the iBRoad2EPC concept in promoting energy efficiency and sustainable practices in the built environment. The project's extensive participation in these events reflects its dedication to facilitating knowledge transfer, aligning with national renovation strategies, and supporting sustainable practices from the ground up. This coordinated approach strengthens awareness of energy efficiency and climate resilience at the grassroots level and contributes significantly to Europe's overarching goals in these critical areas.

This report captures and presents key national or regional events where the iBRoad2EPC project was showcased, highlighting its active engagement across various forums and networks. This chapter also presents a summary of each country's relevant activities, while Annex I provides further details on key national events.

Through these events, iBRoad2EPC effectively communicated its goals, shared insights, and fostered connections that are instrumental in advancing energy efficiency and sustainable renovation practices. Each event provided a platform for the project to interact with local stakeholders, emphasising iBRoad2EPC's contributions to energy performance assessment and alignment with national and European decarbonisation objectives.

Through these activities, iBRoad2EPC reinforced its role as a key player in advancing structured renovations across Europe, tailoring its approach to address each country's unique challenges and policy landscapes. By promoting the building Renovation Passport as an actionable, locally adaptable solution, iBRoad2EPC built a strong foundation for knowledge transfer and stakeholder collaboration.

BULGARIA

Bulgaria played a central role in the iBRoad2EPC project's outreach and implementation, with EnEffect leading several impactful events to raise awareness and deepen technical knowledge around energy-efficient renovations. At the EPBD Conference: Towards an Energy-Efficient and Climate-Neutral Building Stock in Sofia (May 2022), iBRoad2EPC was highlighted as a critical tool in Bulgaria's efforts to meet the EU's updated Energy Performance of Buildings Directive (EPBD) requirements. The conference assembled policymakers, energy experts, and industry stakeholders to discuss how integrating building Renovation Passports with EPCs could directly support Bulgaria's decarbonisation goals. EnEffect showcased how iBRoad2EPC provides a structured, actionable roadmap for stepwise renovations, helping to bridge the gap between national energy policies and practical implementation at the building level.

Bulgaria's National Renovation Day (August 2022), also organised by EnEffect as part of the Renovate Europe initiative, provided a prominent platform for presenting iBRoad2EPC as a viable model for Bulgaria's renovation strategy. Through detailed presentations and case studies, EnEffect highlighted the iBRoad2EPC building Renovation Passport as a guiding tool for building owners and managers, showing how it supports systematic energy upgrades. Attendees, including government officials, industry representatives, and community leaders, discussed the value of phased renovations, solidifying iBRoad2EPC's role as a key tool in supporting Bulgaria's energy and climate targets.

In 2023, auditor training sessions held across Bulgaria equipped local professionals with the technical skills needed to implement the iBRoad2EPC tools effectively. The sessions covered the practical applications of the iBRoad2EPC building Renovation Passport and the iBRoad2EPC Assistant tool, which provides a structured approach to phased renovations. These training events were essential in developing a skilled workforce

capable of conducting accurate energy assessments and advising on cost-effective, sustainable renovations, ensuring that iBRoad2EPC's methodologies are fully integrated into Bulgaria's energy transition efforts.

GREECE

In Greece, iBRoad2EPC activities focused on linking national recovery initiatives with sustainable renovations, with INZEB and Sympraxis Team spearheading events designed to engage stakeholders across government, industry, and energy sectors. Renovate Europe Day 2021, a key event, explored how Greece's National Recovery and Resilience Plan could support building renovations contributing to climate-neutrality goals. iBRoad2EPC was introduced as a practical solution to facilitate these renovations, with project representatives presenting the iBRoad2EPC building Renovation Passport as an essential tool for guiding building owners through step-by-step improvements. The event garnered significant interest from policymakers and energy professionals, who discussed how the project's phased renovation model could be applied within Greece's national energy strategies to optimise funding allocation and reduce energy consumption.

Greece organised multiple National Advisory Committee (NAC) meetings. The NAC meetings fostered dialogue among key Greek stakeholders, examining how the iBRoad2EPC building Renovation Passport's structured approach could address Greece's unique renovation challenges and drive compliance with EU energy targets. Meanwhile, the training sessions focused on equipping Greek energy auditors with hands-on experience using the iBRoad2EPC Assistant tool, empowering them to deliver accurate, actionable renovation plans aligned with Greece's climate goals.

POLAND

In Poland, KAPE led extensive activities focused on developing local capacity and aligning iBRoad2EPC with Poland's energy policy framework. A critical event, the Meeting with a KAPE Expert (June 2024), introduced iBRoad2EPC's tools and methodologies to a broad audience of Polish energy professionals, policymakers, and stakeholders. The session highlighted the iBRoad2EPC building Renovation Passport as a structured renovation tool that complements the existing EPC framework, supporting energy savings and emissions reductions. Attendees engaged in discussions on the potential integration of iBRoad2EPC within Poland's national energy strategy, expressing interest in how the phased renovation approach could optimise renovation processes and improve cost efficiency.

KAPE also organised a series of National Advisory Committee (NAC) meetings that brought together representatives from government agencies, industry associations, and technical experts to discuss how iBRoad2EPC could enhance Poland's energy certification processes. These meetings provided a collaborative space for addressing Poland's specific renovation challenges, such as the need to scale the building Renovation Passport to suit Poland's diverse building stock. Through these discussions, KAPE established iBRoad2EPC as a key contributor to Poland's energy renovation policies and climate objectives.

Poland's auditor training sessions were critical for equipping local auditors with the skills to implement iBRoad2EPC tools effectively. These sessions included practical exercises with the iBRoad2EPC Assistant tool, which helps auditors create reliable, phased renovation plans. By training local professionals in structured renovation practices, Poland strengthened its capacity to meet national and EU climate targets, positioning iBRoad2EPC's methodologies as an integral part of Poland's energy transition.

PORTUGAL

In Portugal, ADENE was central in promoting iBRoad2EPC through technical training and advisory sessions tailored to Portugal's unique renovation needs. The auditor training sessions introduced Portuguese auditors to the iBRoad2EPC building Renovation Passport's phased approach, providing detailed guidance on integrating iBRoad2EPC's tools within Portugal's existing EPC framework. These sessions equipped auditors with the skills to plan cost-effective, energy-efficient renovations, enabling them to support Portugal's national energy goals and meet EU energy efficiency standards.

Portugal also organised multiple NAC meetings that included representatives from government, industry, and energy services sectors. These meetings focused on exploring how iBRoad2EPC's tools could be embedded within Portugal's regulatory landscape, with discussions on adapting iBRoad2EPC to Portugal's specific building types and energy needs. The NAC meetings were a foundation for fostering collaboration across sectors, building consensus on iBRoad2EPC's role in driving energy efficiency and reducing carbon emissions within Portugal's built environment.

ROMANIA

URBAN INCERC led iBRoad2EPC's activities in Romania, prioritising engagement with the energy auditing community and adapting project tools to Romania's national energy framework. A pivotal event, the EPBD Conference (November 2021), organised by the Association of Energy Auditors for Buildings in Romania, provided an ideal platform for discussing iBRoad2EPC's phased renovation approach. URBAN INCERC presented the iBRoad2EPC as a solution for improving EPC reliability and usability, which resonated with Romanian energy auditors facing challenges in achieving compliance with national energy standards.

Romania's NAC meetings allowed stakeholders, including government representatives and energy experts, to collaboratively explore how iBRoad2EPC could enhance Romania's energy certification framework. These sessions provided valuable insights into Romania's renovation needs and iBRoad2EPC's potential to drive structured, phased renovations. By fostering a dialogue on overcoming barriers to adoption, Romania built a foundation for iBRoad2EPC's integration into its national energy strategies, strengthening its capacity to meet EU climate and energy targets.

SPAIN

In Spain, GBCe and Ciclica facilitated iBRoad2EPC's promotion through a mix of NAC meetings and national conferences, each to discuss the relevance of iBRoad2EPC's building Renovation Passport within Spain's energy framework. The event, "*The New European Directive on the Energy Performance of Buildings: An Opportunity for Change?*" (July 2022), explored Spain's strategy for leveraging the EPBD to meet its climate-neutrality goals. iBRoad2EPC was featured as a valuable solution, with project representatives presenting iBRoad2EPC as a tool for structured, phased renovations across Spain's building sector. Policymakers, energy agencies, and industry leaders participated in discussions on policy reform, examining how iBRoad2EPC could be adapted to strengthen Spain's energy performance assessments.

Spain also hosted several NAC meetings that allowed Spanish stakeholders to delve into the technical integration of iBRoad2EPC within the EPC framework. These meetings included government bodies, energy experts, and industry representatives; all focused on examining iBRoad2EPC's potential as a standardised tool in Spanish energy renovations. The discussions underscored Spain's interest in adopting iBRoad2EPC's approach to support sustainable building practices, aligning with both national and EU climate objectives.

CONCLUSIONS

The iBRoad2EPC project significantly broadened its reach across Europe by engaging strategically within national and regional networks, fostering connections with various stakeholders focused on advancing energy efficiency in building renovation. Through targeted involvement in platforms like the SMAFIN project stakeholder networks, Renovate Europe Campaign, and National Advisory Committees (NACs), iBRoad2EPC facilitated meaningful dialogues with decision-makers, policymakers, and energy experts. These interactions were instrumental in aligning iBRoad2EPC's goals with existing and emerging national energy policies, creating pathways for knowledge exchange and fostering sustainable renovation practices deeply embedded in local and regional contexts.

At the heart of iBRoad2EPC's networking efforts were collaborative partnerships with government ministries, energy agencies, and influential institutions dedicated to shaping national energy and climate agendas. Through active involvement with these entities, iBRoad2EPC provided insights on phased renovation models and financing structures, demonstrating how structured, stepwise renovations could meet the unique challenges posed by existing building stocks and the evolving requirements for energy efficiency. This engagement enabled iBRoad2EPC to offer practical and innovative renovation models, reinforcing its relevance to diverse national energy strategies and making its resources accessible to both policy shapers and local implementers.

The project's connection with NACs across Europe established a cornerstone for embedding iBRoad2EPC's methodologies within national energy frameworks. These advisory bodies, composed of cross-sector stakeholders from policy, industry, and technical domains, created a sustained channel for iBRoad2EPC to disseminate its results, gather feedback, and evolve in response to real-world implementation challenges. By using the NAC structure as a framework for collaboration, iBRoad2EPC could work closely with these multi-stakeholder groups to refine the building Renovation Passport, aligning its benefits with pressing needs in sustainable renovations. Through these collaborative efforts, iBRoad2EPC maintained a continual improvement cycle, ensuring its approaches were responsive to emerging trends in energy performance regulation and adaptable to changing market dynamics.

ANNEX I: DETAILED PRESENTATION OF MAJOR NATIONAL EVENTS

BULGARIA

Investments in Sustainable Energy (March 2022)

The Forum “*Investments in Sustainable Energy*”, a National Round Table on Financing Energy Efficiency Investments in Bulgaria, took place on March 16-17, 2022, organised by the Center for Energy Efficiency EnEffect, the National Trust Eco Fund, and the Municipal Network for Energy Efficiency EcoEnergy. The national conference, titled “*Energy Management in Municipalities and Investments in Sustainable Energy*”, was held at the Samokov Hotel in Borovets and accessible online through Zoom.

The conference focused on the challenges stemming from reforms under the National Recovery and Resilience Plan and the anticipated new operational programmes, particularly the reduced availability of direct public funding for energy efficiency projects. Participants discussed the persistent administrative, legal, technical, and financial barriers hindering market-financed energy efficiency and renewable energy projects and the current energy crisis, which has heightened interest in such investments while underscoring the struggles faced by energy-vulnerable businesses, municipalities, and households. Given the anticipated need for co-financing in building renovation programmes, establishing a clear definition of energy poverty emerged as an essential requirement.

A significant presentation during the forum included the iBRoad2EPC project, which EnEffect introduced. The iBRoad2EPC project showcased its approach to enhancing energy management by integrating building Renovation Passport elements with Energy Performance Certificates (EPCs), providing a structured, step-by-step roadmap for building renovations that addresses specific needs and aims to improve overall energy efficiency.

➤ [See online information](#)

Towards an Energy-Efficient and Climate-Neutral Building Stock (April 2022)

At the conference “*Towards an Energy-Efficient and Climate-Neutral Building Stock*”, held on April 13, 2022, significant focus was given to addressing upcoming changes in the Energy Performance of Buildings Directive (EPBD) and their implications for Bulgaria’s building sector. Organised by Habitat for Humanity Bulgaria, the conference gathered influential figures from the government, the energy sector, and policy circles to discuss strategic approaches for achieving energy efficiency and decarbonisation targets within the Bulgarian context.

A notable contribution to the conference came from EnEffect, a key partner of the iBRoad2EPC project, who presented the project’s objectives and innovations. Representing iBRoad2EPC, the EnEffect representative highlighted the project’s role in advancing energy-efficient building upgrades by integrating elements of the building Renovation Passport with Energy Performance Certificates (EPCs). This integration provides a systematic, tailored renovation roadmap that enables building owners and managers to undertake phased renovations with a clear focus on improving energy performance. The iBRoad2EPC model offers a pragmatic tool that enhances the accuracy and effectiveness of EPCs, aligning high-level EU policy goals with practical solutions tailored to Bulgaria’s building stock.

The participation of prominent national and European leaders, including Members of the European Parliament, the Ministry of Environment and Water, the Ministry of Regional Development and Public Works, the Bulgarian Energy Efficiency Agency, the European Climate Foundation, and the Bulgarian Facility Management Association, enriched the event’s agenda. The experts addressed the need for updated policy frameworks, effective financing models, and the importance of aligning national renovation strategies with the EU’s broader decarbonisation objectives.

The presence of iBRoad2EPC at this event underscored its commitment to supporting Bulgaria’s energy transition through actionable, localised renovation strategies. The iBRoad2EPC model contributes

significantly to developing a climate-neutral building sector by providing a bridge between policy and implementation. Through events like this, iBRoad2EPC is vital in informing national strategies, facilitating the adoption of best practices, and reinforcing the collaborative effort required to meet national and European energy efficiency targets.

➤ [See online information](#)

National Renovation Day Bulgaria 2022 (November 2022)

The National Renovation Day, held on November 8, 2022, marked its third annual event focusing on advancing energy-efficient renovations across Bulgaria. This hybrid event, organised by the Renovate Bulgaria association in partnership with the European Renovate Europe campaign, took place in person at the Chamber of Builders in Bulgaria and online via Microsoft Teams. The conference aimed to promote urgent, energy-efficient building renovations as a sustainable response to Bulgaria's rising energy costs and the EU's goal of reducing building stock energy consumption by 80% by 2050.

A notable feature of the event was the presentation of the iBRoad2EPC project. The project was highlighted as a progressive approach to improving energy efficiency by integrating elements of the building Renovation Passport with Energy Performance Certificates (EPCs). The iBRoad2EPC model offers a structured renovation roadmap tailored to specific building needs, enabling property owners and managers to make informed, step-by-step improvements that support national and EU decarbonisation objectives. The project's role in bridging policy goals with actionable building-level renovations aligns with Renovate Bulgaria's vision, underscoring the importance of empowering stakeholders with practical tools to make energy-efficiency investments that are effective and sustainable.

Renovate Bulgaria, a coalition promoting energy-efficient renovation in Bulgaria, emphasises that “*the cheapest and cleanest energy is saved energy*”. Given the current energy crisis, energy-efficient renovations are increasingly seen as a vital, long-term investment rather than an immediate expense. As part of 2022 National Renovation Day, leaders discussed the impact of efficient renovations on reducing energy costs, combating energy poverty, and strengthening Bulgaria's competitiveness aligned with EU climate targets.

Since its launch in 2020, National Renovation Day has advocated for stronger political and public support for energy-efficient renovation, positioning it as the most sustainable pathway for Bulgaria to achieve its strategic energy goals. iBRoad2EPC's participation reinforced the event's mission by demonstrating how innovative renovation frameworks can contribute directly to Bulgaria's and Europe's broader decarbonisation efforts.

➤ [See online information](#)

GREECE

The National Recovery and Resilience Plan – Investing in Building Renovation for a Climate-Neutral Future (October 2021)

On Thursday, October 21, 2021, INZEB and GIZ organised the online event “*The National Recovery and Resilience Plan: Investing in Building Renovation for a Climate Neutral Future*” as part of Renovate Europe Day 2021. The event, attended by 150 participants, highlighted the significance of building renovation as a core strategy for achieving the European Union's climate-neutral economy target by 2050. Discussions covered essential elements that can support this objective by implementing the National Recovery and Resilience Plan.

The event focused on the opportunities and challenges inherent in the investments for building renovation outlined in the National Recovery and Resilience Plan, emphasising the long-term strategies and specific targets for renovation in Greece. Updates on the EU's new legislative requirements under the “*Fit-for-55*” package were presented, showcasing how they contribute to advancing sustainable renovations across member states. The EU Taxonomy on Sustainable Financing was introduced as a tool for defining sustainable

investments with high energy-saving standards, alongside the concept of building Renovation Passports, which support comprehensive, staged renovations that avoid renovation lock-in effects.

One-Stop Shops were discussed as a mechanism to assist regional and local authorities in implementing suitable renovation schemes and in monitoring renovation performance. The H2020 projects iBRoad2EPC and Triple-A, as well as the Build Back Better Greece initiative, were supporting partners of the event, with iBRoad2EPC specifically mentioned and discussed for its role in promoting holistic approaches to building renovation through structured tools like building Renovation Passports, aiming to drive sustainable and impactful renovations across Europe.

Speakers at the event included Adrian Joyce, Director of the Renovate Europe Campaign; Dimosthenis Voivontas, Head of the Monitoring and Support Directorate at the Recovery and Resilience Facility Agency, Ministry of Finance; Nikolaos Kontinakis, Policy Officer at the European Commission; and Vicky Sita, Director for Energy Policy and Energy Efficiency at the Ministry of Environment and Energy.

➤ [See online information](#)

2nd National Roundtable in Greece – Support for the Implementation of Smart Financing for Energy-Efficient Buildings (April 2022)

On Thursday, April 14, 2022, CRES and INZEB organised the 2nd National Roundtable in Greece, titled “*Support for the Implementation of Smart Financing for Energy Efficient Buildings in Greece*”. The event attracted 80 participants and focused on advancing energy efficiency financing in the residential building sector, with a special emphasis on collaborative approaches, effective financing mechanisms, and the role of supportive models in Greece’s energy renovation landscape.

The Ministry’s April 2022 data revealed that nearly 100,000 applications had been submitted under the Saving Programme 2021, with 86,000 approved for energy renovation funding, while approximately 22,000 applications were not approved. Banks expressed a willingness to receive support from other entities, such as Energy Service Companies (ESCOs), to enhance the evaluation and financing of energy-saving investments in residential buildings. Engaging multiple stakeholders could improve the process of developing comprehensive investment dossiers, enabling smoother financing and a more holistic approach to sustainable renovation projects.

The One-Stop Shop (OSS) model emerged as a significant focus, potentially expanding access to financial schemes such as “*I am Saving—I am Getting Autonomous*”. OSSs offer a structured support system for building owners, providing guidance and information to drive awareness of energy upgrades’ benefits. Moreover, OSSs are positioned as key tools for attracting private capital to energy renovations, demonstrating how combined public-private engagement can stimulate market interest and investment.

The event also highlighted building Renovation Passports as a step-by-step approach to renovations that can mobilise private capital and encourage building owners to take actionable steps toward energy efficiency. With a building Renovation Passport, building owners receive a detailed roadmap tailored to their property, which helps mitigate renovation lock-in effects while boosting their buildings’ long-term value and efficiency. In this context, the iBRoad2EPC project showcased the developments and tools under development. The roundtable concluded with an emphasis on the importance of effective communication strategies to increase building owners’ knowledge of energy renovations’ financial and environmental benefits.

➤ [See online information](#)

Info Day on Energy & Real Estate (January 2023)

The Association of Greek Valuers held its first event of 2023, titled “*Energy and Real Estate*”, on Saturday, January 28, 2023, at the Electra Palace Hotel in Athens, Greece. The event gathered 90 participants and addressed key issues at the intersection of energy performance and the real estate sector, including energy renovation, energy management, energy poverty in businesses, and net metering.

Speakers included a lineup of experts from prominent organisations: Konstantinos Gatis, Head of Real Estate Research and Advisory Group at the National Bank of Greece; Antonia Atsidakou, Senior Valuer at Cepal Hellas; Alice Corovessi, Managing Director at INZEB and Vice Chair of the Renovate Europe Campaign 2022 & 2023; Ioannis Pappas, Head of Energy Management & Property Maintenance at Cerved Property Services; Stavros Papadakis, Head of Valuations & Real Estate Valuation at Attica Bank Properties; and Frixos Papadopoulos, Property & Engineering Director at OPAP.

During the event, the building Renovation Passport developed through the iBRoad project (2017-2020), was presented as an innovative tool for structured and efficient building renovation. The presentation introduced the iBRoad2EPC project as iBRoad's continuation, aimed at aligning the Renovation Passport model with Energy Performance Certificates (EPCs). This synergy provides a detailed, customised roadmap for building renovation based on a rigorous on-site energy audit, ensuring optimised energy performance and strict adherence to quality standards.

Additionally, an integrated digital logbook, which acts as a comprehensive record-keeping system for buildings, was discussed. This logbook consolidates building plans, maintenance protocols, renovation details, and energy data (including EPC information), offering a thorough repository to support and track energy performance improvements over time. The iBRoad2EPC project's role in promoting sustainable renovations through these tools emphasises the potential for strategic energy and property management solutions within the real estate sector.

➤ [See online information](#)

POLAND

Meeting with the KAPE Expert – Integrating Building Renovation Passports into Energy Performance Certification Systems (June 2024)

The Meeting with the KAPE Expert event, focused on integrating building Renovation Passports into Energy Performance Certification systems, took place on Wednesday, June 12, 2024, from 11:00 to 12:00. Organised by the National Energy Conservation Agency (KAPE) as part of the iBRoad2EPC project, the session was designed to engage industry professionals in the benefits and implementation of building Renovation Passports.

In this session, Karolina Junak, Project Manager at KAPE and an expert in energy efficiency projects within the building sector, presented the purpose and potential of building Renovation Passports. She discussed how the iBRoad2EPC project integrates elements of such a passport with Energy Performance Certification Systems, making phased renovation planning more accessible to building owners and supporting long-term energy efficiency. Junak also demonstrated the functionality of the iBRoad2EPC Assistant tool, providing practical guidance on navigating and implementing renovation strategies that align with national and EU sustainability objectives.

The event on Microsoft Teams was an interactive opportunity for participants to learn more about the iBRoad2EPC project's impact on energy renovation practices. It enabled a valuable exchange of knowledge on enhancing energy efficiency within the building sector in Poland and beyond.

➤ [See online information](#)

PORTUGAL

Sustainable Habitat Cluster Conference 2024 (April 2024)

On April 19, 2024, the Sustainable Habitat Cluster Conference took place in Aveiro under the theme “*Green and Digital Transition*”, attracting over 150 participants. The event provided a platform for presenting and discussing current solutions from Cluster members, focusing on four core areas: Sustainable Territories and Cities, Environment and Resource Efficiency, Sustainable Products and Solutions, and Health and Well-being

in Habitat. In addition to formal presentations, the conference featured an e-Poster session, enriching discussions and networking opportunities throughout the day.

During the conference, the Sustainable Habitat Cluster unveiled its new branding, symbolising its commitment to fostering a collaborative network focused on a sustainable future. The event opened with a panel on Building Sustainable Territories and Cities, featuring speakers Ana Abrunhosa (FEUC), José Ribau Esteves (Aveiro City Council), Paulo Fernandes (Fundão City Council), Alejandro Martins (AM 48), and Miguel Saraiva (Saraiva & Associates), who engaged in a dynamic debate on urban sustainability.

Victor Ferreira, President of the Sustainable Habitat Cluster, concluded the morning with an address on the Cluster's strategic action lines and ongoing projects, highlighting the challenges currently faced by the Habitat value chain.

The afternoon sessions spotlighted member presentations addressing the Green and Digital Transition. With over 30 diverse presentations, participants explored various solutions to create a more sustainable and efficient built environment. Organisations such as CTCV, Perfisa, ADENE, AIMMP, Caixiave, FSC Portugal, CeNTI, Instituto Politécnico de Viana do Castelo, Mota-Engil ATIV, AT Solar, and Amorim Cork Insulation contributed to environment and resource efficiency.

Presentations on Sustainable Products and Solutions and Health and Well-being in Habitat featured insights from CERTIF, Greenlab, APCMC, Areadobras, Chatron, CeNTI, Instituto Politécnico de Viseu, CVR, Revigrés, Umbelino Monteiro, and SerQ. The topic of Sustainable Territories and Cities included contributions from entities like Saint-Gobain Portugal, CIVITTA, CITEVE, Universidade Lusíada de Lisboa, ADENE, CIVILRIA, Universidade de Aveiro, Cleanwatts Digital, AICCOPN, and StratBIM.

The event also showcased over 80 e-posters, representing contributions from Cluster members across the four main thematic areas. These posters were discussed during networking sessions held throughout the day.

The iBRoad2EPC project was present at the conference, adding its expertise to discussions on sustainable building solutions. The project's involvement underscored its commitment to advancing green transitions within the building sector, promoting tools that support building renovations and energy efficiency.

➤ [See online information](#)

Launch Session – E-learning on SRI (Smart Readiness Indicator) (May 2024)

On May 21, 2024, the launch session for the E-learning SRI (Smart Readiness Indicator) course was held, spotlighting the European Commission's SRI initiative to foster smart building technologies across Europe. The online event, attended by 35 participants, aimed to deepen understanding of building intelligence to enhance occupant comfort, optimise energy management, and improve responsiveness to grid demands. The Smart Readiness Indicator (SRI) is embedded in the European Directive on Energy Performance of Buildings. It has been integrated into the Energy Certification System for Buildings (SCE), marking a step forward in adopting smart technologies in the European building sector.

The SRI methodology evaluates buildings' capacity to adopt smart technology based on three essential functions: optimising energy efficiency and operational performance, adapting to occupants' needs, and adjusting operations in response to electricity grid signals to support demand flexibility. Participants were invited to register for the SRI2MARKET e-learning course, which is free and designed to expand knowledge on building intelligence, covering key areas related to Building Automation and Control Systems (BACS). The course's flexible e-learning format enables participants to complete modules at their own pace, supporting a comprehensive learning experience.

The iBRoad2EPC project's presence at this session underscored its role in promoting smart, energy-efficient building solutions. The SRI module is an invaluable resource for driving professional capacity and meeting evolving energy performance standards in Europe.

➤ [See online information](#)

National Dissemination Event – iBRoad2EPC: Building Renovation Passports (June 2024)

On June 27, 2024, an Online National Dissemination Event for the iBRoad2EPC project was held, bringing together 31 participants to discuss the project's final results, tools, and methodology for implementing Building Renovation Passports. This event was an important opportunity to disseminate the iBRoad2EPC project's contributions toward structured, energy-efficient building renovations.

The session provided an overview of the iBRoad2EPC framework, which centres on creating customised renovation advice to guide building owners through a phased renovation plan. Based on thorough on-site energy audits, the iBRoad2EPC renovation passport offers tailored recommendations to avoid renovation lock-in effects, supporting sustainable upgrades that align with long-term energy efficiency objectives.

Participants engaged in practical demonstrations of the iBRoad2EPC tools, designed to assist building professionals and owners in each stage of the renovation process. These resources include insights into potential energy savings, cost-effectiveness, and implementation strategies, reinforcing iBRoad2EPC's role in promoting energy-efficient renovations across the sector. This online event highlighted the project's commitment to empowering stakeholders with accessible, impactful tools for sustainable building improvement.

➤ [See online information](#)

ROMANIA

XV National Conference of the Romanian Association of Energy Auditors for Buildings (AAECR) (November 2021)

Held on November 19, 2021, the XV National Conference of the Romanian Association of Energy Auditors for Buildings (AAECR) brought together experts, policymakers, and industry leaders to discuss the future of energy-efficient building practices in Romania. Central to the conference was the ongoing push to implement sustainable solutions aligned with Romania's National Renovation Strategy and the ambitious nZEB (Nearly Zero Energy Buildings) standards. With over 150 attendees, the conference provided a dynamic platform for exploring innovative projects and tools to make Romania's building stock more energy-efficient and sustainable.

Dr. Arch. Anca Ginavar, Director of the Technical Directorate DGDR at MDLPA, presented the action plan for the National Renovation Strategy, detailing concrete steps toward achieving Romania's energy efficiency goals. Prof. Dr. Ing. Emilia-Cerna Mladin from UPB addressed legislative challenges associated with the nZEB implementation, emphasising the regulatory adjustments necessary to support high-performance building renovations.

A highlight of the conference was the presentation on the iBRoad2EPC project, a groundbreaking initiative dedicated to enhancing the energy renovation landscape in Romania and across Europe. iBRoad2EPC introduced its Renovation Passport as a comprehensive tool for building owners and professionals, providing them with a phased renovation roadmap based on thorough energy audits. Designed to prevent renovation lock-in effects, the iBRoad2EPC allows for a strategic, step-by-step approach to deep energy renovations, ultimately contributing to greater energy savings and increased building value. Attendees learned about the project's methodologies, tools, and practical application across Romania, solidifying iBRoad2EPC's role in supporting Romania's sustainable building objectives.

Other notable presentations included insights from Saint-Gobain representatives Cristian Ciucaşu and Leon Buzatu, who shared innovative building solutions tailored to meet nZEB standards and findings on the performance of different glazing types. Dr. Ing. Alexandra Cucuş from UBB presented indoor radon concerns, especially in light of the pandemic, underscoring the importance of maintaining safe indoor air quality.

In addition to industry presentations, the conference featured discussions on practical applications of energy-saving technologies and strategies. Bogdan Voicu from Skanska Romania spoke on the broader societal impact of sustainable construction practices, emphasising the role of green building in creating

healthier communities. Sabin Preda, Director of Noving Air Romania, presented energy-efficient ventilation systems with heat recovery, which are crucial in optimising building energy use.

By emphasising the iBRoad2EPC project and its model building Renovation Passport, the conference reinforced Romania's commitment to advancing energy efficiency in the building sector. This initiative and the insights from other industry experts provided participants with actionable strategies and tools to drive Romania's transition to sustainable, energy-efficient building practices.

➤ [See online information](#)

SMAFIN National Roundtable: Financing Solutions for a Sustainable Increase of Energy Efficiency in Buildings and Industry (April 2022)

The SMAFIN Roundtable in Romania, held on April 7, 2022, addressed critical issues surrounding financing mechanisms for energy-efficient building renovations. Hosted by the SMAFIN project partners in Romania, the event was a strategic gathering of key stakeholders, including representatives from government agencies, financial institutions, local authorities, energy service companies (ESCOs), building owners, and other influential players in the Romanian energy sector. The roundtable was set against the backdrop of Romania's long-term renovation strategy, aligning with EU climate and energy goals to improve the energy efficiency of its building stock.

The agenda covered several core topics, including innovative financing solutions for residential and public building renovations, the role of policy frameworks in supporting sustainable investments, and actionable recommendations to overcome financial and regulatory barriers. Participants engaged in thematic working groups designed to tackle specific challenges and discuss successful financing models such as on-bill financing, energy performance contracts, and municipal bonds, examining how these could be adapted and scaled within the Romanian context.

Alice Corovessi, Managing Director of INZEB, introduced the building Renovation Passport and the iBRoad2EPC project. Her presentation focused on the potential of the building Renovation Passport to provide building owners with a structured, phased roadmap for renovations aimed at improving energy performance. Alice Corovessi explained how the iBRoad2EPC project is designed to integrate elements of the building Renovation Passport with Energy Performance Certificates (EPCs), creating a unified framework that enhances both the accuracy and applicability of EPCs by tailoring them to individual buildings' renovation needs.

This integration aligns with national decarbonisation goals and empowers building occupants with reliable information to support stepwise, cost-effective renovations. The iBRoad2EPC model is essential in helping Romania meet its energy efficiency objectives by bridging the gap between high-level policy frameworks and actionable, building-level renovation strategies.

The SMAFIN Roundtable facilitated a collaborative environment where stakeholders shared knowledge, best practices, and strategic recommendations for advancing Romania's energy efficiency financing frameworks. The event's outcomes are expected to guide the development of Romania's sustainable renovation policies and financing solutions, ultimately contributing to the EU's broader energy and climate objectives.

➤ [See online information](#)

SPAIN

The New European Energy Efficiency Directive for Buildings: An Opportunity for Change? (July 2022)

The online Technical Session, held on 1 July 2022, focused on "*The New European Energy Efficiency Directive for Buildings: An Opportunity for Change?*" This event brought together professionals from the building and energy sectors to explore the implications and opportunities presented by the updated European Energy Efficiency Directive for Buildings (EPBD), emphasising its potential to transform the EU's building stock towards sustainability and lower emissions.

As buildings are responsible for 40% of Europe's energy consumption and 36% of greenhouse gas emissions, the revised EPBD targets crucial areas for improvement, particularly given that most buildings lack energy efficiency and rely on fossil fuels. Heating, cooling, and domestic hot water (DHW) account for 80% of household energy use. The directive aims to support large-scale renovations to increase energy efficiency, decrease emissions, and lower energy bills, in line with the EU's 2050 climate-neutrality goals.

A key part of the session included a presentation on the iBRoad2EPC project, an innovative model designed to advance the EPBD's objectives. The iBRoad2EPC project combines the benefits of the building Renovation Passport with the Energy Performance Certificate (EPC), providing a step-by-step, customised renovation roadmap for building owners. This integration enhances the EPC's reliability and utility, allowing it to be a practical guide for achieving deep, phased renovations that directly support decarbonisation targets. By empowering stakeholders with a detailed renovation framework, iBRoad2EPC aligns policy goals with actionable steps for on-the-ground improvements.

Participants were encouraged to see the EPBD as a regulatory update and a transformative opportunity for the building sector to embrace sustainable practices fully. Leveraging tools like iBRoad2EPC, the sector can move closer to fulfilling European and national climate commitments through measurable, localised energy efficiency improvements.

➤ [See online information](#)

From Energy Performance Certificates to Renovation Passports: New EPBD Instruments to Drive Renovation (March 2024)

The event, *“From Energy Performance Certificates to Renovation Passports: New EPBD Instruments to Drive Renovation”*, focused on the transformative role of the revised Energy Performance of Buildings Directive (EPBD) in achieving climate neutrality goals. Held on Tuesday, March 21, 2024, the session explored the potential of the EPBD to contribute to decarbonisation if implemented ambitiously and efficiently.

A key emphasis was placed on the building Renovation Passport, which, aligned with the carbon budget target of 748 MtCO₂ by 2050, is central to achieving the deep renovation of 9.5 million homes needed for the deterioration of the sector. Within this context, the iBRoad2EPC project was introduced as an innovative approach that merges the building Renovation Passport with the Energy Performance Certificate (EPC). This integration aims to enhance the reliability, usefulness, and effectiveness of EPCs, establishing the next generation of certification tools to support Europe's decarbonisation ambitions. The event also featured side sessions on Decarbonisation, Digitalisation, Industrialisation, Investment, and Startup pitches, providing a comprehensive look at the solutions needed to accelerate sustainable renovation across Europe.

➤ [See online information](#)



iBRoad2EPC

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