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WELCOME TO THE PROBONO H2020 PROJECT

Building Green and Sustainable Neighbourhood by Using the Power of Social Engagement and Technology!

Dear PROBONO Pioneers,

As society becomes increasingly urban and ever dependent on technological innovations, it is vital to ensure that people and planet are put at the very heart of this development in a way that is sensitive to and encourages the protection, expansion or re-introduction of sustainable space amongst the urban sprawl.

This is the aim of the PROBONO project. PROBONO has an initial focus on renovating existing urban buildings and locations in a resource and energy efficient way. Applying technology, business and socio-economic innovations to stimulate a transition to nett-zero and energy positive buildings, leading to a better understanding of how these sustainable renovations can be a catalyst to create a wider, more sustainable Green Building Neighbourhoods and thus, thriving and sustainable community.

About the Project

The PROBONO project envisions establishing a people-focused European construction industry, by working in harmony with the broader community of stakeholders, to deliver scalable, sustainable, and viable energy-positive and zero-carbon Green

buildings in sustainable green neighbourhoods. For achieving this vision and objective, PROBONO will deliver five GBN Transition Acceleration Enablers deployed in six high-impact and people-focused Living Labs (LLs) across six EU states. These GBN Living Labs will include two municipality-driven large-scale demonstrators (Madrid and Dublin) and four living labs representing business/owner promoters of the GBN transition (Porto, Brussels, Aarhus, Prague).

VISIT OUR WEBSITE



Addressing trust issues in digital twins, the role of explainability in AI

The PROBONO project aims at providing a plan to turn traditional neighbourhood into green and sustainable environments through various sets

urban planning, allowing stakeholders to make informed decisions by simulating various scenarios and analysing their outcomes.

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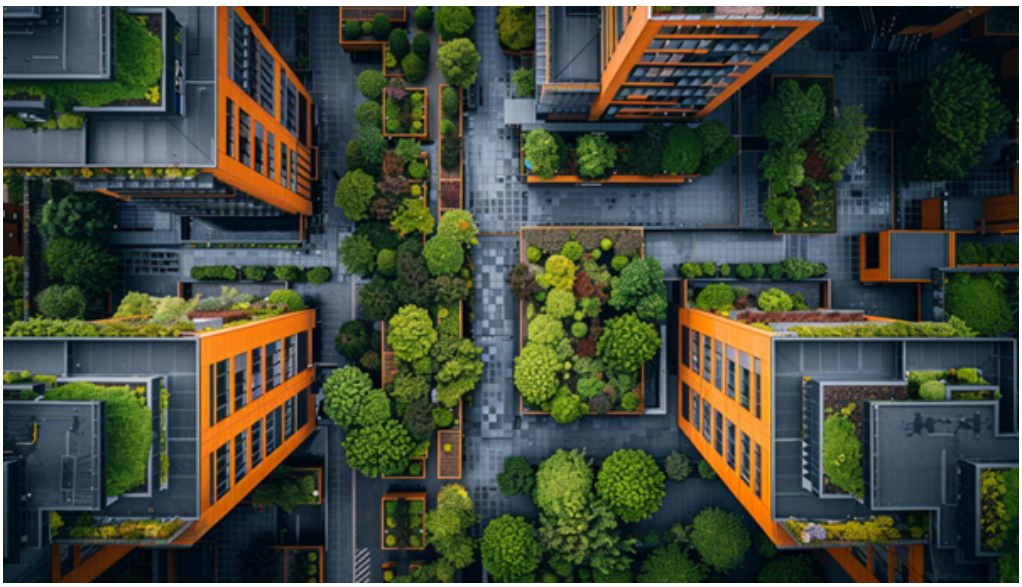


Corporations, Sustainability and CSR: How CSR can Inform Sustainable Behaviours

How can Corporate Social Responsibility (CSR) transform corporate behaviours towards long-term sustainability? This intriguing article delves into the powerful role of CSR in driving sustainable practices within businesses. By exploring insights from a comprehensive report on Green Building Neighbourhoods, we uncover how CSR initiatives, combined with Environmental, Social Governance (ESG) policies, can shift corporate focus from short-term gains to lasting community benefits. From the historical

growth. Join us on this journey to understand how CSR can be a catalyst for positive change and sustainable development in today's dynamic world.

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Structuring Reviews Using Knowledge Graphs for Green Building Neighbourhoods

The PROBONO Horizon 2020 project is exploring new ways of processing, structuring, and using knowledge in sector-specific approaches. In particular, as part of a task aiming and strengthening resilience for health in Green Building Neighbourhoods (GBNs), the task team undertook a feasibility experiment titled "Creating Knowledge Graphs from the Literature: The Case of Health Resilience in GBNs", based on using new technology to accelerate literature review and create synthetic knowledge for enhancing community resilience.

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PROBONO Develops Drone Based Method for Mapping Embedded CO_2 in Existing Buildings

Existing building stock in Green Building Neighbourhoods (GBNs) represents vast amounts of embedded CO_2 (GWP) in the construction materials. Mapping and quantifying the amounts of embedded CO_2 serves as a decision support tool: the potential for displacing the manufacture of new materials lies in preserving or upcycling the existing materials, thus avoiding new emissions. The size of the avoided emissions may be predicted from the mapping, and depends on decisions regarding renovation or demolishment and reuse of materials.

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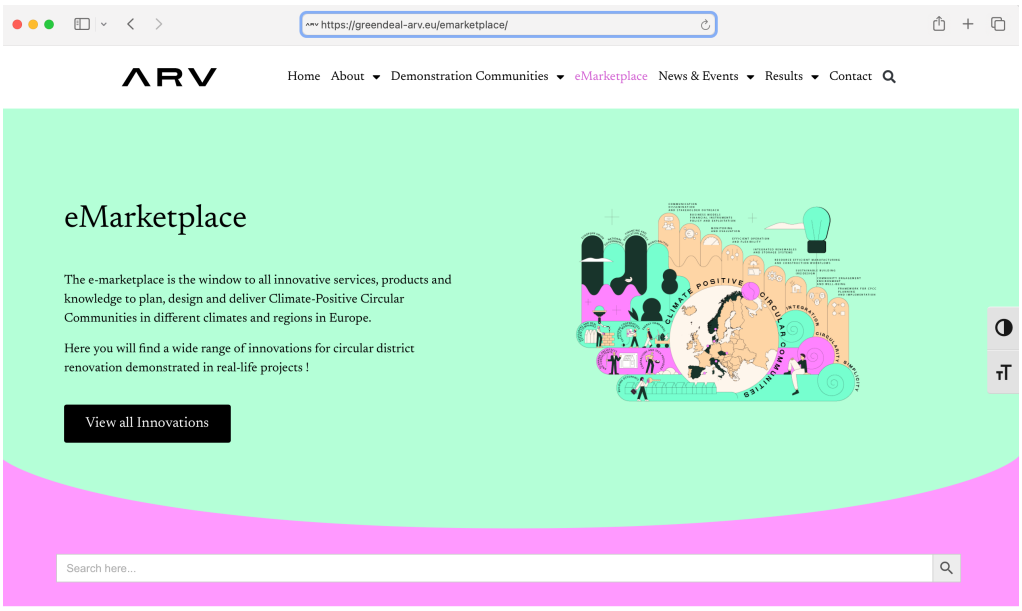


News from Sister Projects: WeForming Project

Policy roadblocks: how regulation is holding back Europe's transition to net-zero buildings

Buildings can no longer just consume energy; they must also produce it, adding flexibility to the energy systems. In this opinion article published by WeForming, Duncan Gibb from the Regulatory Assistance Project examines the regulatory barriers limiting Europe's transition to net-zero buildings and discusses EU directives and national policies.

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marketplace is up and running

The ARV team has recently launched the e-marketplace, a web space for all innovative products, services and knowledge to help you plan, design, and deliver Climate-Positive Circular Communities in various climates and regions in Europe, as the project team currently does in six different real-life projects (Czech Republic, Denmark, Italy, Netherlands, Norway, Spain). Serving architects, designers, project developers, construction managers, and all relevant stakeholders in the construction field, the e-marketplace is now free and accessible.

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News from Sister Projects: oPEN Living Lab Pamplona completes the BIPV roof installation

The oPEN Living Lab Pamplona is proud to announce it reached a new milestone with the completion of the BIPV roof installation. The recently installed photovoltaic roof provides 60 kWp of renewable energy generation by exploiting all available roof area, even on suboptimal orientations, which required a careful design process, by optimizing string configuration and inverters election. This PV installation will be capable to produce around 72 MWh of clean energy per year

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News from Sister Projects: InEExS launches its series of videos to scale up the adoption of smart technologies and accelerate the energy transition

The LIFE project InEExS just launched its Capacity Building series to dive deeper into its five innovative business models and recruit replicators to incentivise the adoption of sustainable technologies. In this series of five videos, the viewers will be able to understand the benefits, the specific target groups, unique features and value proposition of each business case, and thus have the tools to assess if they could become the first replicators of the solutions.

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News from Sister Projects: Hycool_IT at Sustainable Places 2024

Hycool_IT participated for the first time in the Sustainable Places 2024 conference that was held in Luxembourg between 23 and 25 September. In a workshop titled ‘From energy simulations to standards‘, Hycool_IT joined forces with other EU-funded projects for the 12th annual edition of the event, these other contributors were HyperGryd, Hystore, Hybris, Senergy Nets, Dyman, Hycool-it and the BDTA.

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News from Sister Projects: ENERGATE - a marketplace connecting building owners, implementers, financiers & public authorities

Welcome to the in-depth introduction to the ENERGATE platform, your go-to solution for optimising energy efficiency and securing financing for public and private sector renovation projects. This video will guide you through the platform's powerful features.

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JOIN OUR GREEN COMMUNITY

*Take the next step on your sustainability journey.

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