



We are glad to welcome you to NEON' first 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 processes drawing up cross-sector agreements and underlying the service concepts.

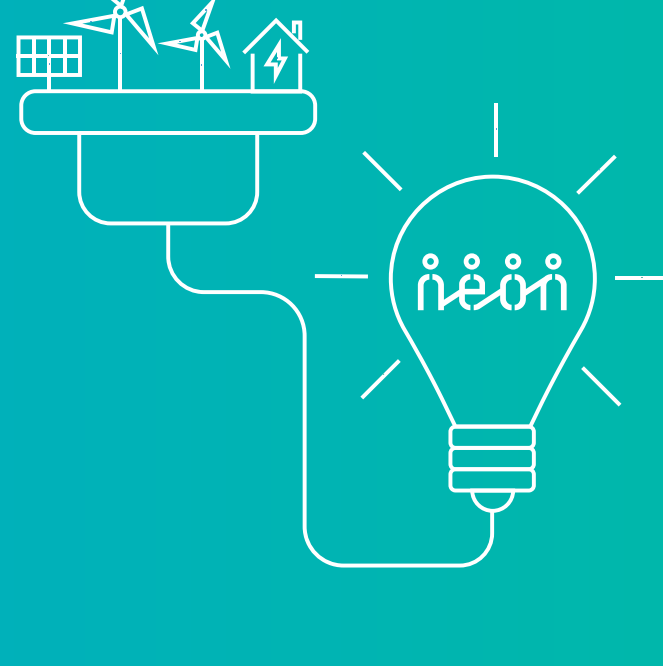
The Citizen Energy Communities (CEC) concept lays the legal and business foundations to enable faster adoption of the proposed services and to facilitate European communities (residential and non-residential) to become energy efficient.

NEON – YEAR 1!

In this first year, it has been possible to work on the definition of the integrated energy services co-creation and cross-sectoral agreements. The data from this work package is fundamental for the further development of the whole project.

In parallel, the work done about the contractual and financial aspects of integration between services has started.

We expect that over this new year for the project, we will progress on the ICT (Information and Communication Technologies) platform for the efficient operation of the buildings and on the provision of DR (Demand Response) flexibility and innovative M&V (Measure and Verification) methodology and service remuneration mechanisms.



PRESENTATION VIDEO



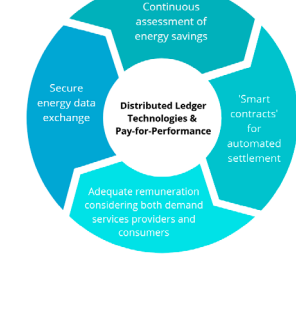
As a citizen, have you ever considered being able to produce your energy, control its consumption, and manage your storage and supply?

This is NEON project!

[▶ WATCH NOW](#)

NEWS

PAY-FOR-PERFORMANCE (P4P) AND MEASUREMENT AND VERIFICATION (M&V) USING DISTRIBUTED LEDGER TECHNOLOGIES TO ACHIEVE 3D'S OBJECTIVES IN ENERGY COMMUNITIES



The energy transition towards a decentralized model, both at the level of production and management of virtual entities/ identities, requires technological and methodological advances that guarantee the robustness and resilience of the different systems and services. Pay-for-performance (P4P) mechanisms will enable new business models, but it is necessary to develop a methodology agreed by the different stakeholders (ESCOs, grid stakeholders and utilities, service providers and users) to ensure the viability of the model.

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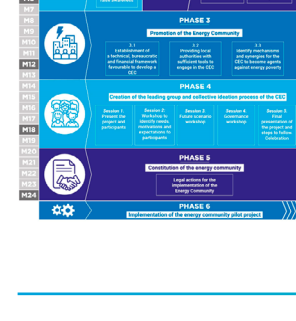
ENABLING THE ENERGY TRANSITION THROUGH CITIZEN ENERGY COMMUNITIES AND CROSS-SERVICE INTEGRATION



NEON project aims at developing and establishing a technical and business ecosystem for integrated energy services for European energy communities. These entities shall be capable of saving energy, reducing CO2 emissions, and bringing economic and social benefits while valorising the energy efficiency and flexibility at demand-side. The project, will engage network stakeholders, service providers and final consumers to establish, by a co-creation process, the cross-sectoral arrangements and underlying service concepts

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ENGAGING STAKEHOLDERS IN CITIZEN ENERGY COMMUNITIES



Implementation and deployment of Citizen Energy Communities tends to pay less attention to end-user needs, behaviours, motivations requirements, and interests. Within the NEON project, Social Sciences and Humanities methodologies are being tested to systematize social innovation actions to guarantee the people's ownership of Energy Communities.

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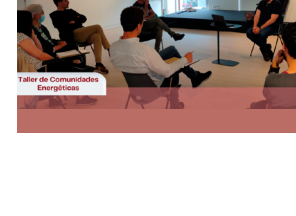
NEON WITH ITS SISTER PROJECTS



The NEON project has teamed up with its two sister projects (SmartSPIN and V2Market) to achieve emission reductions and climate neutrality by 2050. Therefore, the sister projects have been collaborating since almost the very beginning of the NEON project.

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CITIZEN ENERGY COMMUNITIES



Our partner R2M Solution, together with TRAZA and the Provincial Council of Guipuzcoa, held a workshop on 24 May to try to bring Energy Communities closer to citizens, a key component in the transition to clean and renewable energies.

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NEON AT THE SUSTAINABLE PLACES EVENT



On 6th September, the day shone differently in the majestic coastal city of Nice. On that day, the foundations were laid for the next small but important steps of future innovation in sustainability, decarbonisation, and environmental awareness.

Don't miss the article written by our partner R2M about the Service Integration and Smart Contracting workshop where NEON participated.

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NEON KICK OF MEETING IN MADRID AND GENERAL ASSEMBLY IN BELGRADE, SERBIA



With the launching of NEON project held in Madrid on September 20th and 21st 2021, the project officially started bringing the opportunity to meet the consortium partners in person after more than one year of COVID 19 restrictions. The NEON Team could identify the project bodies, the definition of roles and the nomination of responsible persons per beneficiary, and the work plan for the next 12 months.

Last September 19th and 20th, the NEON's General Assembly was held in Belgrade at the headquarters of Mihailo Pupin Institute. This was the second in-person meeting after the kick-off in Madrid, and it was very inspiring to meet and discuss the work packages and the project progress with the Team. Two internal workshops were also held regarding the first results on the integration platform for the NEON services, and for the methodology to follow about the creation of the communities in the different pilots.

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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 ASKED PEOPLE ABOUT...

We have created this section to find out more about citizens' opinions on the topics covered by the project. To this end, we periodically ask citizens (men, women, elderly people, and children) about some aspects of the project.

See what people think about Citizen Energy Communities and NEON.



we asked a senior person about... citizen energy communities



we asked a university students about... citizen energy communities

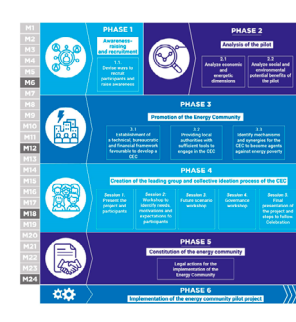


we asked a child about... citizen energy communities

Coming soon, other topics!

SISTER PROJECT NEWS

RECOMMENDATIONS TO ADDRESS THE SPLIT INCENTIVE ISSUE



SmartSPIN has established a set of guidelines and recommendations to optimize the approach around the split incentive and smart energy services for the commercial rented sector. The consortium has carried out a study of the recommendations to address the split incentive issue, green leasing, on-bill financing, energy performance contracting and other related schemes such as metered energy efficiency transaction structure have been evaluated.

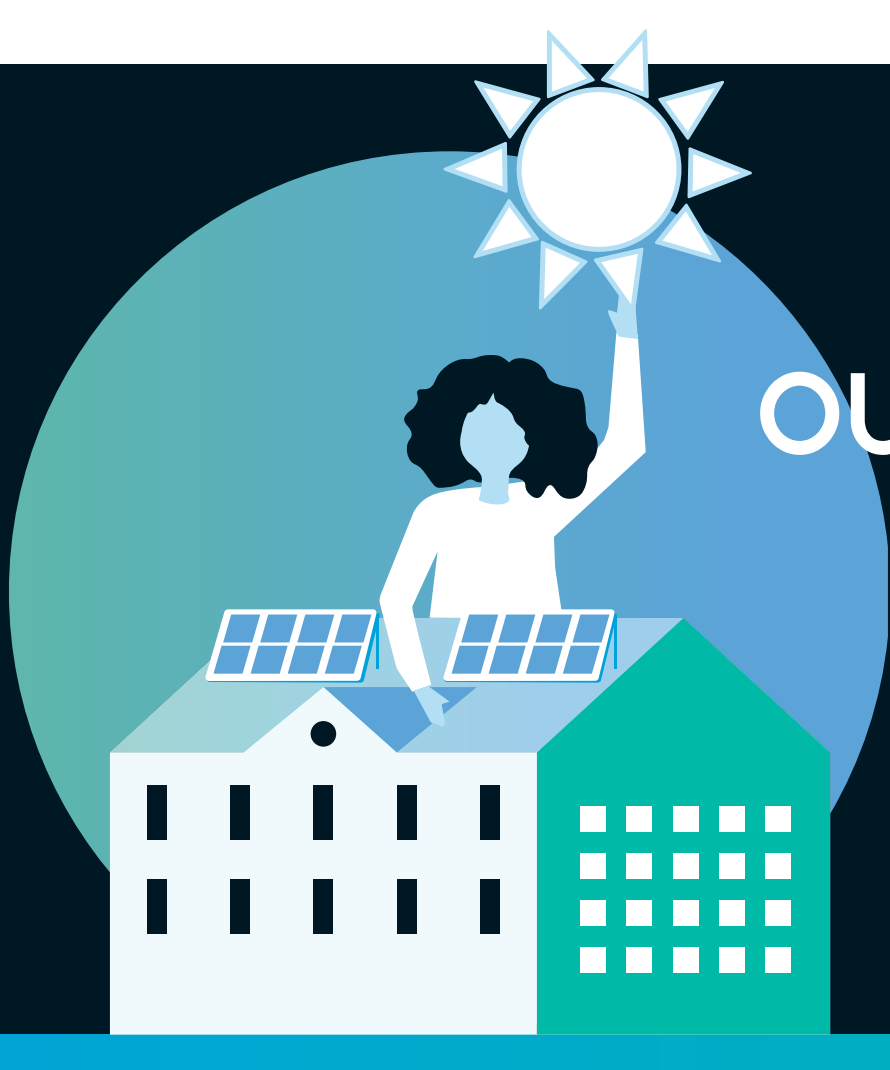
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NEW VIDEO OF SMARTSPIN: KNOW MORE ABOUT THE PROJECT!



SmartSPIN aims at removing the current market barriers for integrating energy efficiency smart services in the commercial rented sector. Thereby, successfully develop a new business model beneficial for all parties involved.

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