



ENCLUDE

Energy Citizens for Inclusive
Decarbonization

D7.6 – ENCLUDE Interactive Policy Platform (Supporting Document)

WP7 – Synthesis, Dissemination,
Communication, and Exploitation

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ENCLUDE PROJECT & DELIVERABLE PROFILE

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Preface

The overall vision of ENCLUDE is to help the EU to fulfil its promise of a just and inclusive decarbonization pathway through sharing and co-creating new knowledge and practices that maximize the number and diversity of citizens who are willing and able to contribute to the energy transition. Motivated by achieving an equitable and sustainable future and the fulfilment of individual potential, ENCLUDE will contribute to the upcoming transformation of energy use by: (1) Assembling, aligning, and adapting disparate energy citizenship concepts for diverse communities of citizens and for different scales of policy making, lowering the barrier for action. (2) Operationalizing the energy citizenship concept at all scales of policy making for decarbonization. (3) Catalyzing a chain reaction of decarbonization actions across the EU.



1. Changes with respect to the Description of Action (DoA)

No changes with respect to the work described in the DoA apart from the following minor points:

- While the DoA mentioned that only the results of ENCLUDE's Work Packages 2-5 will be included to the platform, results from WP6 and other sister projects of ENCLUDE have been also added.
- The report was submitted with a short submission delay.

2. Dissemination and uptake

This report serves as a supporting document for Deliverable D7.6 which revolved around the development of the ENCLUDE Interactive Policy Platform. The Platform is open access and publicly available online¹, while its underlying code is open source and available in a public GitHub repository².

3. Short summary of results

The ENCLUDE Interactive Policy Platform aims to present curated results of the project to policymakers, citizens, and researchers. Deliverable D7.6 focuses on the implementation of the Platform which can be already found online³, while the current report provides insights related to the design of the Platform and the selection of its content. The integration of all the diverse outputs of ENCLUDE platform is also discussed, summarizing the initial integration protocol for each output and reporting how this protocol was implemented. The report also includes a concise description of the technical implementation of the Platform as well as a documentation of testing activities with stakeholders. In the future, the Platform will be converted to a more general platform for energy citizenship research, hosting resources from ENCLUDE's sister projects and aiming to become the go-to source of information in Europe about citizen engagement in the energy transition.

4. Evidence of accomplishment

The ENCLUDE Interactive Policy platform⁴ and this supporting report.

¹ <https://platform.encludeproject.eu>

² <https://github.com/i2amparis/EnergyCitizenship.EU>

³ <https://platform.encludeproject.eu/>

⁴ Ibid.



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Executive Summary

The ENCLUDE Interactive Policy Platform was designed as an interface to share the outputs of the project to different stakeholders. Specifically, the platform would provide results that are curated in a way that would maximize their usability and usefulness for three target audiences: 1) policymakers at a national, regional, and local level, 2) citizens who are already engaged or planning to become engaged in energy initiatives and energy communities, and 3) researchers working on topics relating to energy, citizen engagement, and inclusivity. The curation of this information was already presented in a previous deliverable (D7.4⁵) while the current deliverable focuses on the implementation of the platform which can be already found online⁶. The underlying code of the Platform is open source and available in a public GitHub repository⁷.

This report discusses the integration of diverse ENCLUDE outputs into the platform, summarizing the initial integration protocol for each output (part of Deliverable D7.4) and describing how this protocol was implemented in the current version of the platform. The report also provides details on the technical implementation of the platform based on functionalities of I²AM PARIS⁸, an established data sharing platform for results of climate change mitigation research.

Beyond the results of ENCLUDE, the Platform was designed to eventually include other research outputs related to energy citizenship, most prominently from the four sibling projects of ENCLUDE, i.e., EC2⁹, EnergyProspects¹⁰, DIALOGUES¹¹, and GRETA¹². In the context of synergies between these projects, one idea was to create a “meta-platform” for their results, providing a comprehensive portal of resources for energy citizenship. ENCLUDE volunteered to lead this effort and a number of resources from other projects have been already included in the current version of the platform, which would be eventually renamed to energycitizenship.eu. Based on the wealth of resources from the sister projects, the interactive and filtering capabilities of the platform, and the hosting of the platform for many years to come in the I²AM PARIS server, we aspire that energycitizenship.eu will become the go-to source of information in Europe about citizen engagement in the energy transition.

⁵ http://encludeproject.eu/sites/default/files/2023-03/ENCLUDE_D7_4_final.pdf

⁶ <https://platform.encludeproject.eu/>

⁷ <https://github.com/i2amparis/EnergyCitizenship.EU>

⁸ <https://www.i2am-paris.eu>

⁹ <https://ec2project.eu>

¹⁰ <https://www.energyprospects.eu>

¹¹ <https://www.dialoguesproject.eu>

¹² <https://projectgreta.eu>



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1 Introduction

The ENCLUDE Interactive Policy Platform was initially conceived as an interface to share the results of the project to different stakeholders. Specifically, the platform would provide results that are curated in a way that would maximize their usability and usefulness for three target audiences: 1) policymakers at a national, regional, and local level, 2) citizens who are already engaged or planning to become engaged in energy initiatives and energy communities, and 3) researchers working on topics relating to energy, citizen engagement, and inclusivity. The curation of this information was already presented in a previous deliverable (D7.4¹³) while the current deliverable focuses on the implementation of the platform which can be already found online¹⁴.

Throughout the last three years, ENCLUDE developed new knowledge on energy citizenship (EC) and practices to help maximize the number and diversity of citizens who are willing and able to contribute to the energy transition. Specifically, the project had the following flagship research outputs:

- a comprehensive theoretical framework and a typology for understanding different expressions of energy citizenship [ENCLUDE's Work Package 2 (WP2)];
- an in-depth analysis of diverse types of collective energy initiatives in Europe, Africa, and Canada, in order to extract factors that led to the creation of these initiatives and their consolidation (WP3);
- a clustering of different types of citizens through machine learning methods to find groups of citizens with similar behavior, energy consumption, CO₂ emissions, etc. (WP4);
- an analysis of the impacts of different energy citizenship expressions at a local and European level (WP5); and
- an Academy for Energy Citizen Leadership, along with materials for supporting citizens that want to start their own initiative (WP6).

The integration of all these diverse outputs into the platform is discussed in Chapters 2-6, summarizing the initial integration protocol for each output (part of Deliverable D7.4) and reporting how this protocol was implemented in the current version of the platform. Chapter 7 provides details on the technical implementation of the platform based on functionalities from I²AM PARIS, an established data sharing platform for results of climate change mitigation research. I²AM PARIS was developed in the context of the Horizon 2020 project PARIS REINFORCE and will be further extended through ongoing Horizon Europe projects, including IAM COMPACT¹⁵, DIAMOND¹⁶, and TRANSIENCE¹⁷.

Beyond the results of ENCLUDE, the platform was designed to eventually include other research outputs related to energy citizenship, most prominently from the four sibling projects of ENCLUDE, i.e., EC2¹⁸, EnergyProspects¹⁹, DIALOGUES²⁰, and GRETA²¹. While such expansion was not prescribed in ENCLUDE's proposal, the idea for it came during a joint workshop with these projects, organized by CINEA in November 2022 in Brussels. In the

¹³ http://encludeproject.eu/sites/default/files/2023-03/ENCLUDE_D7_4_final.pdf

¹⁴ <https://platform.encludeproject.eu/>

¹⁵ <https://iam-compact.eu>

¹⁶ <https://climate-diamond.eu>

¹⁷ <https://www.transience.eu>

¹⁸ <https://ec2project.eu>

¹⁹ <https://www.energyprospects.eu>

²⁰ <https://www.dialoguesproject.eu>

²¹ <https://projectgreta.eu>



context of synergies suggested between the projects, one idea was to create a “meta-platform”, providing a comprehensive portal of resources for energy citizenship. ENCLUDE volunteered to lead this effort and a number of resources from other projects have been already included in the current version of the platform, which would be eventually renamed to energycitizenship.eu. More details about resources from other projects are provided in Chapters 2-6, while Chapter 8 discusses the testing of the platform till now along with plans for the future.

Finally, it should be noted that Deliverable D7.6 focuses on the implementation of the platform and not on an extensive reporting of its design. This is also evidenced by the type of the Deliverable in the project’s Grant Agreement which was characterized as “Other”, which signifies a type of deliverable in software form, technical diagrams, and others. Thus, the current report acts mostly as a supporting document to the platform, shortly describing its technical implementation and content. Further information can be found on the platform itself and its code repository²².

²² <https://github.com/i2amparis/EnergyCitizenship.EU>



2 Current structure of the platform

As shown in Chapter 1, the platform should provide access to a wide variety of research products from ENCLUDE and its sister projects. Integrating all these diverse materials into a single platform without overwhelming the visitor required an effective website structure, and several approaches have been discussed in Deliverable D7.4²³. One approach was based on a modular architecture, where each research output is shown in a different section of the platform. A second approach revolved around an integrated interface that interconnected most research outputs in one interface (see Figure 1 for a mock-up). A third approach involved a GIS-type interface where the research information from different Work Packages would be provided as different spatial layers on top of a map of Europe.

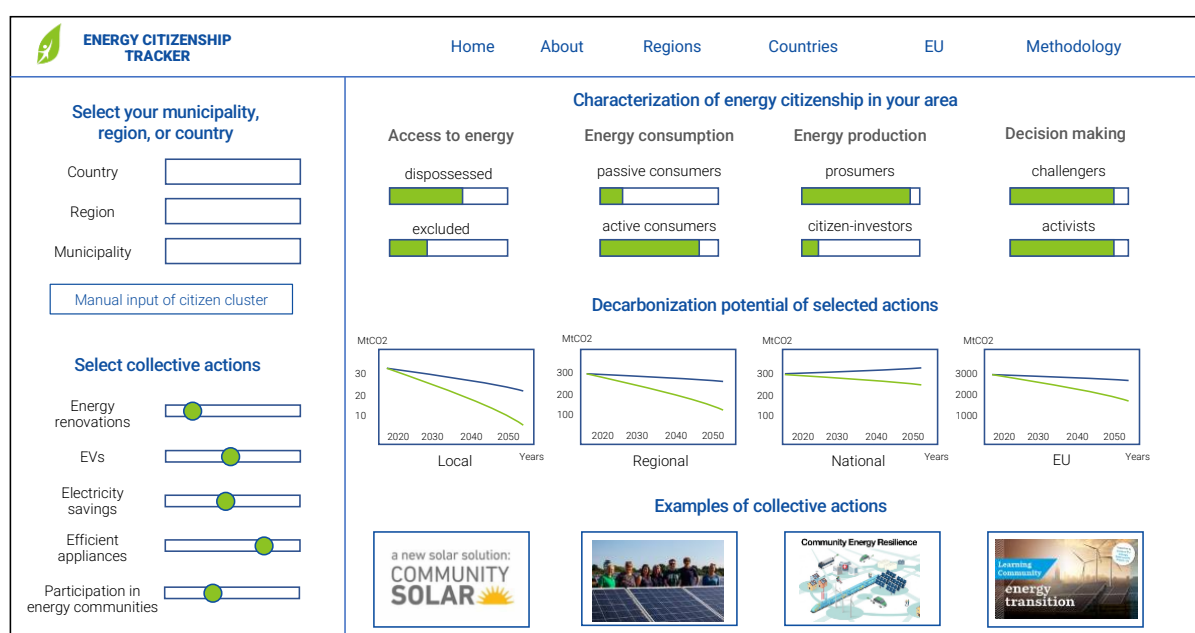


Figure 1. Mock-up of an interconnected platform (not included in the online version)

Through the course of the research work of ENCLUDE, it became apparent that the second and third approach would be challenging to implement, as not all final project results had a spatial element, nor they could be interconnected easily in a meaningful manner. The decision to include research materials from the sibling projects of ENCLUDE would complicate even further the design of an interconnected system. Therefore, the first approach was followed where each research output was presented in a different section on the website. However, to ensure that information is provided in a tailored way for the different target audiences (policymakers, citizens, academics), research outputs were grouped into themes that correspond to the needs of these audiences.

The themes are shown in Table 1 along with related user questions and the main target audience for each theme. The first thematic section collects research on the conceptualization of EC, the second is a documentation of EC expressions and initiatives, the third is an analysis of the impacts of EC on the energy transition, while the fourth includes resources to help users

²³ http://encludeproject.eu/sites/default/files/2023-03/ENCLUDE_D7_4_final.pdf



kickstart and manage an EC initiative. The formulation of the user questions has been informed by the co-creation activities of ENCLUDE and relate to our understanding of the potential needs of the stakeholders based on the co-creation activities of the project. Stakeholder engagement was instrumental in many ENCLUDE activities such as the ENCLUDE Academy and events that the project has organized (e.g., an EC workshop in Ghana) or participated in (e.g., a visit to the Municipality of Athens and discussions with policymakers).

Table 1. Different themes within the platform

Themes	User question	Main audiences
Conceptual framework of energy citizenship	What is energy citizenship?	Academics
Documentation of expressions and initiatives of energy citizenship	What examples of energy citizenship can be found across Europe?	Academics and policymakers
Quantification of future impacts of energy citizenship on the energy transition in Europe	What is the role of energy citizenship in the European energy transition?	Policymakers
Collection of resources for organizing an energy citizenship initiative	How can I organize an initiative in the context of the energy transition?	Citizens

Based on these themes, the homepage of the platform was developed. As shown in Figure 2, the first thing that users would see when they visit the platform was a short explanation of energy citizenship, the goal of the website, and a reference to ENCLUDE and the Horizon 2020 projects that have provided content. Below this text, users could find four card-like shapes with links to the four thematic sections of the website, along with a short explanation of their contents. Additionally, the footer of the homepage (Figure 3), included logos and links to all projects that contributed to the content of the platform. Chapters 3-6 below present all thematic webpages.

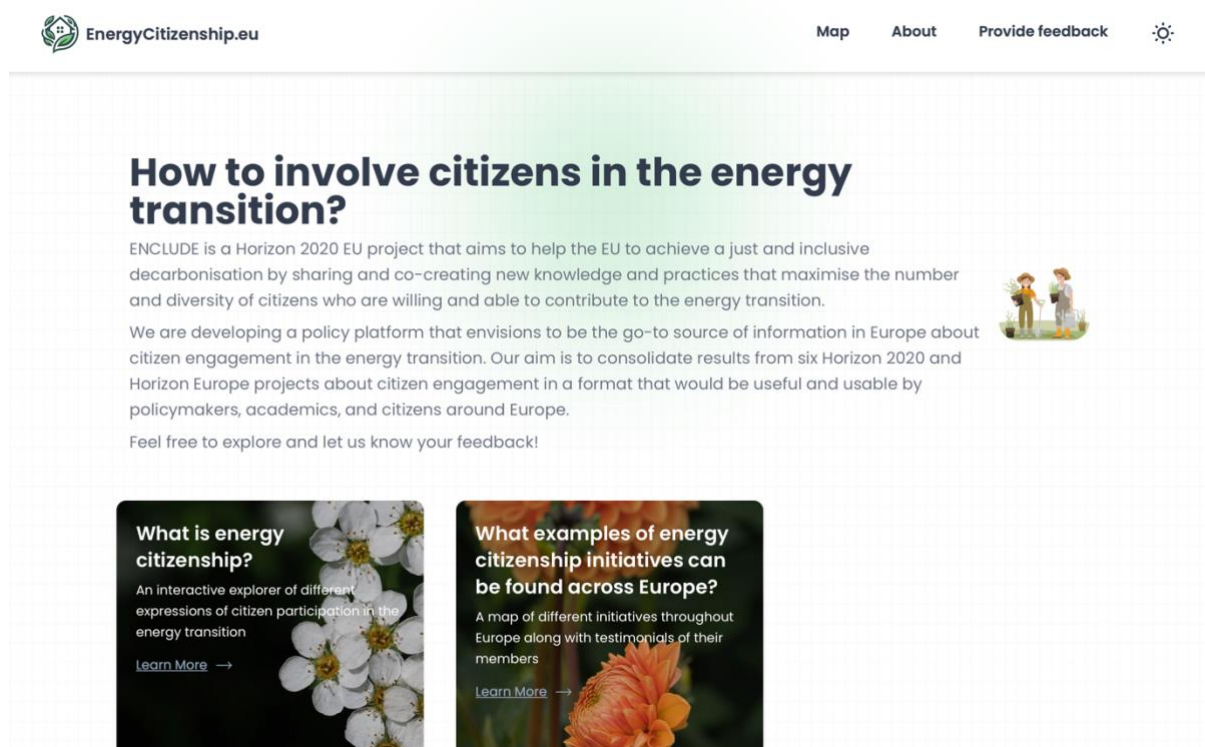


Figure 2. Homepage of the platform, as of 6 June 2024

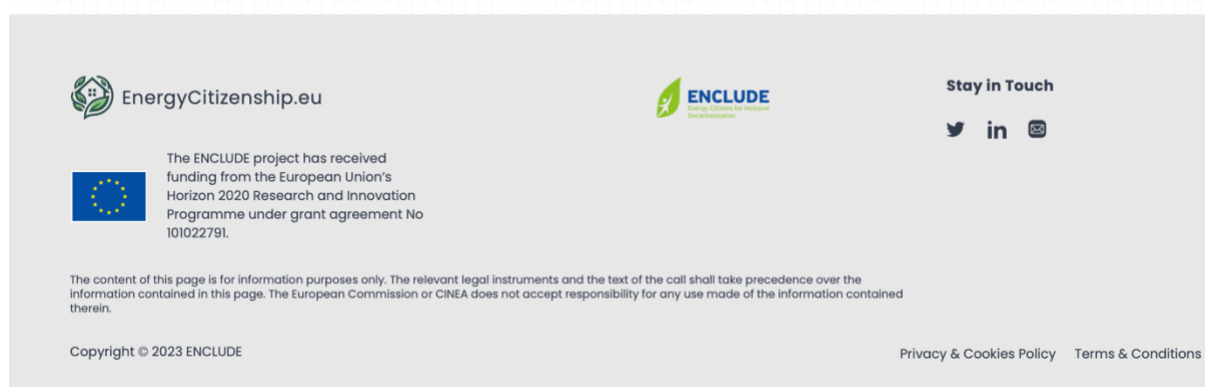


Figure 3. Footer of the platform, as of 6 June 2024



3 Section #1 – Energy citizenship typology

This section is currently based on the work of WP2 in ENCLUDE on conceptualizing energy citizenship and producing an energy citizenship typology. This work was based on a systematic literature review and a mixed-methods approach including an extensive online survey and a Delphi-panel like approach using structured dialogues with key actors and academics. Based on this input, WP2 researchers identified diverse expressions of energy citizenship based on four modes of participation in the energy system: consumption-oriented participation, production-oriented participation, access to energy as a resource, and participation to political and governance activities of energy. These modes of participation are not mutually exclusive and could co-exist on an individual. More details on the WP2 are provided in deliverables D2.1²⁴ and D2.2²⁵.

According to the protocol of D7.4²⁶, the envisioned outputs of WP2 on the platform included text descriptions of the four modes of participations along with a description of each expression of energy citizenship included in the typology. The protocol also suggested that the typology could be structured in an interactive, nested format.

The structure and content suggested in the protocol were accurately implemented in the platform, as shown in the website screenshot in Figure 4. The text on the left introduces the concept of energy citizenship as defined by ENCLUDE's WP2 and invites the users to explore the typology on the right. The user can then click on each category to find out more about the different expressions of energy citizenship which are symbolized using expressive logos, tailor-made for the platform. A nested structure is also used to avoid overwhelming users with information and allow them to explore the categories and expressions they are interested into, following the web design principle “overview first, details later”.

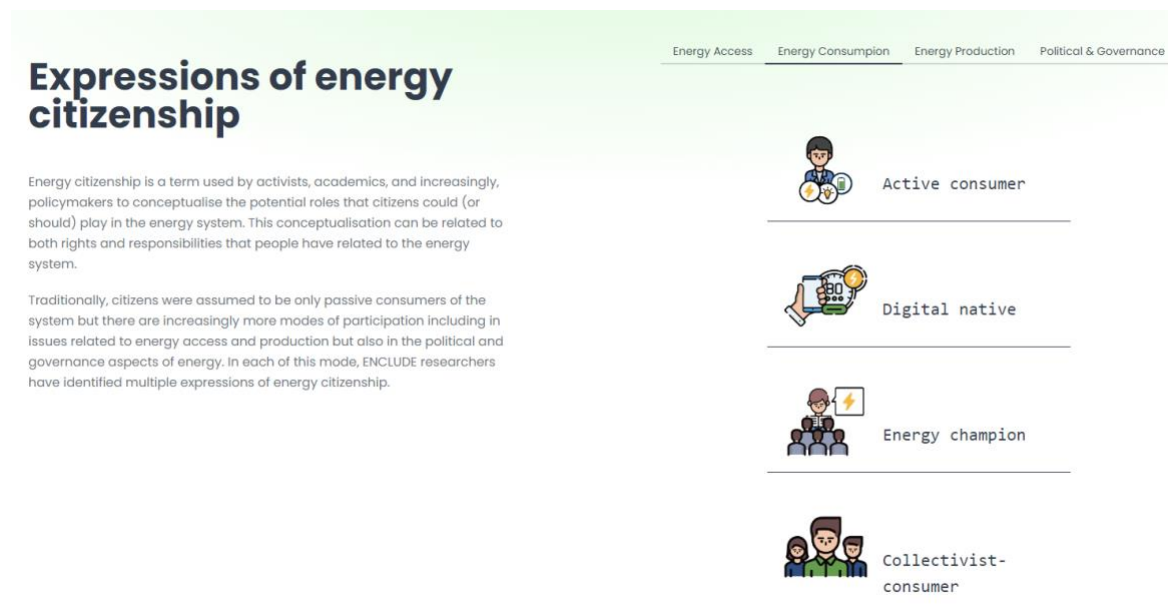


Figure 4. Energy citizenship typologies from WP2 in the policy platform

²⁴ https://encludeproject.eu/sites/default/files/2023-01/ENCLUDE_D2.1%20r2.pdf

²⁵ https://encludeproject.eu/sites/default/files/2023-10/ENCLUDE_D2.2_Typology_of_Energy_Citizenships.pdf

²⁶ http://encludeproject.eu/sites/default/files/2023-03/ENCLUDE_D7_4_final.pdf



In the future, the section will be enriched with more content from the sister projects of ENCLUDE. Since all projects produced different definitions of energy citizenship focusing on different aspects of the concept, they would make a great addition in this section, providing users—especially academics—with a more nuanced handling of the concept. We would also add links to related resources and reports produced by ENCLUDE and the sister projects for further reading to the users and for improving their findability.



4 Section #2 – Collective energy initiatives

The database shown in this section was mostly based on the research of ENCLUDE's WP3. WP3 researchers extensively studied 68 case studies of organized energy citizenship expressions in order to identify processes and factors affecting the emergence and consolidation of such initiatives. During the project, WP3 researchers performed a desk study on these collective energy initiatives and then surveyed and interviewed their members. The design of the study and its analysis was guided by two theoretical frameworks: the Energy Cultures Framework and the Socio-Ecological Systems Framework for Integrated Community Energy Systems. The results of the study were documented in deliverables D3.1²⁷ and D3.2²⁸ and were also adapted for the wider public in a graphic-rich booklet²⁹.

Since the booklet has already presented most findings of the analysis, the protocol of D7.4 suggested that the platform should focus on the underlying data behind the WP3 analysis. Specifically, the data collected on the initiatives could be shown interactively, allowing users to filter and explore them. In addition, links to the booklet and deliverables of WP3 could be also available in the platform to increase their findability and provide a holistic perspective on the topic to the visitors.

The data from the desk study were uploaded in the platform and were presented in an online map format as shown in Figure 5. The map allows users to select a country and see an overview of the different initiatives that have been analyzed, along with a short description for each and a reference to its main technology and activities.

²⁷ https://encludeproject.eu/sites/default/files/2024-02/D3.1%20Report%20on%20survey%20and%20structured%20interview%20results%20final14_06_2023.pdf

²⁸ https://encludeproject.eu/sites/default/files/2024-02/D3.2%20Report%20on%20emergence%20and%20consolidation%20factors%20and%20their%20trade-offs_FINAL-1_0.pdf

²⁹ <https://encludeproject.eu/sites/default/files/2024-03/2024-A5-WP3%20Case%20studies-Booklet-44P.pdf>

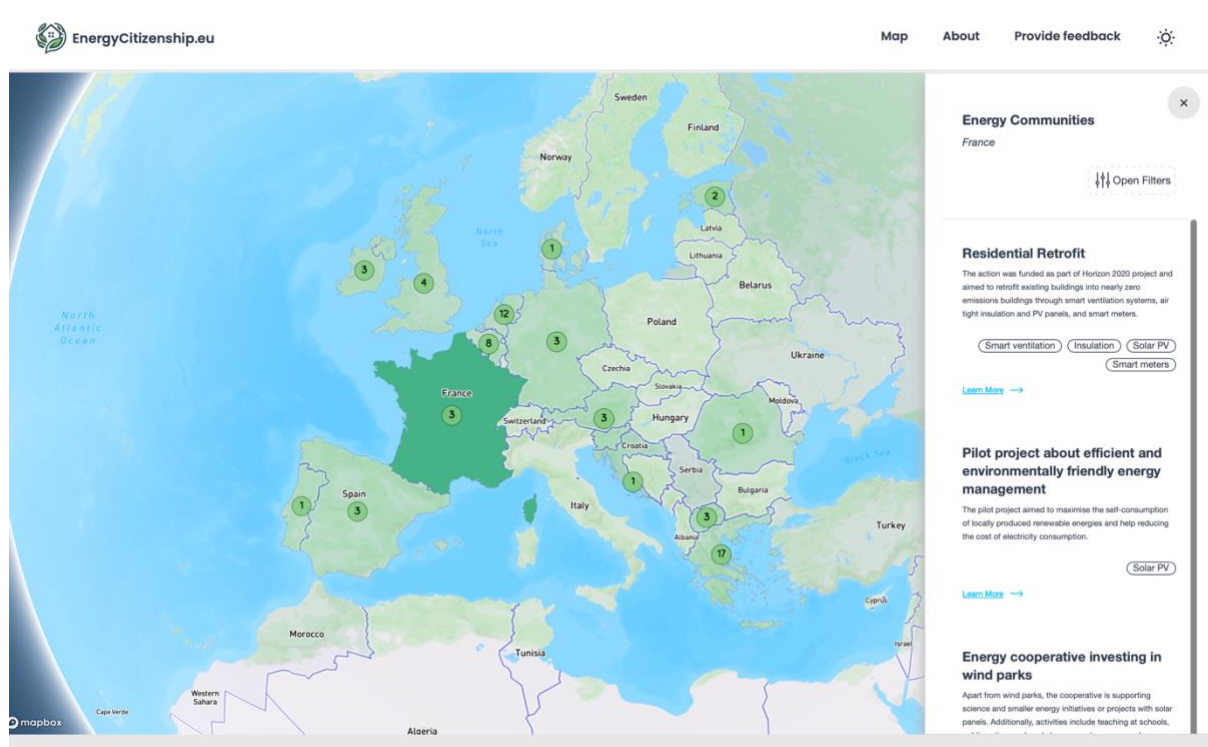


Figure 5. A map of energy citizenship initiatives on the platform

Apart from filtering initiatives by country, users could also filter them by technologies, challenges, impacts, and goals as shown in Figure 6. This filtering allowed user to focus on the topics they are mostly interested in related to the initiatives and to interactively explore the information. The user can then select an initiative to get more details. An energy initiative from Greece is shown as an example in Figure 7. Moreover, the map also includes a number of testimonials from the members of the initiatives, showcasing their motivations or challenges.

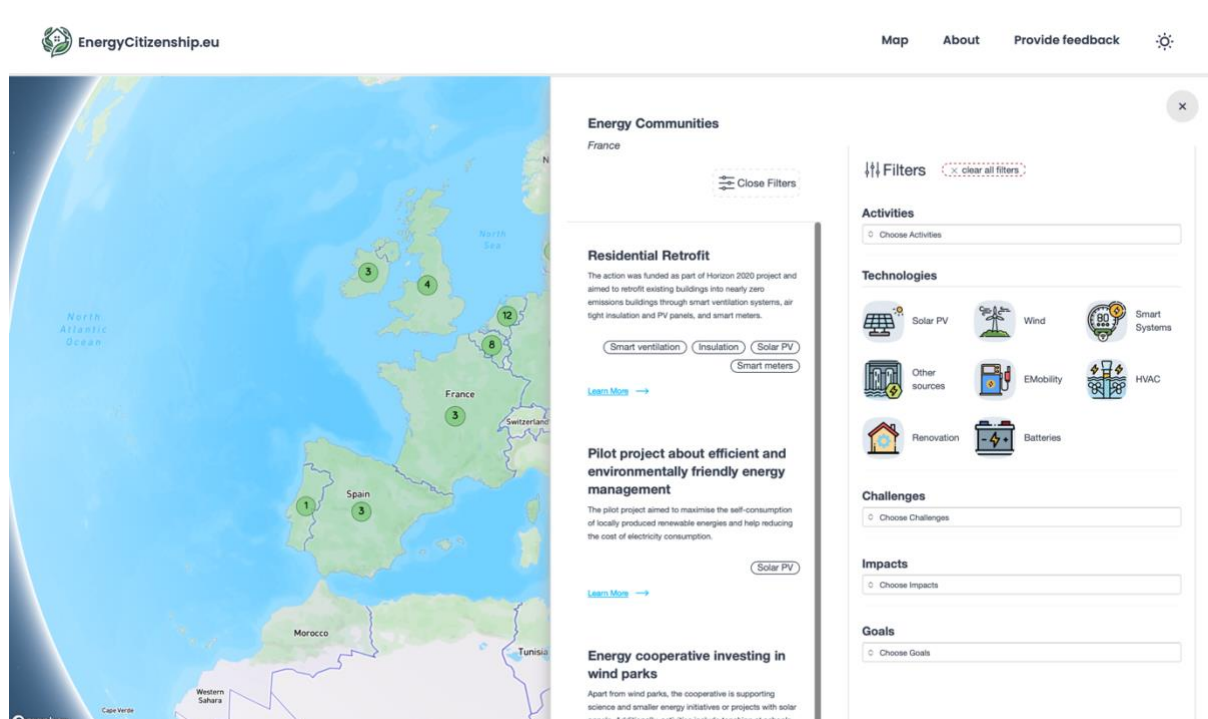


Figure 6. Screenshot of the filter functionality in the map of initiatives

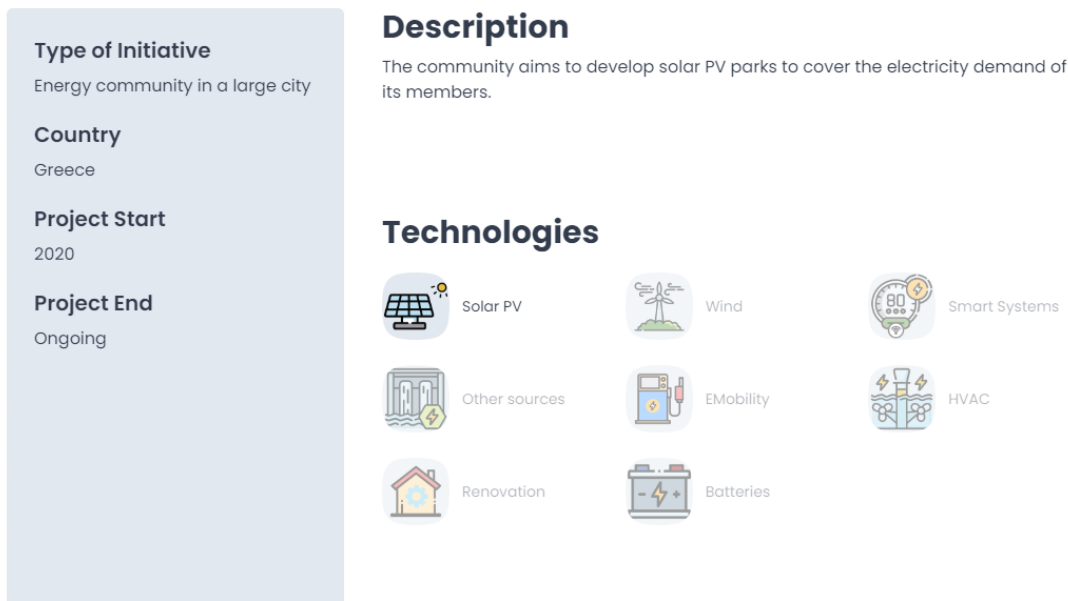


Figure 7. Example of a webpage for a collective energy initiative on the platform

Future additions to this section could include the database of 596 energy citizenship initiatives identified by EnergyProspects project³⁰ as it has similar information on the initiatives as the one collected by ENCLUDE (e.g., country, initiative description, etc.). As in the section on WP2 data, we will also include links to deliverable reports and other relevant resources from ENCLUDE and sister projects that will allow the interested user to delve more into collective energy initiatives in Europe.

³⁰ <https://data.energyprospects.eu>



5 Section #3 – Impacts of energy citizenship

The results of the modeling activities of WP5 and the clustering results of WP4 were envisioned to feature prominently in the platform and were thus especially emphasized in the task description for the design of the platform (Task 7.3 in the Grant Agreement). WP4 aimed to create a clustering algorithm to create groups of energy citizens with common characteristics, thus helping policymakers identify and respond to the needs and abilities of these groups. These characteristics would be based on an extensive literature review, while the algorithm would be trained on the survey data from the Horizon 2020 ECHOES project. WP5 would then use these citizen clusters, as well as information about collective energy initiatives from WP3, to create scenarios of different types and scales of EC initiatives and quantify their impacts at a local, national, and European level.

Based on these objectives, the protocol in Deliverable D7.4³¹ assumed that the platform would feature a set of energy citizen profiles/personas based on clustering results of WP4, described both quantitatively and qualitatively through storylines. WP5 narratives would be connected to these personas, allowing the interconnection of WP results within the platform. In addition, all scenario results from WP5 would be added to the platform and shown through interactive visualizations similar to the ones used for other modelling projects in the I²AM PARIS platform (see Figure 8 for an example).

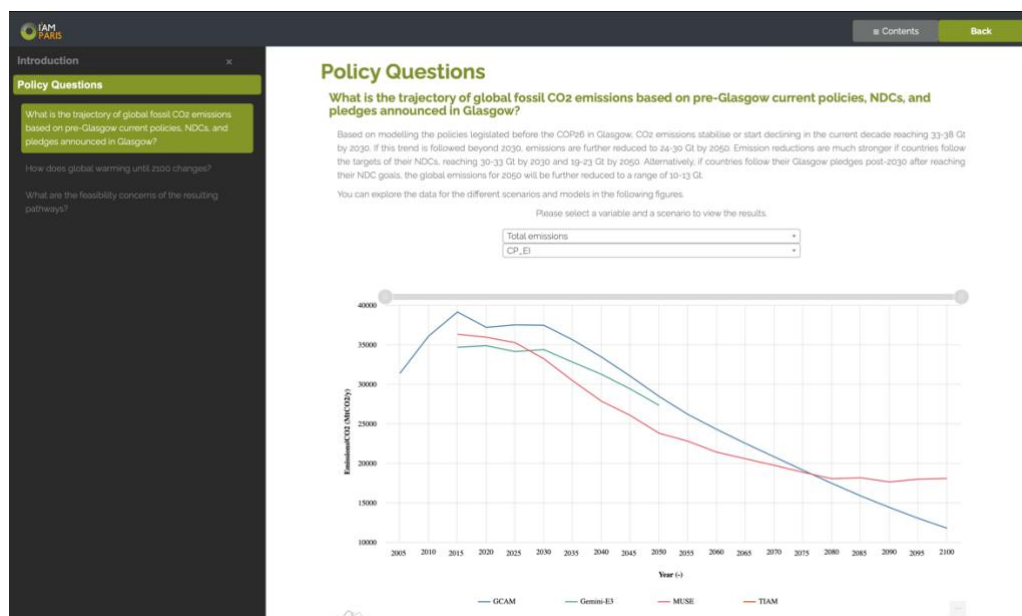


Figure 8. Example of interactive visualizations for modelling data from I²AM PARIS

However, changes in the planning and content of deliverables from WP4 and WP5 have delayed the delivery of their envisioned outputs to the platform development team. Thus, the respective section in the first platform release could not showcase the findings of WP4 and

³¹ http://encludeproject.eu/sites/default/files/2023-03/ENCLUDE_D7_4_final.pdf



WP5 with the same sophistication and interactivity as the sections on the results of WP2 and WP3.

Nevertheless, this section includes a curated collection of resources from Work Packages 4 and 5 that can help visitors understand the potential impacts of energy citizenship to the energy transition in Europe. Most prominently, this collection includes a report on the decarbonisation impact of energy citizenship at the local level which was part of Deliverable D5.3³² and was published on 13 May 2024. The report presented three modelling exercises: 1) a study on prosumerism, focusing on the profitability of small-scale PV systems in different Member States; 2) a study evaluating the growth of collective energy initiatives and their diffusion to the wider population; and 3) a study on the impacts of a citizen-led transition in a coal-intensive region in Greece. An example of the results from the second study is given in Figure 9.

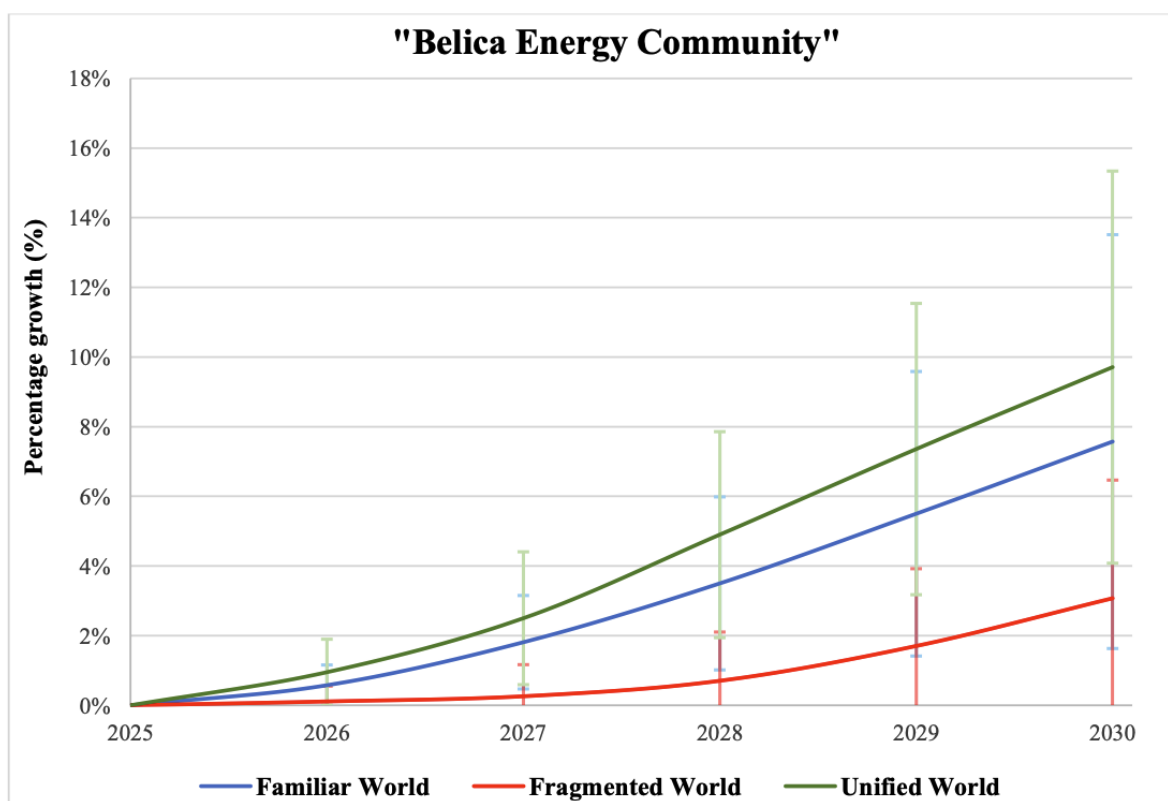


Figure 9. Example of results from the second study of ENCLUDE's Deliverable D5.3

The quantitative results from Deliverable D5.3 are planned to feature in the platform in an interactive format, similar to the one shown in Figure 8. We will also strive to add all modelling results from the last two deliverables of WP5, expected to be published within the next four months, as well as any clustering results from WP4. In addition, we will include relevant findings from sister projects of ENCLUDE on impacts of energy citizenship in future versions of the platform.

³² http://encludeproject.eu/sites/default/files/2024-05/ENCLUDE_D5.3%20Report%20on%20the%20impact%20of%20energy%20citizenship%20at%20the%20local%20level_FINAL.pdf



6 Section #4 – Resources for energy citizen initiatives

One of the most important outputs of ENCLUDE till now revolved around the creation of the ENCLUDE Academy for Energy Citizen Leadership (part of Work Package 6). The Academy was a training program for citizens to help them launch energy communities and other initiatives for the purpose of decarbonization and run successfully between September 2022 and April 2023. The Design Thinking methodology was used to structure the curriculum of the Academy and served as a means of building a bridge between the creation of academic knowledge and the use of this knowledge by citizens. This methodology and curriculum were adapted into The Changemaker's Guide to the Energy Transition³³, a playbook published by the WP6 team in April 2024. The Playbook aimed to take citizens step by step to design, implement and reflect on an initiative of their own related to the energy transition. The Playbook used a playful design, inviting the reader to experiment using trial-and-error approaches in establishing their own initiative. An excerpt from the Playbook is shown in Figure 10.

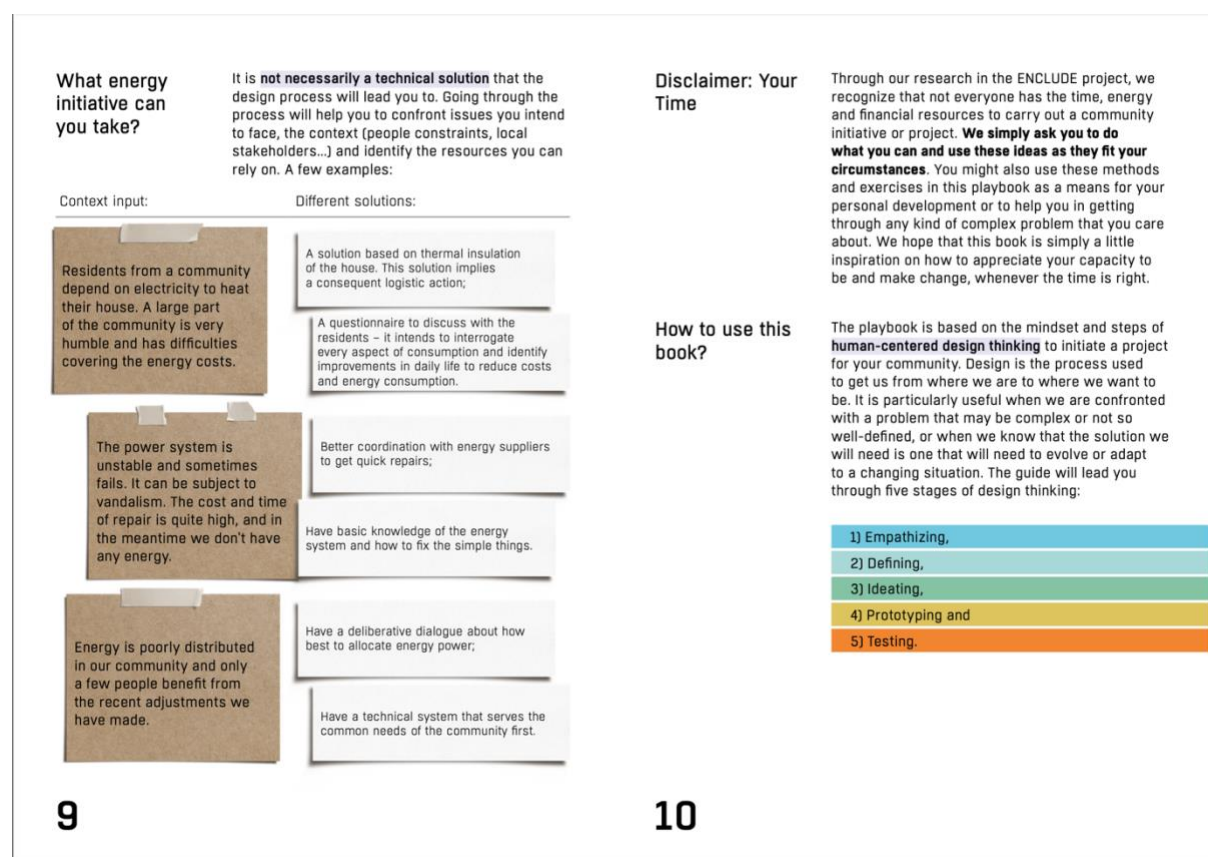


Figure 10. Excerpt from ENCLUDE's Changemaker's Guide to the Energy Transition

While results from WP6 were not initially envisioned to feature in the Interactive Policy Platform, it was deemed important to have a section in the platform to host resources for supporting citizens in their initiatives such as the Playbook. This decision was further

³³ http://encludeproject.eu/sites/default/files/2024-05/20240528_ENCLUDE_playbook_0.pdf



strengthened by the resources produced by the sister projects, such as the Energy Citizenship Empowerment Kit by the EC² project³⁴, a gamified tool shown in Figure 11. Thus, a simple card-like interface was created in ENCLUDE's Interactive Policy Platform to collect and host all these resources for citizens.

*The **Energy Citizenship Empowerment Kit** is a gamified tool to trigger and guide the discussion about participation barriers to the energy system. The tool supports the investigation and identification of potential opportunities and solutions tailored to your context during workshops, brainstorming sessions, energy planning sessions, conferences, and webinars.*

WHY? (GOAL)



- To identify structural and contextual barriers to the participation of marginalized communities in the energy system.
- To explore opportunities and identify possible solutions based on specific and local conditions and resources.
- To advocate for everyone's right and responsibility to participate and contribute to the energy system and transition.
- To raise awareness about structural barriers hindering individuals' participation in the energy system.

WHAT?



Four decks of colour-coded cards representing four different socio-demographic factors which are recognized as critical in the production and re-production of dynamics of exclusion: gender, socio-economic background, ethnic minority and housing.

Figure 11. Excerpt from the Energy Citizenship Empowerment Kit by EC² project³⁵

In the future, more relevant resources will be added. This is especially important for materials created from the sister projects, since all their websites will eventually close some months or years after the end of their projects. Thus, we aim to consolidate all valuable resources produced by these projects under the energycitizenship.eu platform, to facilitate their findability and exploitation by future users.

³⁴ https://online-raketen.at/sites/site0261/media/downloads/energy_citizenship_empowerment_kit_v2.pdf

³⁵ Ibid.



7 Technical implementation

The platform was developed using the Svelte framework³⁶, based on the JavaScript programming language. The framework and the language were chosen as they can create efficient and user-friendly web applications, bringing in many out-of-the-box functionalities that are expected by a modern web application. The potential for component reusability of the framework also helped with the dynamic development of the platform, which needed to be flexible enough to adapt to the type and timing of the data delivered by the other Work Packages of ENCLUDE. The same architecture and technology stack is used for the new version of the I²AM PARIS platform, further facilitating the re-use of technical components and the sharing of functionalities between platforms.

The platform is open source, and all its code can be found on a public GitHub repository³⁷. A screenshot of the repository can be seen in Figure 12. The repository has been also synced with Zenodo, which was used to create a Digital Objective Identifier (DOI) for the platform's code³⁸. The DOI would always resolve to the latest release of the platform, contributing, thus, towards the application of FAIR principles (Findability, Accessibility, Interoperability, and Reusability)³⁹.

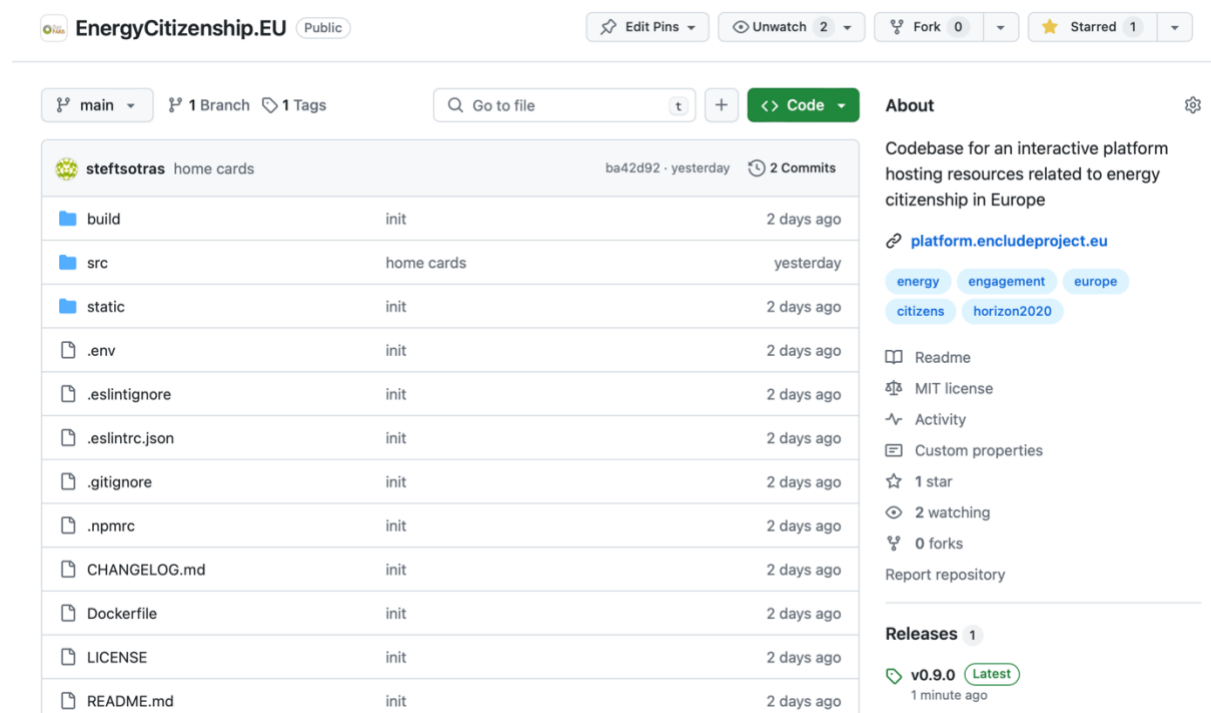


Figure 12. Screenshot of the open-source code repository of the platform

³⁶ <https://svelte.dev>

³⁷ <https://github.com/i2amparis/EnergyCitizenship.EU>

³⁸ <https://doi.org/10.5281/zenodo.11491572>

³⁹ <https://www.go-fair.org/fair-principles/>



8 Testing and perspective

A first version of the platform has been tested during the Smart City Expo Word Congress 2023 on the 7-9 November 2023. ENCLUDE was part of the European Commission's pavilion in this high-visibility event. The Smart City Expo World Congress is considered as one of the most influential events of urban innovation, gathering 25,300 attendees from policymaking, industry, and academia in 2023⁴⁰. A member of the WP7 team was present in the event and promoted the ENCLUDE project and the platform through a booth presentation, posters, and various 1-to-1 discussions (see Figure 13). The version of the platform that was tested included only the map of collective energy initiatives that is detailed in Chapter 4 of this report. Testers were invited to explore the map, check the characteristics of the different initiatives and fill a short questionnaire about their experience with the interface and content of the platform.



Figure 13. Materials and photo from testing the platform at the Smart City Expo 2023

One of the most prominent insights that came from this testing is that the platform needs to have a follow-up. By just exploring the map, it was not clear for the testers what they should do next. This finding informed the current structure of the platform (Chapter 2) and especially the creation of the four thematic sections that connected with pertinent user questions. The meaning and content of sections are also explained to the user, while the map also features a short tutorial, guiding visitors to its functionalities.

Another important finding from the participation in Smart City Expo Word Congress was that there were many platforms available for similar topics in Europe. However, there is no registry of these platforms available, apart from the CORDIS website⁴¹ that features a comprehensive database of all results from EU-funded research and innovation projects. However, this database cannot discern platforms, or any such public-facing interface produced by the projects, hindering thus the findability of a platform unless a user knows of its existence and the name of the project that produced it.

This last insight strengthened our decision to move from a platform that showcases the results of a single project to an umbrella-like platform, collecting various resources on the topic of energy citizenship. Examples of platforms sourcing results from different projects include the

⁴⁰ <https://www.smartcityexpo.com/2023-highlights/>

⁴¹ <https://cordis.europa.eu>



EU-hosted Smart City Marketplace⁴², climatechangemitigation.eu⁴³, and even I²AM PARIS⁴⁴. All these websites are still online and have been through years, in contrast with platforms of single projects that may not be maintained after the project ends. Thus, converting the platform to a more general hub on energy citizenship can potentially support its longevity and increase the usability of the outputs of ENCLUDE and its sister projects for more years to come.

During the next four months, we will improve the content and interface of the platform based on stakeholder feedback from ENCLUDE's participation in EUSEW⁴⁵, the project's final event⁴⁶, and other activities. As the Interactive Policy Platform is hosted in the same server as I²AM PARIS, it will be online for at least two years after the last Horizon Europe that supports I²AM PARIS development, i.e., at least until 2032. More permanent solutions are currently explored for supporting the hosting of both platforms beyond this timeframe.

⁴² <https://smart-cities-marketplace.ec.europa.eu>

⁴³ <https://climatechangemitigation.eu>

⁴⁴ <https://www.i2am-paris.eu>

⁴⁵ <https://interactive.eusew.eu/eusew-2024/sessions/98fef857-a48e-41d0-b9f8-1e9f3e28d456>

⁴⁶ <http://encludeproject.eu/encludes-final-event>

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