

Impact

Energy poverty currently affects between 8% and 16% of the EU population (35 to 72 million p, posing a critical societal challenge recognized by the European Commission due to its widespread negative impacts. In Bosnia and Herzegovina, approximately 70% of households face this pressing issue.

Launched in 2024, the ENPOWER project is a three-year EU-funded initiative aimed at enhancing the scientific reputation, networking capacity, and social impact of the University of Banja Luka (UNIBL) in Bosnia and Herzegovina. The project focuses on addressing energy poverty, a challenge of profound societal importance.

Through ENPOWER, UNIBL will strengthen its position in the European and international research and innovation landscape, contributing to solutions for this urgent issue.



Enhancing Scientific Capacity for
Energy Poverty

ENPOWER (GA 101160253), invites stakeholders from across sectors to join us in our mission. Whether you are involved in research, policymaking, industry or civil society, you represent an asset to achieve ENPOWER's objectives.

Contact us



www.enpower-bih.eu

Our socials



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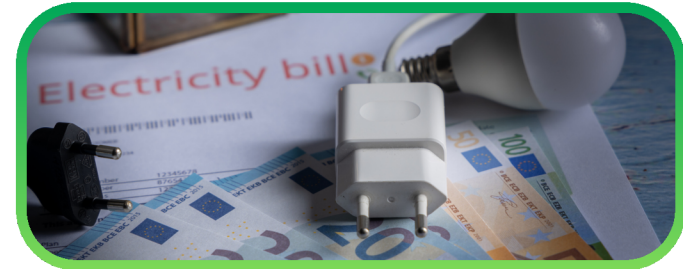
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Enhancing Scientific Capacity for
Energy Poverty



Funded by
the European Union

Objectives

This project aims to enhance UNIBL's research capacity and strategic networking to address energy poverty through innovative Energy in Building Solutions (EBS). It integrates technical, social, economic, policy, and environmental perspectives while providing advanced training for researchers. The initiative leverages tools like multi-criteria analysis, AI, and blockchain to improve energy poverty monitoring and energy management, aligning with the European Green Deal and SDGs. The project also establishes a "Building Advisory System (BAS) LivingLab" to promote energy justice and sustainable building solutions, uniting stakeholders in the energy sector to tackle climate challenges and support sustainable development.

Key Innovations

Advancing Excellence: ENPOWER establishes UNIBL as a leader in energy poverty solutions through education, innovation, and EU knowledge transfer, integrating engineering, socio-economics, and smart technologies.

Targeted Solutions: The project focuses on energy retrofits, rural renewable energy, AI-driven management, and socio-economic impacts, supported by workshops and training.

BAS-Living Lab: The BAS-Living Lab connects research to practice, engages stakeholders, and integrates UNIBL researchers into EU networks.

Case Studies

Energy efficiency retrofitting
in UNIBL public buildings

Renewable energy integration
in rural communities

The role of digitalization and
AI in energy management in
buildings

Energy poverty and
socio-economic aspects

ENPOWER's Consortium

The ENPOWER consortium unites top experts to tackle energy poverty by enhancing the University of Banja Luka's R&I capacity and excellence, with the support of leading European Higher Education Institutions specializing in the energy sector.

