



We are glad to welcome you to NEON's second newsletter!

NEON aims to harness the energy efficiency of buildings, renewable energy generation and storage, and demand-side flexibility to increase energy savings, reduce CO2 emissions and provide cost savings. To make these services a reality, NEON wants to engage network stakeholders, service providers, and end-consumers to come together and co-create.

The Citizen Energy Communities (CEC) concept lays the legal and business foundations to enable faster adoption of the proposed services and to facilitate European communities (residential and non-residential) to become energy efficient.

NEON in the first half of 2023!

During this period, the integration of the NEON ICT platform and its interoperability with the smart grid was carried out. Predictive data analytics for continuous operational efficiency improvement and holistic optimisation of energy dispatching to improve asset scheduling.

Regarding the contractual and financial aspects of cross-service integration, the financial structure and involvement of service providers have been identified, and a technical-economic feasibility study has been carried out about the life cycle of the services.

Work is underway on performance measurement, verification methodology, and pay-for-performance mechanisms to incentivise shared flexibility.

We do not forget the social and ethical impact of NEON. In this respect, the validation analysis and evaluation of the socio-economic impact and the user experience assessment have started.



NEWS

ANALYSING FINANCIAL STRUCTURES FOR CITIZEN ENERGY COMMUNITIES



In the framework of the NEON project, ItaSIF, together with its project partners, has carried out an analysis considering the actual and expected costs of four pilot areas in Spain, France, and Italy. The study identifies appropriate financial structures to ensure the pre-financing of initial energy efficiency interventions and repayment through revenue streams. This article summarises the findings carried out by partner ItaSIF.

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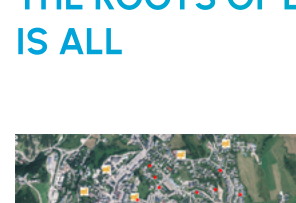
MULTI-MEASURE INTERVENTIONS AND BUILDING RETROFIT PLANNING



Partner CSEM explains in this article NEON's intention to improve the quality of life and the quality of life of European communities by incorporating new generation integrated energy services. These services unlock the potential of energy efficiency in buildings, renewable energy sources and storage, and flexibility services. Through cross-sectoral agreements, successful integration depends on creating strong synergies between network stakeholders, service providers, and consumers.

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THE ROOTS OF ENERGY COMMUNITIES: SHARING IS ALL



Partner Albedo explains in this article the difficulties and motivations for creating Citizen Energy Communities in the French pilot Domain de la Source.

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NEON PROJECT. NEXT-GENERATION INTEGRATED ENERGY SERVICES ENERGY COMMUNITIES. THE ROLE OF PILOT PROJECTS



In this article, partners APPA Renovables and GFM Fotovoltaica explain their Spanish pilot experience and challenges.

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NEON PARTICIPATES IN WOMEN IN SCIENCE WEEK



Taking advantage of the Women in Science Week, NEON participated in workshops for disseminating science in a school in Madrid, Spain. We are very happy to see how interested future generations are in renewable energies.

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NEON IN ENLIT: ENERGY EFFICIENCY RELEVANCE IN CITIZEN ENERGY COMMUNITIES



This article about NEON's participation in the ENLIT event is a joint and coordinated action carried out with our sister projects. The article was launched at the same time on the same day in a strategic way to widen the diffusion of the three sister projects—quite an experience.

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NEON AT ENLIT EVENT 2022



Our partners, Institute Mihajlo Pupin, Engie, and TRAZA, attended the ENLIT event. This was a unique opportunity to contact stakeholders and present the work done at NEON.

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PUBLICATIONS & RESULTS

A review of Energy Communities: Definitions, Technologies, Data Management

Article published in 2022 at the 2nd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED). This paper aims to give an overview of the most important aspects for the success of the EC concept and provides the needed literature resources for new entrants into the field of ECs.

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The NEON Project. Next Generation Integrated Energy Service for Citizen Energy Communities

Article published in the Spanish magazine Futur ENERGY, bilingual Spanish-English version. This paper reviews the objectives of the project, the citizen energy communities and the 4 pilot sites. It describes in depth the peculiarities of the Spanish pilot and especially the challenges that lie ahead. Don't miss the full article!

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WE ASK OUR PARTNER ABOUT... NEON

We are launching a new section following "We asked people about...".

Please, meet our partners and let them explain what NEON means to them and their work on the project.

We are opening the section with the TRAZA partner!



WE ASKED PEOPLE ABOUT...

We have created this section better to understand citizens' opinions on the project's topics.

To do so, we regularly ask citizens (men, women, seniors, and children) about some aspects of the project.

We end this section with the perception of middle-aged people's perception of Citizen Energy Communities and NEON.

We asked a middle-aged person about... renewable energy generation and storage in buildings.



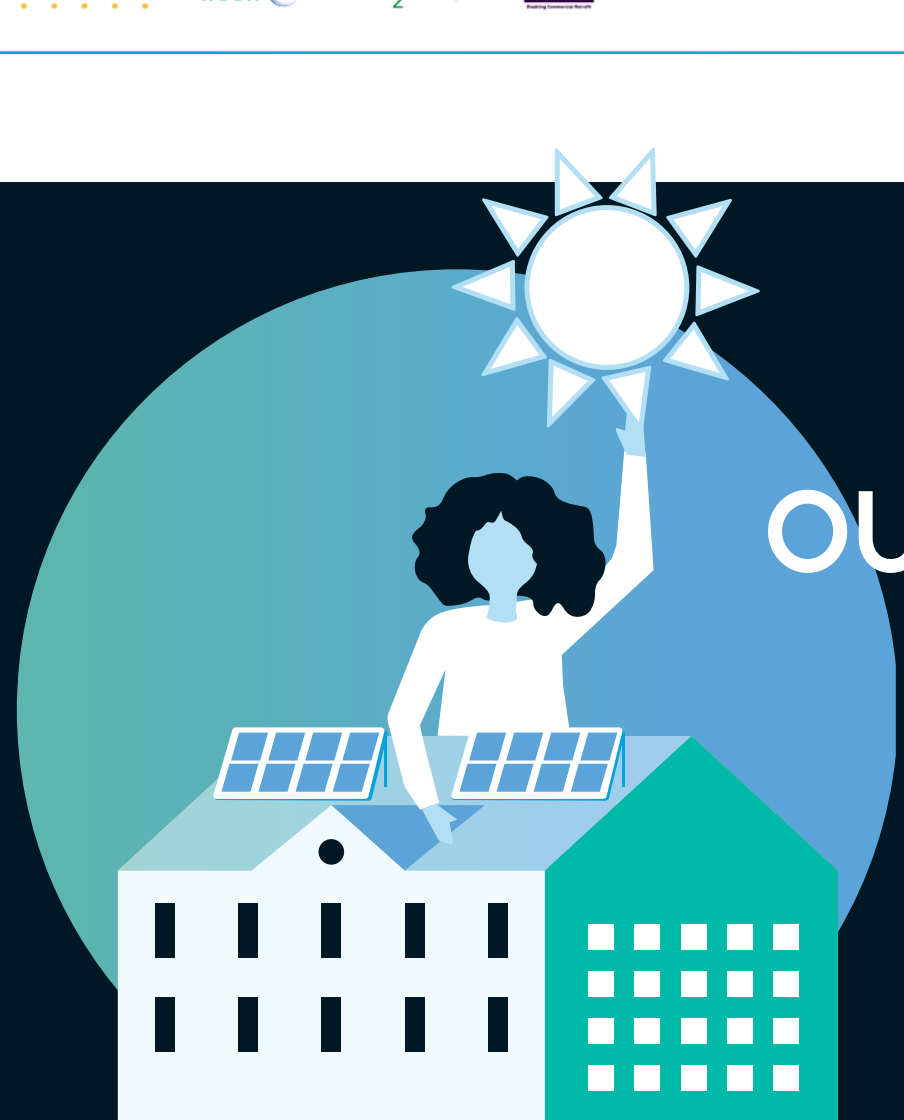
SISTER PROJECT NEWS

PROCEEDINGS NOW AVAILABLE: SMART ENERGY SERVICES CLUSTERING EVENT!



The "Smart Energy Services" clustering events organised by EGEN and PNO Innovation Belgium were held on 25th April and 17th May. The two online workshops brought together top research centers, industry representatives, and other stakeholders currently involved in EU-funded projects aiming to improve European buildings' energy efficiency and flexibility.

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<https://neonproject.eu/>



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