ENTRACK

**Empowering local and regional authorities
to design clean energy transition plans**

D2.2 Stakeholder matrix and pathways of engagement

November 2024

entrack-project.eu

Document Control Page

Project Title	Empowering local and regional authorities to design clean energy transition plans through Capacity and Knowledge building actions		
Project Acronym	ENTRACK	Project Number	101120704
Granting Authority	European Climate, Infrastructure and Environment Executive Agency	Type and Topic of Action	LIFE Project Grants LIFE-2022-CET-LOCAL
Project Start Date	1/11/2023	Project End Date	31/10/2026
Deliverable Number and Title	D2.2 Stakeholder matrix and pathways of engagement	Version	1.0
Planned Submission date	30/09/2024	Actual Submission date	04/11/2024
Type	Public	WP	WP2 - Understanding local social energy and stakeholders' engagement for social energy co-design
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Dissemination Level	Public (PU)	Peer Reviewer (s)	n/a

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List of Abbreviations and Acronyms

Abbreviation/ Acronym	Meaning
CINEA	European Climate, Infrastructure, and Environment executive agency
CoP	Community of Practise
EC	European Commission
ENTRACK	Empowering local and regional authorities to design clean energy transition plans
EU	European Union
MRP	Municipality Regions partnership
MS	Member State
WP	Work Package

ENTRACK consortium

The ENTRACK consortium consists of the following organisations:

#	Role	Short name	Participant organization name	Country
1	COO	AISFOR	AISFOR SRL	IT
1.1	AE	RETE	RETE ASSIST- ETS	IT
2	BEN	KILOWATT	KILOWATT SOC COOP	IT
3	BEN	Piano di Sorrento	COMUNE DI PIANO DI SORRENTO	IT
4	BEN	Vico Equense	COMUNE DI VICO EQUENSE	IT
5	BEN	ECOSERVEIS	ASOCIACION ECOSERVEIS	ES
6	BEN	ASSOCIACIO PER LA GESTIO DEL PROGRAMA LEADER RIPOLLES GES BISAURA	ASSOCIACIO PER LA GESTIO DEL PROGRAMA LEADER RIPOLLES GES BISAURA	ES
7	BEN	NOVA	UNIVERSIDADE NOVA DE LISBOA	PT
8	BEN	AREANATEJO	AREANATEJO- AGENCIA REGIONAL DE ENERGIA E AMBIENTE DO NORTE ALENTEJANO E TEJO	PT
09	BEN	MUNICIPALITY OF AVDERA	DIMOS AVDIRON	EL
10	BEN	TOPEIROS	DIMOS TOPEIROU	EL
11	BEN	E3-MODELLING AE	E3-MODELLING AE	EL
12	BEN	IEECP	INSTITUTE FOR EUROPEAN ENERGY AND CLIMATE POLICY STICHTING	NL

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Executive Summary

The report aims to facilitate a structured and inclusive approach to stakeholder engagement, ensuring that the co-design of social energy policies addresses the needs of all involved actors. The methodology involved mapping and analysing stakeholders in four Mediterranean countries —Portugal, Spain, Italy, and Greece—based on their interests and influence in co-designing social energy policies. Forty-five stakeholder typologies were identified, mainly covering public and private sectors, academia, NGOs, and citizens. The results highlight a prevalence of public sector stakeholders, while academia is less represented.

This document provides a detailed overview of the stakeholder matrix and engagement pathways for various typology groups involved in the ENTRACK project. It includes graphic visualisations of the stakeholder matrix and a design of the engagement pathways for different groups based on their typology.

These pathways offer a flexible, adaptable framework for ensuring each typology group has an opportunity to engage meaningfully in the project. Notably, the MRP and CoP pathways proved particularly effective in fostering high levels of interaction with public bodies, municipalities, NGOs, and associations, signalling the importance of these avenues for future multi-stakeholder policy design efforts.

The report emphasises that these pathways will remain adaptable, allowing continuous updates based on ongoing interactions, new insights, and evolving project needs. This iterative approach ensures that the stakeholder matrix and engagement pathways are continuously refined to promote inclusive and equitable energy transitions.

1 Introduction

The European Union (EU) has set ambitious targets for reducing greenhouse gas (GHG) emissions, increasing the share of renewable energy, and improving energy efficiency. These objectives necessitate coordinated efforts across multiple governance levels and sectors, and regional and local authorities play an essential position in enforcing their implementation, as they are closer to the citizens and local realities. Specifically, local entities such as municipalities are recognised to have influence over several domains, including regulatory and economic power at the municipal level (Schmieder *et al.*, 2023). Municipal actors also bridge the gap between decision-makers and citizens (Maliszewska- Nienartowicz and Stefanski, 2024). On the other hand, successful implementation of energy transition policies (such as the Green Deal) is reliant on alignment across governance levels (Zepa and Hoffmann, 2023), where regional governance structures are increasingly being made use of to transpose national and international scale pledges into action at the local level (Lelieveldt and Schram, 2023).

Citizens, as the ultimate consumers of energy, form an integral part of energy systems, yet the degree of citizen involvement in energy debates has been lacking (Miller *et al.*, 2013). In the present context, an increasing emphasis has been placed on the role of citizens in energy transitions, concepts such as energy citizenship (involvement and engagement in the energy transition) (Thalberg and Hajdinjak, 2024) and the opportunities the transition presents to rectify inequalities associated with fossil fuel-based energy systems (Lewis *et al.*, 2021). These inequalities include energy price disparities caused by differences in the availability of resources and connections to energy infrastructure, which can lead to higher energy prices and reduced choices of fuels in rural areas (Roberts *et al.*, 2015). The energy transition is one of the key tools employed in European and national policy approaches to rectify these injustices and move towards a more inclusive and participatory energy system.

With the transition offering new and more flexible energy production systems, particularly in terms of small-scale renewable energy production, there is a broader margin for citizens to become involved in producing the energy they will ultimately consume, so-called "prosumerism" (Šajn, 2016). This involvement may take different forms, such as participating in community energy or energy cooperative initiatives or installing domestic-scale renewable energy equipment in their homes. Other ways in which citizens can participate in the energy transition are through energy-saving practices, installation of energy-efficiency equipment or the selection of a renewable energy supplier (Trenks and Böge, 2023).

Outside domestic energy practices, citizen behaviour can impact broader carbon neutrality goals through behavioural practices such as transport use (IPCC, 2022; Fogg-Rogers *et al.*, 2024), the purchases citizens make on a daily basis, including lifestyle choices such as diet (Frischmann *et al.*, 2020; Steinitz *et al.*, 2024) and personal purchasing preferences (Nijssen *et al.*, 2023). Thus, contemporary policy approaches simultaneously offer citizens a role in the process of green transitions and place responsibilities on citizens to adopt more sustainable behaviours as part of these transitions. It is, therefore, key that citizens feel enabled and motivated to participate for these transitions to succeed. Pathways for citizen involvement in green transitions can, however, be complex, with benefits for those with higher levels of education, higher income and better literacy and a reduced capacity to participate among those without these advantages.

In addition to the key role played by citizens and municipalities, other sectors such as businesses, NGOs and educational institutes all have vital roles in supporting and implementing green transitions, making their engagement in these processes essential for their success. Small and Medium Enterprises (SMEs) account for two-thirds of employment in the EU and for approximately half of the Gross Domestic Product (GDP) in Europe (Gomes and Pinho, 2023). Interestingly, the aggregated impact of

SMEs in terms of emissions is relatively high, at 63% of all CO_2 emissions from companies in the EU (European Commission, 2022).

The scope and resource capacity of individual NGOs will vary widely; however, in the European case, NGOs have been observed to combine forces with other actors, including other NGOs and activist groups, to promote a common agenda (for example, to take action against fracking) (Avelino *et al.*, 2023). NGOs are also vital in retaining focus on key issues, sustaining political pressure, and maintaining a level of stability in the face of political turbulence.

From an educational perspective, studies have shown that children who have been educated in sustainable practices can promote new social norms and positively influence the behaviour of family members. In adulthood, these children will become practitioners of these new norms (Droubi *et al.*, 2023). Research has also shown potential links between educational policy, energy poverty and the promotion of gender equality in a low-income context (Makate, 2024), all of which are relevant to promoting a just transition.

In summary, implementing green transitions involves a chain of actors across different scales, both from within and outside the governance sector. In the scope of delivering a just transition, citizens are key stakeholders in these transitions, since, as an inherent part of the energy system, the participation of citizens in these transitions is key to their success.

By profiling the stakeholder ecosystem in four Southern Mediterranean countries, this report provides a snapshot of the key actors in energy transitions at the local and regional scale and their respective levels of interest and influence. Furthermore, in a European policy climate that is becoming increasingly polarised and divided, evaluating the roles and motivations of actors across all scales is key to ensuring the consistent promotion of green transition initiatives in times of political instability. By revealing these power dynamics and the respective interests of different stakeholder groups, the report is insightful for the development of inclusive engagement pathways that reflect multiple stakeholder values.

The International Association for Public Participation (IAP2) spectrum (2007) (IAP2, 2007), drawing on the ladder of participation (Arnstein, 1969), identifies five levels of participation impact: (1) Inform, providing balanced information; (2) Consult, seeking stakeholder feedback; (3) Involve, working directly with stakeholders; (4) Collaborate, partnering in decision-making; and (5) Empower, granting stakeholders decision-making responsibility. Building on these, this project establishes six pathways of engagement with specific activities, providing a diverse mix of opportunities for stakeholders and citizens to be engaged.

This document is structured into five chapters and one appendix: Chapter 1 aligns the report's aims with the project's objectives; Chapter 2 outlines the methodological approach leading to engagement pathways; Chapter 3 presents the stakeholder's mapping and analysis for the Southern Mediterranean countries of the project at national and regional/local levels; Chapter 4 describes the engagement pathways by stakeholder typology; Chapter 5 provides concluding remarks, and the appendix includes detailed tables used for stakeholder identification, description, and analysis.

1.1   The ENTRACK Project

ENTRACK is an EU project funded under the LIFE programme to provide technical support to clean energy transition plans and strategies in municipalities and regions. It aims to accelerate the transition to a climate-neutral society by increasing the energy policy capacities of eight Mediterranean small-to-medium-sized rural pilot municipalities using a ready-to-use and replicable methodology.

ENTRACK fits into the broader context of decarbonising the energy system, taking into account its social and human dimensions of a just and fair transition. Employing participatory, bottom-up approaches, drawing on inputs from a series of participatory citizen activities and policy actors at the municipal level, will support the design of more just social energy policies. A comprehensive taxonomy of European and national social energy policy landscapes is an integral complementary step for co-designing these policies.

The project supports two local authorities in each of the four Mediterranean countries (Greece, Italy, Portugal, and Spain) situated in rural areas to co-design social energy policies that respond to the specific needs of citizens, especially those in vulnerable situations. Throughout the co-design and implementation of energy transition plans, the municipalities will be supported by modelling tools for impact assessment.

More specifically, ENTRACK-specific objectives are to:

- Increase the capacity of policymakers at the regional and local level through the creation and running of Municipality–Region Partnerships (MRPs), the definition of a replicable ENTRACK methodology to enable local policy actors to co-design social energy policies within the MRP framework, and a ready-to-use policy guidance ENTRACK kit with tools to support the effective co-design of social energy strategies.

- Ensure multi-level governance alignment and harmonisation of energy policies through this taxonomy of social energy policies operating at different governance levels and an integrated set of activities to support the multi-actor (and multi-governance level) collaboration.

- Contribute to achieving European and national targets regarding sustainable energy, providing policymakers with up-to-date knowledge regarding the design of energy plans, monitoring the impact of the project through selected Key Performance Indicators related to energy (such as targets on emissions reductions and building renovation rates), and contributing to the establishment of synergies with other topics, such as energy poverty mitigation, renovation of buildings and job creation.

1.2   Intended Readership

This document is aimed at a wide audience, including policymakers, researchers, and stakeholders involved in the energy transition and social sectors. It provides valuable insights for actors working across different levels of governance—local, regional, and national—on the co-design and implementation of social energy policies. It is also relevant to civil society organisations, private sector representatives, academic institutions, and public authorities engaged in creating participatory, inclusive, and equitable energy policies that consider the needs of all stakeholders.

1.3   Contribution to other ENTRACK activities

The *Taxonomy of social energy plans, strategies and policies from the EU level down to the municipal level (D2.1.)*[1] identified actors involved or targeted by social energy plans, strategies and policies from the

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[1] All published ENTRACK reports can be found on **https://entrack-project.eu/public-deliverables/**

EU to the municipal level, which directly informed the present *Stakeholder matrix and pathways of engagement* report.

On the other hand, the *Stakeholder matrix and pathways of engagement* (D2.2.) set the scene for future interactions with policymakers/other stakeholders to gather more information about ongoing local initiatives/projects/plans/policies, integrated into the report *Taxonomy of social energy plans, strategies and policies from EU level down to municipal level.*

The stakeholder analysis conducted in each country and region was refined through around twenty interviews per country, providing further insights into governance structures and stakeholder dynamics. The results of an empirical analysis of these interviews will be provided in the *Report on survey results and documentation of the full survey database* (D3.1), to be published soon.

The outcomes of this report guided the selection of stakeholders for engagement in the MRPs and Communities of Practice (CoPs), ensuring that their involvement aligns with the project's collaborative objectives and their interests. The *Stakeholder matrix and pathways of engagement* also lay the groundwork for future collaborations with policymakers and stakeholders, contributing to continuous updates on social energy projects and initiatives.

2   Methodology

A structured approach was adopted for stakeholder identification, analysis, and mapping, utilising Excel datasheets to organise and centralise data for subsequent mapping exercises. The methodological framework guiding the development of engagement pathways is outlined in Figure 2.1 and elaborated on in the following subsections.
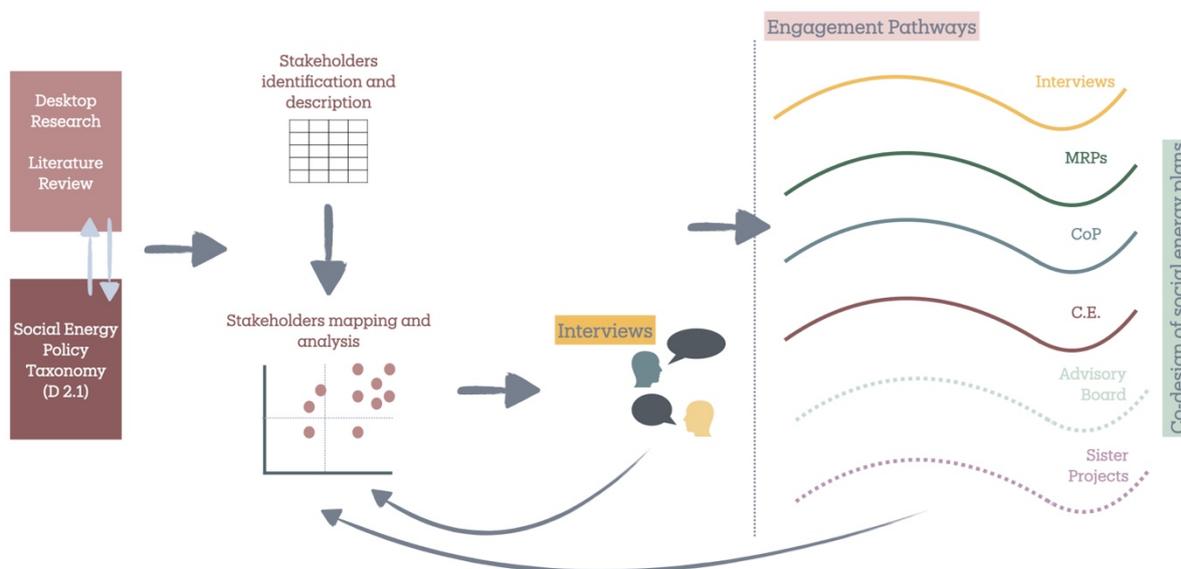
Figure 1.1 - Engagement pathways methodological approach.

2.1   Stakeholder Identification and Description

The initial phase of stakeholder identification was informed by the expertise of project partners, desktop research, and a literature review supported by the ENTRACK *Taxonomy of Social Energy Plans, strategies, and Policie*s report (D2.1). This report identified actors directly involved in or targeted by social energy initiatives and related policies. Key indicators for stakeholder identification included geographic level (national, regional, local), representation in the Quadruple Helix (public sector, private sector/industry, academia, and citizens), stakeholder typology, the institution they represent, and their role within the institution. After that, we followed a snowball approach by adding key stakeholders identified during a set of interviews (around twenty) conducted with multilevel stakeholders in each country.

2.2   Stakeholder Analysis

Once identified, stakeholders were analysed based on their roles, interests, and specific needs for effective participation. This analysis also considered their current actions and contributions to social or energy-related initiatives. Each stakeholder was scored on a scale of 0 to 10 in terms of their level of interest in the project and their influence on its outcomes, policy co-creation of social energy policies design and implementation. This scoring system provided a basis for understanding each stakeholder's potential involvement and influence in the project.

2.3 Establishing Engagement Pathways

The scoring from the stakeholder analysis was used to select key stakeholders for interviews and participation in the initial MRP meetings. Based on their interest and influence, stakeholders were mapped onto various engagement pathways, such as Interviews, MRPs, the CoP, Climate Explorers, the Advisory Board, and the Sister Projects. These pathways reflect different levels and types of engagement, ensuring tailored involvement in the project.

2.4 Re-evaluation of Stakeholders

As stakeholder engagement progressed through interviews and initial MRP meetings, stakeholders were re-evaluated to capture changes in their level of interest and influence. This dynamic process allowed for updates based on actual engagement, ensuring that the pathways of involvement remained relevant. In addition, as suggested by other stakeholders during the interviews, some stakeholders were added in a snowballing effect.

2.5 Re-mapping of Stakeholders

Using the updated scores from the re-evaluation phase (2.4), two stakeholder maps were produced for each country: one at the national scale and another at the regional/local scale. These maps categorised stakeholders by the quadruple helix groups, offering a clear visualisation of their roles in the co-design process:

- Players (the ones that we should collaborate with): stakeholders that have both interest and significant power/influence to be involved in co-design;
- Context setters (the ones to maintain their confidence): stakeholders that have power but little direct interest; should be kept supported to maintain their trust in the process;
- Subjects (the ones that should be maintained informed): stakeholders that have interest but little power/influence); should be kept up-to-date but will not be directly involved in co-design;
- Crowd (stakeholders to be monitored): stakeholders with little interest, power, and lower engagement but whose activities should still be observed for potential influence or impact.

2.6 Re-establishing Engagement Pathways

As stakeholders were re-evaluated and re-mapped, their engagement pathways were updated accordingly. This iterative process allowed the project to continuously adapt stakeholder involvement strategies, ensuring that all relevant actors were appropriately engaged based on their evolving roles, interests, and influence. This approach ensures that the stakeholder analysis and engagement pathways remain flexible and responsive throughout the project's lifecycle, with ongoing improvements as new data and insights emerge.

2.7 Pathways of Engagement per Typology

The six types of engagement were analysed for each stakeholder typology group. To this end, the initial total of typologies (ninety-nine) present in the stakeholder identification and description tables was compared between countries. Uniformization was carried out, giving rise to forty-five typologies. For example, different types of NGO (environmental, social, and social/energy) were included together in the broader NGO typology.

3 Mapping and analysing stakeholders

This section presents the results of stakeholder mapping and analysis at the national and regional/local scales for the Southern Mediterranean countries included in this study. The stakeholders were categorised into quadruple helix groups: public sector, academia, private sector/industry, and citizens. The first four subsections (from 3.1 to 3.4) present the two stakeholder maps for each country, and the last subsection (3.5) analyses the number of stakeholders present on each map globally by quadruple helix groups, which allows for easier comparison between different countries and maps.

3.1 Mapping Portuguese stakeholders

Figure 3.1 details the mapping of Portuguese stakeholders at both the national and regional/local scales. Stakeholders are categorised into quadruple helix groups and plotted based on their perceived and/or observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans. These maps are derived from the Portuguese stakeholder identification, description, and analysis (Table A.1 of Appendix 1) and the stakeholder engagement in project activities, including the initial interviews, as explained in Section 2.

In general, in both maps in Figure 3.1, there is a higher prevalence of stakeholders in the 'Collaborate with' quadrant, *i.e.* there are more potential Players in the project than Context setters, Subjects, or Crowd.

Figure 1.2 - Portuguese national and regional/local stakeholder maps, categorised into quadruple helix groups and plotted based on their observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans

3.2   Mapping Spanish stakeholders

Figure 3.2 details the mapping of Spanish stakeholders at both the national and regional/local scales. Stakeholders are categorised into quadruple helix groups and plotted based on their perceived and/or observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans. These maps are derived from the Spanish stakeholder identification, description, and analysis (Table A.2 of Appendix 1) and the stakeholder engagement in project activities, including the initial interviews, as explained in Section 2.

In general, in both maps in Figure 3.2, there is a higher prevalence of stakeholders in the 'Collaborate with' quadrant, *i.e.* there are more potential Players in the project than Context setters, Subjects, or Crowd.

Figure 1.3 - Spanish national and regional/local stakeholder maps, categorized into quadruple helix groups and plotted based on their observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans.

3.3   Mapping Italian stakeholders

Figure 3.3 details the mapping of Italian stakeholders at both the national and regional/local scales. Stakeholders are categorised into quadruple helix groups and plotted based on their perceived and/or observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans. These maps are derived from the Italian stakeholder identification, description, and analysis (Table A.3 of Appendix 1) and the stakeholder engagement in project activities, including the initial interviews, as explained in Section 2.

In the national map, there is a higher prevalence of stakeholders in the 'Collaborate with' quadrant, *i.e.* there are more potential Players in the project than Context setters, Subjects, or Crowd.

As for the regional/local map, as far as public sector stakeholders are concerned, there is a higher prevalence of stakeholders in the 'Collaborate with' quadrant (Players). Still, with regard to private sector/industry stakeholders, there is a higher prevalence of stakeholders in the 'Maintain informed' quadrant (Subjects).
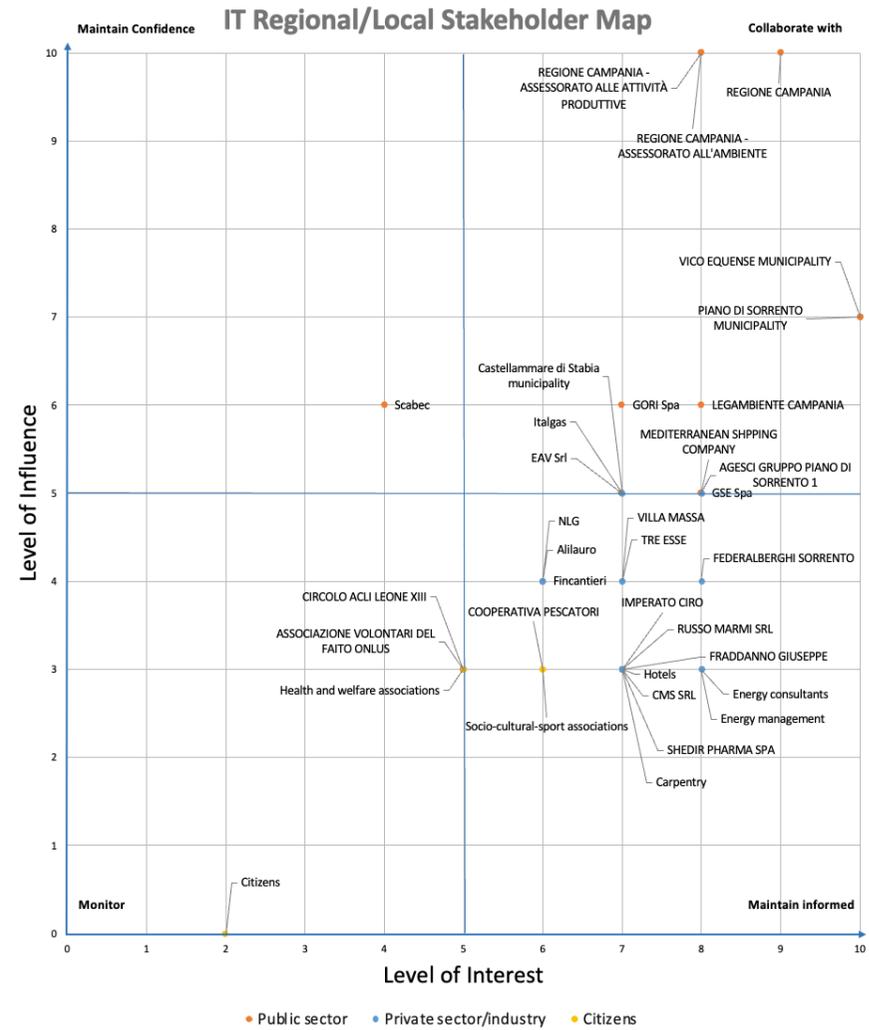
Figure 1.4 - Italian national and regional/local stakeholder maps, categorised into quadruple helix groups and plotted based on their observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans.

3.4   Mapping Greek stakeholders

Figure 3.4 details the mapping of Greek stakeholders at both the national and regional/local scales. Stakeholders are categorised into quadruple helix groups and plotted based on their perceived and/or observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans. These maps are derived from the Greek stakeholder identification, description, and analysis (Table A.4 of Appendix 1) and the stakeholder engagement in project activities, including the initial interviews, as explained in Section 2.

In the regional/local map, there is a higher prevalence of stakeholders from the public sector and in the 'Collaborate with' quadrant, i.e. there are more potential Players in the project than Context setters, Subjects, or Crowd. During the pathways for engagement, it is important to understand how to increase de level of interest of the ones with higher influence in the process.

Regarding the national map, overall, fewer Players are present than in the case of the other countries' national maps. Although often with a high degree of influence, most of the national stakeholders seem to have little interest, which means that most of them are positioned in the 'Maintain confidence' quadrant, Context setters that should be kept supported to maintain their trust in the process, or in limbo between being Players and Context setters.
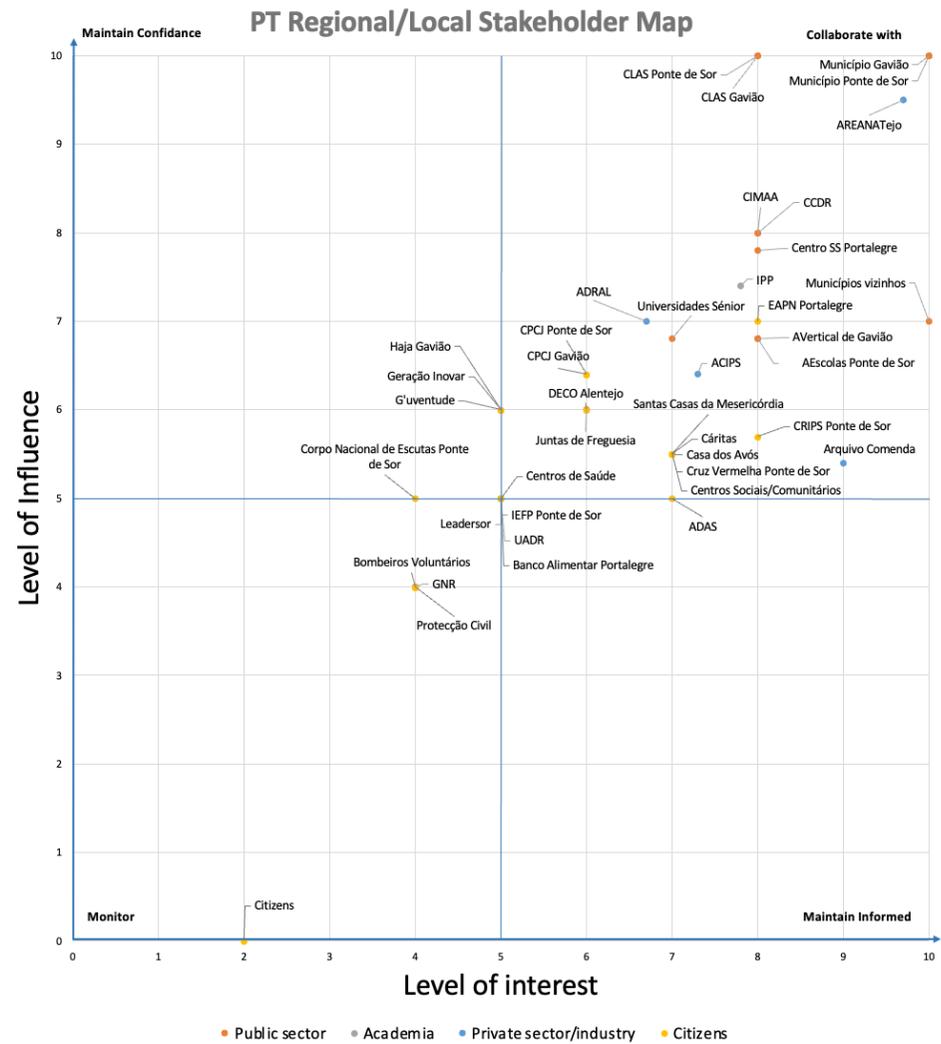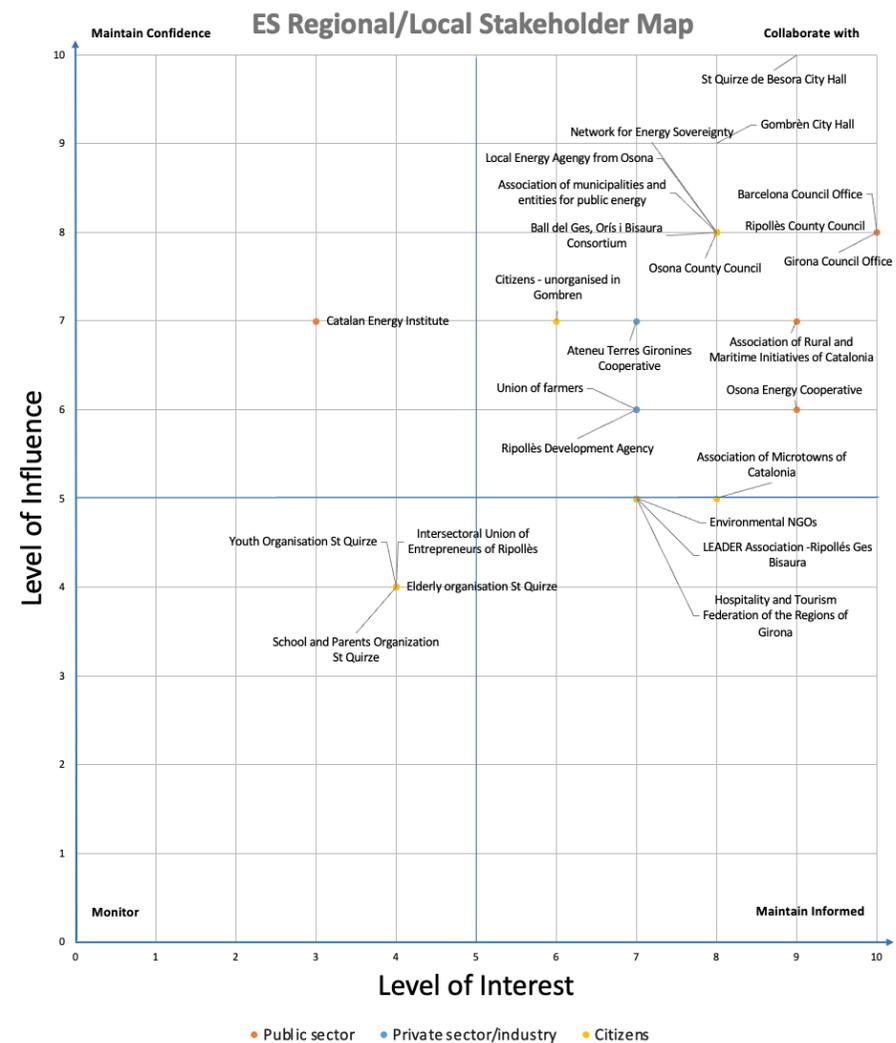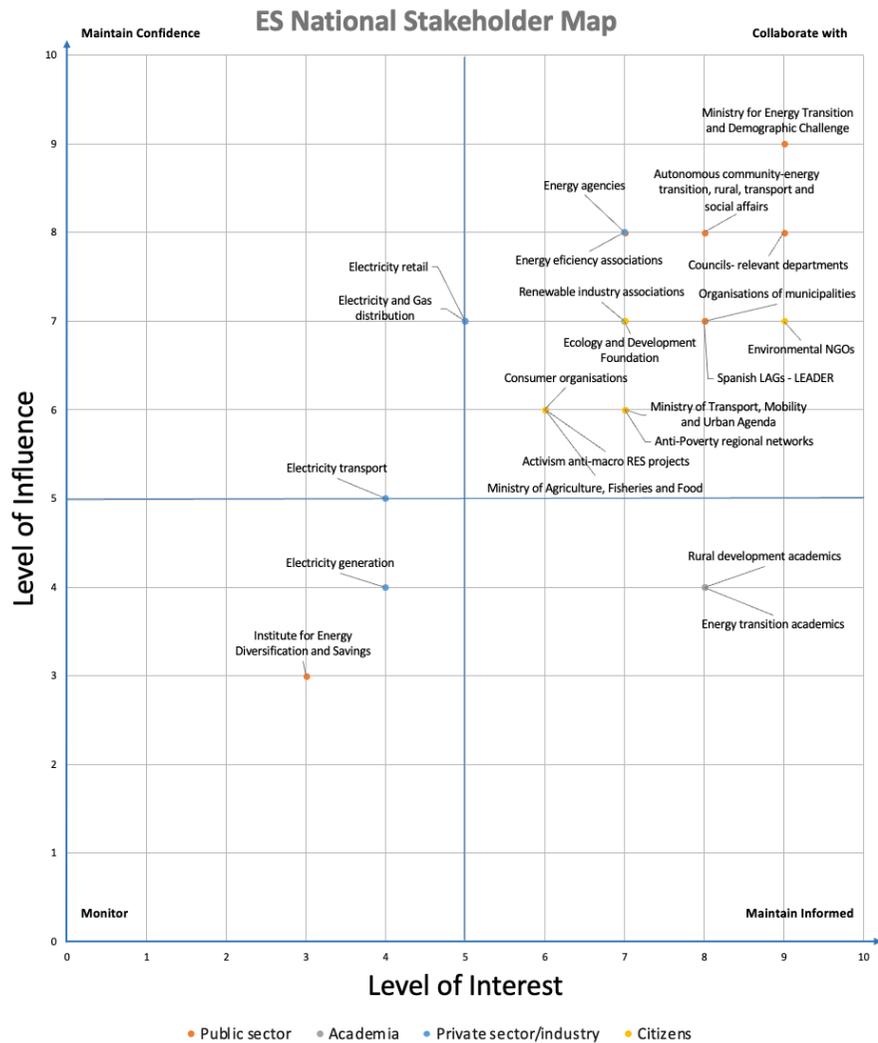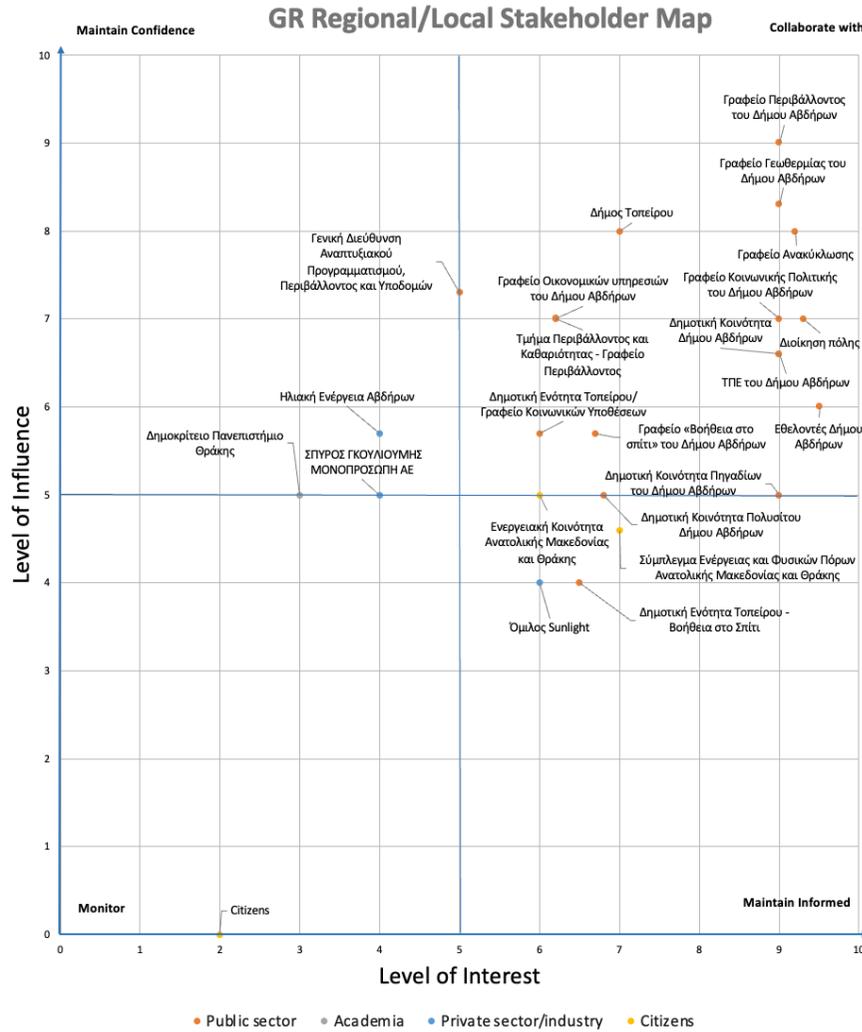
Figure 1.5 - Greek national and regional/local stakeholder maps, categorised into quadruple helix groups and plotted based on their observed level of interest (X-axis) and influence (Y-axis) in the co-design of social energy plans.

3.5   Analysing stakeholders

Figure 3.5 represents the number of stakeholders present in each map from 3.1 to 3.4, therefore, by quadruple helix groups, country and level of governance. Thus, the graph in Figure 3.5 has twenty-six different types of stakeholders, with fifteen stakeholders or groups of stakeholders from the Portuguese public sector (national level). Each type of stakeholder has less than or equal to twenty stakeholders or groups of stakeholders. It should be noted that, for example, a group of seven Italian citizens' associations was considered to be the same "Citizens" stakeholder.

Generally, it is possible to notice a greater prevalence of public sector stakeholders on the maps than of the other quadruple helix groups. In fact, only two maps had more prevalent groups: the Portuguese regional/local map, which had more citizen stakeholders (most of them being Players), and the Italian regional/local map, which had more private sector stakeholders (most of them being Subjects). The map with the highest number of public sector stakeholders was the Greek regional/local map with sixteen stakeholders.

On the other hand, in all the maps except the Italian national map, there was a lower prevalence of stakeholders from the academia group. On the Italian national map, the private sector/industry group had the lowest prevalence, which contrasts with the higher prevalence of this same group in the case of the Italian regional/local map. Otherwise, the proportion of groups in the two Italian maps was more similar. Between the Portuguese maps, there was also a difference in the high number of stakeholders in the citizens group in the case of the regional/local map, which was not the case in the Portuguese national map. Otherwise, the proportion of groups in the two maps was more similar.

In the case of the Spanish and Greek maps, the proportion of groups on the national and regional/local maps was relatively similar. In all four maps, there was a prevalence of the public sector group. Notwithstanding, it is important to highlight that in this identification, it is crucial to guarantee the presence of a diversity of worldviews rather than the representativeness of all sectors.
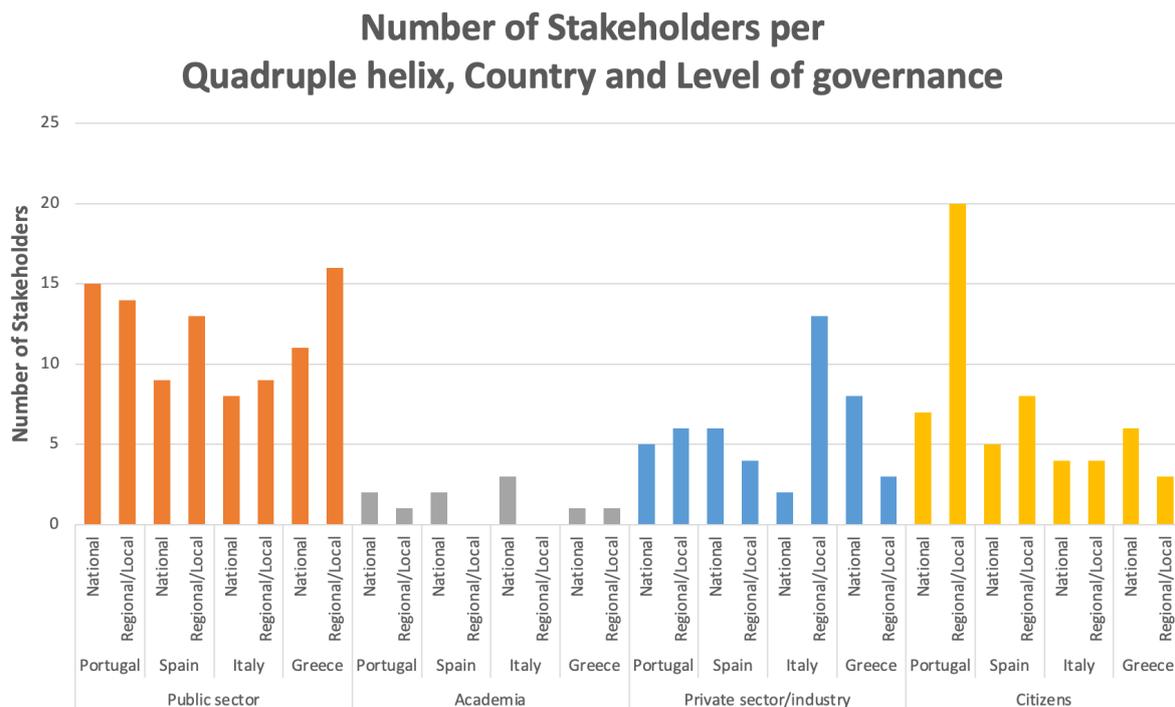
Figure 1.6 - Number of stakeholders per quadruple helix groups, country and level of governance.

4 Pathways of Engagement

Based on the stakeholder mapping and analysis, this section describes the six types of engagement. It presents the pathways of engagement by typology group, indicating the involvement pathways of different groups.

4.1 Types of Engagement

Six types of engagement have been established that are linked to the different project activities in which stakeholders can participate: Interviews (4.1.1); MRP (4.1.2); CoP (4.1.3); Climate Explorers (4.1.4); Advisory Board (4.1.5); Sister projects (4.1.6). Each type has its specific role and engagement structure, enhancing participation in the energy transition process across the piloting regions.

4.1.1 Interviews

A total of seventy-four interviews across Portugal (twenty), Spain (twenty), Italy (seventeen), and Greece (seventeen) have been conducted, aiming to capture diverse perspectives on multilevel governance in social energy planning in each case study. The questionnaire included ten questions on social and energy planning, priorities and concerns, suggested stakeholders to invite to the project activities, and experiences with participatory methods, providing essential insights for refining the stakeholder's analysis. Interviewees were or will be invited to the MRP or the CoP. Moreover, in some cases, the interviews were important for presenting the project to potential stakeholders interested in joining the MRP. The results of these interviews are being analysed under ENTRACK task 3.1.

4.1.2 MRP

The MRPs are collaborative platforms comprising 15-25 members, including local governments, academia, private stakeholders, and civil society. They will meet eight times, with the first three meetings aimed at presenting ENTRACK and the role and purpose of the MRP, discussing the local political context, and discussing the results of the ethnographic activities. Then, there will be five meetings on the codesign of social energy policies. Finally, the last meeting will be to validate the project's methodology and tools. The MRPs aim to foster knowledge-sharing and capacity-building, ensuring a participatory approach to energy transition. By involving a diverse range of stakeholders, the MRPs ensure that energy policies are co-designed to reflect each region's specific energy needs.

At the time of the publishing of this document, the first MRP meeting of each country had:

- 21 participants (Portugal);
- 17 participants (Spain);
- 19 participants (Italy);
- 20 participants (Greece).

The 2nd round of MRP meetings is either done (in Spain – 13 participants) or under preparation for the next weeks.

4.1.3 CoP

The mission is to establish a community of practitioners (CoP) to investigate the key levers and necessary conditions for fostering energy transition in rural Mediterranean areas with stakeholders, with a just angle and participatory policy design.

There will be one CoP per piloting area to accompany (four in total) and, if necessary, a European CoP will be called to participate from the English speakers' participants from the piloting areas; there would be 2000 participants in total. The national CoPs will be based on learning and sharing, where a Coordinating Entity in each country will invite the MRP members to share from their own experience, launch a call to adhere to other municipalities, and develop several activities to transfer the knowledge.

This broad network ensures the dissemination of lessons learned across Europe, helping ensure that energy transition efforts are inclusive and responsive to the needs of rural communities. The CoP also supports continuous engagement, allowing stakeholders to remain involved even after the project's formal completion.

4.1.4 Climate Explorers

The Climate Explorers, a group of volunteers trained under ENTRACK, used ethnographic methods to gather qualitative data from the case-study rural communities, exploring lived experiences, views and perceptions of residents on energy-related issues, local energy sources, community-led initiatives, the impact of energy costs, hopes and fears for the future, among others.

This approach captured lived experiences rather than statistical data, which can reveal common and unique challenges faced by residents. The insights gathered will help tailor energy policies to better meet the specific needs of rural communities, ensuring they are more effective and inclusive.

Each country conducted the following number of ethnographic interviews:

- 228 (Portugal);
- 58 (Spain);
- 184 (Italy);
- 86 (Greece).

4.1.5 Advisory Board

The Advisory Board consists of European experts who provide strategic guidance, helping validate project methodologies and ensuring the sustainability of outcomes. The members of the Advisory Board were selected from the partners network to identify the most interested and active stakeholders. At the time of this report, eight experts have been selected and invited to this board, which are from ICLEI – Local Governments for Sustainability, European Public Service Union, the Friends of the Earth, the Just Transition Platform, the Rural Pact Community, the European Economic and Social Committee, the Joint Research Centre, and the University of Piraeus Research Center. The board meets twice per year to offer feedback, promote the project, and foster links with other EU and global initiatives.

In addition to guiding implementation, the board helps disseminate the project's findings and ensures that the lessons learned contribute to broader energy policy discussions across Europe. This creates a lasting impact, supporting long-term policy development beyond the project's timeline.

4.1.6 Sister Projects

Sister Projects involve collaboration with other EU projects to share best practices and methodologies. By coordinating with these projects, ENTRACK strengthens its network and leverages collective knowledge to enhance its impact. At the moment of writing this report, eleven EU projects (PROSPECT+[2], IN-PLAN[3], RECET[4], LOCAL GoGREEN[5], NECPlatform[6], RENOVERTY[7], AT LAST[8], RePower the Regions[9], Ruralities[10], Plan4CET[11], Own Your SECAP[12]) have been involved in this group.

The first general meeting aimed to introduce the partners to each other and to present the projects, their stage of implementation, best practices and possible challenges faced by the partners. Subsequently, a common shared folder was created to exchange useful documents, good practices, contacts and reports on common activities. According to the topics covered by the projects, four working groups were organised and created: the Training & Co-design Working Group, the Community of Practice Working Group, the Communication & Dissemination Working Group and the Stakeholder Mapping and Engagement Working Group. This last working group is the only one that has not yet met at the time of writing this report.

This synergy ensures that ENTRACK's outcomes are validated, disseminated, and sustained beyond the project's scope. A final report will outline the synergies developed and propose a plan for ongoing collaboration, supporting the project's long-term influence on European energy policy.

4.2 Pathways of engagement per Typology groups

Table 4.1 presents the engagement pathways for various stakeholder typology groups, using the six types of engagement outlined in Section 4.1: Interviews, MRP, CoP, Climate Explorers, Advisory Board, and Sister Projects. Different types of pathways configure various types of engagement; in particular, the interviews and the Climate Explorer configure a consulting type of engagement, while the MRP and the CoP configure a participating and co-creation type of engagement. The last two columns relate to the Advisory Board and Sister Projects, which are more internal pathways of engagement for the project, involving European projects or experts rather than national/regional/local stakeholders, and are therefore in grey in the table.

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[2] https://www.h2020prospect.eu/

[3] https://fedarene.org/project/in-plan/

[4] https://www.recetproject.eu/

[5] https://localgogreen.eu/

[6] https://energy-cities.eu/project/life-necplatform/

[7] https://ieecp.org/projects/renoverty/

[8] https://www.sei.org/projects/at-last/

[9]https://bankwatch.org/repower-the-regions-ambitious-and-inclusive-clean-energy-plans-for-repowering-the-just-transition-regions

[10] https://www.ruralities-project.eu/

[11] https://plan4cet.eu/

[12] https://www.ownyoursecap.eu/

To concisely represent the results presented in Table 4.1, a more general set of typologies has been used, compared to those shown in Appendix 1. For instance, while the tables in Appendix 1 distinguish between different types of NGOs (environmental, social, social/energy), in Table 4.1, these are jointly listed under the broader NGO typology. Similarly, typologies, including youth associations, environmental associations and social associations, have been amalgamated into the association typology. Despite this more condensed definition of the typologies, Table 4.1. still reveals a wide range of typologies, ranging from national to local businesses, higher education institutions and municipal volunteers, representing a truly inclusive approach to the engagement process. Ultimately, this reveals that while co-creation of energy planning processes can be challenging, it is possible to involve a wide range of stakeholder types, which is positive from the perspective of implementing just transitions. It also illustrates an important level of public and private interest in these transitions, which is ultimately vital for their success. In cases where a particular typology was unique to a national case, this is indicated in brackets in the table.

In the table, those pathways which were particularly important for a given typology, in other words, a pathway linked to a high number of interactions with a specific stakeholder typology (which we have considered to be ten interactions or more), have been marked with a black dot. Notably, the CoP pathway resulted in numerous interactions in the public body, NGO and association typologies. The MRP pathway resulted in a high number of interactions with public bodies and municipalities, which is an encouraging finding from the perspective of the co-creation of energy planning with local municipalities. The interview pathway was also relatively successful in engaging public bodies and associations. Finally, as the Climate Explorer, the Advisory Board and the Sister Projects pathways were targeted at specific typologies (citizens, EU experts and EU projects, respectively), they only involved these groups, which should not be compared with the success of the other engagement pathways.

For example, Table 4.1 shows that most local government administration stakeholders have primarily engaged in the project through the National CoP and MRPs pathways, including those in the municipality typology. These stakeholders, identified as "Players" (entities to collaborate with), are likely to experience a form of involvement that spans from consultation to co-creation. Their participation will likely evolve as they engage in co-creating social energy policies during the MRP meetings. Furthermore, additional local government stakeholders of the same typology may be identified throughout the project and could be included in the MRP engagement pathway to ensure comprehensive involvement. This example illustrates how Table 4.1 can serve as a dynamic tool for defining and updating engagement pathways as the project evolves.

Table 4.1 - Pathways of engagement per Typology groups.

Typology	Interviews	MRP	CoP	Climate Explorer	Advisory Board	Sister Projects
Public body	22 ●	29 ●	52 ●	0	0	0
National business	0	1	2	0	0	0
Public company	0	1	3	0	0	0
NGO	6	1	49 ●	0	0	0
Association	10 ●	6	21 ●	0	0	0
National Initiative (Greece)	0	0	0	0	0	0
Higher Education Institution	1	1	7	0	0	0
Regional business	0	3	1	0	0	0
Foundation	0	0	0	0	0	0
Municipality	9	13 ●	0	0	0	0
Local business	1	0	0	0	0	0
Enterprise (Italy)	0	4	0	0	0	0
Municipal Volunteers (Greece)	1	1	0	0	0	0
Energy community	0	0	1	0	0	0
Think Tank (Energy transition and sustainability focused)	1	0	2	0	0	0
Global network (Italy)	0	0	1	0	0	0
Network of local authorities (Italy)	0	0	1	0	0	0
National Ministry (Italy)	0	0	0	0	0	0
Government agency	2	0	2	0	0	0
Research network (Italy)	0	0	2	0	0	0
National Network of Energy Agencies (Italy)	0	0	1	0	0	0
Energy planning	0	0	0	0	0	0
Energy management	0	0	0	0	0	0
Research Centre	0	0	3	0	0	0
National Agency	0	0	2	0	0	0
Cooperative	3	3	3	0	0	0
Business	0	0	0	0	0	0
Regional Coordination and Development Commission (Portugal)	1	1	1	0	0	0
Regional Development Agency (Portugal)	1	1	0	0	0	0
Energy and Environmental Agency (Portugal)	1	1	1	0	0	0
Social services	4	5	0	0	0	0
Education Institution	3	3	0	0	0	0
Parish council	1	1	0	0	0	0
National Republican Guard (Portugal)	0	0	0	0	0	0
Health Services	0	0	0	0	0	0
Employment services	0	1	0	0	0	0
County council	4	4	10 ●	0	0	0
Local Action Group (LAG) Spain	4	4	8	0	0	0
National government	0	0	4	0	0	0
Public Administration	0	0	2	0	0	0
Government department	0	0	1	0	0	0
Energy Agency	0	0	2	0	0	0
Citizens	0	0	0	556 ●	0	0
EU experts	0	0	9	0	9	0
EU projects	0	0	11 ●	0	0	11 ●

5   Conclusion

This report provides a comprehensive overview of the stakeholder landscape and the pathways of engagement within the ENTRACK project, offering valuable insights into the roles, interests, and influence of key actors in energy transition processes across four Mediterranean countries (Portugal, Spain, Italy and Greece). By identifying and categorising stakeholders through the quadruple helix model, the report has outlined how various groups—from public and private sectors to academia and civil society—are identified according to their interests and influence in the social energy landscape of each country and level of governance.

The pathways of engagement described, including Interviews, MRPs, CoPs, Climate Explorers, the Advisory Board, and Sister Projects, offer structured avenues for stakeholder participation, ensuring an inclusive and participatory approach to policy development. In particular, the MRP and CoP pathways appeared particularly successful, which is an important learning for future efforts to develop multi-stakeholder policy design activities.

As outlined in the methodology, the engagement pathways will remain flexible and adaptable throughout the course of the project. The dynamic nature of stakeholder involvement means that new actors may be identified, and existing pathways may be refined or re-established based on ongoing interactions and feedback. This iterative process ensures that the stakeholder mapping, analysis, and engagement strategies are continuously updated, allowing the project to respond to evolving needs and insights. Ultimately, this approach reinforces the project's commitment to fostering a just and inclusive energy transition, ensuring that all relevant voices, including those from vulnerable groups, are considered in shaping the policies and strategies that will drive sustainable energy futures.

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References

- Avelino, F., Hielscher, S., Strumińska-Kutra, M., de Geus, T., Widdel, L., Wittmayer, J., Dańkowska, A., Dembek, A., Fraaije, M., Heidary, J., Iskandarova, M., Rogge, K., Stasik, A., Crudi, F. (2023). "Power to, over and with: Exploring power dynamics in social innovations in energy transitions across Europe" Environmental Innovation and Societal Transitions. 48. 100758

- Droubi, S., Galamba, A., Fernandes, F, L., de Mendonça, A, A., Heffron, R, J. (2023). "Transforming education for the just transition" Energy Research & Social Science. 100.103090

- European Commission. (2022). Flash Eurobarometer 498 SMEs, green markets and resource efficiency Report. Flash Eurobarometer 498 – Ipsos European Public Affairs. March 2022. Available at: https://europa.eu/eurobarometer/surveys/detail/2287

- Fogg-Rogers, L., Sardo, A, M., Csobod, E., Boushel, S., Laggan, S., Hayes, E. (2024). "Citizen-led emissions reduction: Enhancing enjoyment and understanding for diverse citizen engagement with air pollution and climate change decision making" Environmental Science & Policy. 154. 103692

- Frischmann C.J., Mehra M., Allard R., Bayuk K., Gouveia J.P., Gorman M.R. (2020) Drawdown's "System of Solutions" Helps to Achieve the SDGs. In: Leal Filho W., Azul A., Brandli L., Lange Salvia A., Wall T. (eds) Partnerships for the Goals. Encyclopedia of the UN Sustainable Development Goals. Springer, Cham. https://doi.org/10.1007/978-3-319-71067-9_100-1

- Gomes, S., Pinho, M. (2023). "Can we count on the commitment of European SMEs to achieve SGD12? An exploratory study of business sustainability" Journal of Cleaner Production 425, 139016

- International Association for Public Participation (2007). IAP2 Spectrum for Public Participation. http://c.ymcdn.com/sites/www.iap2.org/resource/resmgr/imported/spectrum.pdf

- IPCC. (2022). Impacts, Adaptation and Vulnerability - Summary for policymakers. In Intergovernmental Panel on Climate Change, WGII Sixth Assessment Report. https://doi.org/10.4324/9781315071961–11

- Lelieveldt, H., Schram, W. (2023). "Where are the citizens? Unravelling the lopsided nature of stakeholder participation in the Dutch regional energy transition" Energy Research & Social Science. 96. 102925

- Lewis, P., Granroth-Wilding, H., Napolitano, L., Zabala, C., Vékony, A., Felsmann, B., & Hirschbichler, F. (2021). European Barriers in Retail Energy Markets Project: Final Report. Luxembourg: Publications Office of the European Union. Available at: https://op.europa.eu/pt/publication-detail/-/publication/2ac2008f-71ad-11eb-9ac9-01aa75ed71a1

- Makate, M. (2024). "Turning the page on energy poverty? Quasi-experimental evidence on education and energy poverty in Zimbabwe" Energy Economics. 137. 107784

- Maliszewska-Nienartowicz, J., Stefanski, O. (2024). "Decentralisation versus centralisation in Swedish energy policy: the main challenges and drivers for the energy transition at the regional and local levels" Energy Policy. 188. 114105

- Miller, C, A., Iles, A., Jones, C, F. (2013). "The Social Dimensions of Energy Transitions" Science as Culture. 22:2, 135-148

- Nijssen, S, R, R., Pijs, M., van Ewijk, A., Mueller, B, C, N. (2023). "Towards more sustainable online consumption: The impact of default and informational nudging on consumers' choice of delivery mode" Cleaner and Responsible Consumption. 11. 100135

- Roberts, D., Vera-Toscano, E., Phimister, E. (2015). "Fuel poverty in the UK: Is there a difference between rural and urban areas?" Energy Policy. 87. pp. 216-223
- Šajn, N. (2016). Briefing November 2016- Electricity 'Prosumers'. European Parliamentary Research Service. November 2016. Available at: https://www.europarl.europa.eu/RegData/etudes/BRIE/2016/593518/EPRS_BRI(2016)593518_EN.pdf
- Schmieder, L., Scheer, D., Gaiser, J., Jendritzki, I., Kraus, B. (2023). "Municipalities as change agents? Reconsidering roles and policies in local energy sector-coupling" Energy Research & Social Science. 103. 103210
- Sherry R. Arnstein (1969). "A Ladder Of Citizen Participation" Journal of the American Institute of Planners, 35:4, 216-224. http://dx.doi.org/10.1080/01944366908977225
- Steinitz, F., Johnson, N., Staffell, I. (2024). "From hamburgers to holidays: Modelling the climate change impact of reducing meat consumption according to UK consumer preferences" Current Research in Environmental Sustainability. 7. 100249
- Thalberg, K., Hajdinjak, M. (2024). Energy Citizenship: A Holistic Vision for Citizen Engagement in the European Energy Transition. EnergyPROSPECTS. April 2024. Available at: https://institutdelors.eu/en/publications/energy-citizenship-a-holistic-vision-for-citizen-engagement-in-the-european-energy-transition/
- Trenks, H., Bögel, P, M. (2023). "Empowering citizens for the energy transition: facilitating role change through real-world experiments" Sustainability Science. 19:715–737
- Zepa, I., Hoffmann, V, H. (2023). "Policy mixes across vertical levels of governance in the EU: The case of the sustainable energy transition in Latvia" Environmental Innovation and Societal Transitions. 47. 100699

Appendix 1

- **Table A.1 -** Portuguese stakeholder identification, description, and analysis.
- **Table A.2 -** Spanish stakeholder identification, description, and analysis.
- **Table A.3 -** Italian stakeholder identification, description, and analysis.
- **Table A.4 -** Greek stakeholder identification, description, and analysis.

Table A.1 - Portuguese stakeholder identification, description, and analysis.

Stakeholder identification and description			Stakeholder analysis		
Quadruple helix groups	Typology	Institution	Roles	Interests	Current action
National level					
Public sector	Direct State Administration	DGEG - Direção-Geral de Energia e Geologia (Directorate-General for Energy and Geology)	Body of the Portuguese Public Administration; Mission to contribute to the design, promotion and evaluation of policies relating to energy and geological resources, with a view to sustainable development and guaranteeing security of supply; Promoting the transposition of EU directives and monitoring their implementation; Chairman of the management unit of the National Energy Poverty Observatory.	Promote public awareness regarding the significance of energy and geological resource policies, educating citizens about the tools accessible for enacting policy choices and sharing the outcomes of their monitoring and implementation.	Drawing up standards, regulations and technical specifications; Promoting energy efficiency; Ensuring compliance with legislation; Providing technical and technological support to consumers
	Indirect State Administration	LNEG - Laboratório Nacional de Energia e Geologia (National Energy and Geological Laboratory)	A research, demonstration and technological development organization whose mission is to promote technological innovation by directing science and technology towards the development of the economy, helping to increase the competitiveness of economic agents within the framework of sustainable progress in the Portuguese economy.	Energy resources and renewable technologies, as well as energy efficiency and end-use, such as Energy in Buildings and Smart Communities and Cities with a view to achieving a Sustainable Energy System.	Research and development projects with national and international partners; Provide technical assistance to industry; Implementing solutions and support for the Energy Transition
	State Research Center	LNEC - Laboratório Nacional de Engenharia Civil (National Civil Engineering Laboratory)	Undertake, coordinate and promote scientific research and technological development, promoting continuous improvement and best practices in Civil Engineering. Providing technical support to entities within various sectors of public administration.	Promoting the dissemination of knowledge and best practices in Civil Engineering; Contributing to the sustainable development and improvement of infrastructure;	Protection and requalification of the natural and built heritage; Technological modernization, innovation and support; Construction sector; Housing and urban planning; Buildings.

			Collaboration with public and private entities for knowledge exchange and technology transfer	
Independent Administrative Body	ERSE - Entidade Reguladora dos Serviços Energéticos (Energy Services Regulatory Body)	Entity responsible for regulating the natural gas and electricity sectors, whose mission is to adequately protect the interests of consumers, promote competition between market players, contribute to the progressive improvement of economic and environmental conditions and arbitrate and resolve disputes.	Promoting information, clarification and training for economically vulnerable end consumers in relation to prices, the form and quality of service provision; Promoting efficiency in the consumption of electricity and natural gas.	Economic regulation; Definition of tariff methodologies; Energy Efficiency Promotion Plan; Energy Consumer Support
National Agency	ADENE - Agência para a Energia (Energy Agency)	Promoting and carrying out activities in the public interest in the area of energy (such as the CINERGIA - Energy Information Center project) and its interfaces with other sectoral policies; National Coordinator of the EU Covenant of Mayors for Climate and Energy in Portugal; Collaboration with the Public Administration; Technical and operational support for the National Energy Poverty Observatory.	Participate in national or international networks or associations of organisations with a similar vocation	Energy efficiency projects; Dissemination and awareness-raising activities; Energy literacy; Specialised training actions
Non-profit association	RNAE – Associação das Agências de Energia e Ambiente (National Network of Energy and Environment Agencies)	Facilitating cooperation and information sharing among municipal and regional Energy and Environment Agencies; Enhancing member agencies' credibility in energy and environmental management; Liaising with entities involved in energy and environmental policies; Facilitator in supporting the submission of applications for the Vale Eficiência Programme, funded by the Portuguese Recovery and Resilience Plan (PRR).	Strengthening partnerships with entities involved in energy and environmental policies; Advancing local, national, and European-level actions for energy efficiency and renewable energy promotion; Advocating for policies that reduce energy dependence and prioritize sustainable solutions; Collaborating with national and European stakeholders to develop local strategies for sustainable development and greenhouse gas emissions reduction.	Energy efficiency and renewable energy promotion; Cooperation and information sharing; Energy and Environment Agencies; Local strategies; Stakeholders collaboration

National Association	Associação Nacional de Municípios Portugueses (National Association of Portuguese Municipalities)	Representation and defence of municipalities and parishes before sovereign bodies; Carrying out studies and projects on issues relevant to Local Government; Creating and maintaining technical and legal consultancy and advisory services for its members; Developing initiatives to inform local elected representatives and to provide training and professional development for local government staff; The exchange of experiences and information of a technical-administrative nature between its members; Representing its members before national or international organisations. It is divided into various sections, such as the following: Municipalities for Climate Action Section; Low Density and Rural Municipalities Section; Renewable Energy Municipalities Section	Promotion, defence, dignification and representation of Local Government.	Local projects; Local promotion; Public policies; Social and territorial cohesion
National Association	ANAFRE - Associação Nacional de Freguesias (National Association of Parishes)	Facilitator in supporting the submission of applications for the Vale Eficiência Programme, funded by the Portuguese Recovery and Resilience Plan (PRR); Representation and defence of parishes before sovereign bodies; Carrying out studies and projects on issues relevant to Local Government; Creating and maintaining consultancy and technical-legal advisory services for member parishes; Developing information and training programmes for local elected representatives; Representing its members before national and international organisations.	Promotion, defence and dignification of Local Government; Development and social and territorial cohesion in Portugal; Contributing to the construction of public policies and the dignification of the parishes.	Local projects; Local promotion; Public policies; Social and territorial cohesion
Non-profit association	APREN - Associação Portuguesa de Energias Renováveis (Portuguese Renewable Energy Association)	Participating in the development of energy policies for Portugal; Promoting the utilization of national renewable resources for electricity production; Fostering coordination and maintaining ongoing communication with the government, relevant ministries, and their respective bodies; Facilitating dialogue with key national stakeholders involved in renewable electricity production and representatives of civil society; Engaging in European-level	Advancing renewable energy utilization in Portugal; Influencing energy policy development to support renewable energy initiatives; Strengthening relationships and collaboration with government agencies and ministries; Facilitating	Energy policies; Renewable energy; Cooperation among stakeholders

		activities, including participation in projects and partnerships with European Associations for represented technologies; Monitoring European energy policy and developments in the renewable energy sector across EU Member States.	dialogue and cooperation among stakeholders involved in renewable electricity production; Contributing to European-level initiatives and projects for renewable energy.	
Public funding organisation	Fundo Ambiental (Environmental Fund)	Supporting environmental and climate action policies for the pursuit of sustainable development goals, contributing to the fulfilment of national and international objectives and commitments.	-	Finances organisations, activities or projects that fall into various areas of activity, such as: Climate change mitigation; Climate change adaptation; Combating energy poverty.
Public body	IHRU - Instituto da Habitação e da Reabilitação Urbana (Housing and Urban Rehabilitation Institute)	Responsible for implementing and overseeing national housing policy in Portugal. With administrative and financial autonomy, it operates under the supervision of the government to advance housing initiatives, rental housing support, and urban rehabilitation programs.	-	Works closely with regional and local authorities to align national housing efforts with local needs, ensuring coordinated action in line with the basic housing law.
National Agency	AD&C - Agência para o Desenvolvimento e Coesão (Agency for Development and Cohesion)	Coordinating regional development policy and overseeing the allocation and management of European funds across Portugal.	-	Leads the technical coordination of the Portugal 2030 program, provides support to the Interministerial Commission on European Funds, and aids in negotiating European regulations and financial frameworks.
National business	Spi - Sociedade Portuguesa de Inovação (Portuguese Innovation Society)	Support organisations in managing projects that foster innovation and promote international opportunities, using strategic partnerships whenever appropriate. SPI positions itself as a unique catalyst for links between companies, scientific and technological institutions, public administration and national and international public and private organisations.	-	Innovation; Science and Technology; Territory; Tourism and Agriculture

Academia	Research Center	CENSE - Centro de Investigação em Ambiente e Sustentabilidade (Environment and Sustainability Research Centre)	Conducting interdisciplinary research and advanced education in sustainability; Exploring new pathways for building a sustainable society; Integrating into international and national networks for collaboration and knowledge exchange; Producing knowledge that informs decision-making processes; Promoting the co-creation of solutions with society through impactful scientific research; Fostering thought leadership in societal programs with local and global impact.	Translating research findings into societal programs with local and global impact, contributing to science-informed policy decisions; Developing evidence-based knowledge to eradicate energy poverty and foster a socially just and sustainable energy system; Leading coordination efforts, such as Portugal's involvement in the EPAH coordination team; Developing tools like the Energy Poverty Vulnerability Index to assess and map vulnerability to energy poverty at the parish level in Portugal.	Research; Projects; Coordination; Energy poverty; Just energy transition; Policies; Tools; Co-creation of solutions; Decision-making processes
	Research Center	CHANGE (Institute for Global Change and Sustainability) / MED (Mediterranean Institute for Agriculture, Environment and Development)	Identification of governance and public policy solutions, duly supported by science, through a team that develops, evaluates and recommends innovative public policies in the field of global change and sustainability.	-	Scientific research along the following thematic lines: safeguarding and promoting biodiversity and ecosystem services, ensuring sustainable food and biomass systems, and the preservation and regeneration of natural resources, promoting a circular and carbon-neutral economy, strengthening territorial cohesion to reduce disparities.

Private sector/industry	Foundation	Fundação Calouste Gulbenkian (Calouste Gulbenkian Foundation)	Promote knowledge, scientific research and greater participation and involvement of citizens and civil society in building more sustainable communities; To speed up the Portugal's just energy transition, it launched the "Ponto de Transição" (in partnership with CENSE and RNAE), a neighbourhood initiative that operates at municipal level and tests an innovative model to support families in improving the energy performance of their homes.	Promoting the development of people and organisations, through art, science, education and charity, for a more equitable and sustainable society.	Scientific research; Citizens involvement; Just energy transition
	National business	Greenvolt	It develops large-scale renewable energy projects - onshore wind, photovoltaic and storage - and offers a variety of individual and collective self-consumption solutions.	-	Sustainable biomass, wind energy, solar energy, storage, self-consumption.
	National business	E-REDES	Guaranteeing the supply of electricity to all consumers, with quality, safety and efficiency; Promote the development of the distribution network to support the energy transition; Ensure the availability of services to market agents in an exempt manner; Maintaining the distribution network and guaranteeing security of supply; ensuring compliance with quality standards; Enabling the integration of renewable production into the distribution network: supporting increased energy efficiency in consumption; Providing services to consumers, suppliers and other agents in the electricity sector.	Proximity to consumers and ensuring a quality service, focussed on the customer and guided by strong social responsibility.	
	National business	Cleanwatts	By their expertise, proprietary technology and financial capital, the company builds and manages Renewable Energy Communities (REC).	-	RECs

	National business	EDP	It develops large-scale renewable energy projects - onshore and offshore wind, and photovoltaic. One of the world's largest producers of wind energy, develops, builds and operates onshore wind farms.	They are committed to democratising access to decentralised solar generation and intend to grow.	Wind energy, solar energy.
Citizens	Environmental NGO	ZERO - Associação Sistema Terrestre Sustentável (Sustainable Earth System Association)	Influencing public policies (national, European and global) in areas such as climate change and energy; Communicating the link between environmental protection and building a more equitable, just and sustainable society and economy; Develop demonstration projects of good practice in terms of sustainability; Encouraging public participation and citizen involvement through awareness-raising, training and education actions.	Defending the values of sustainability in Portuguese society; Collaborate in research projects relevant to the fulfilment of environmental intervention objectives;	Public policies; Sustainability communication; Awareness-raising, training and education; Public participation; Active citizenship
	Environmental NGO	GEOTA - Grupo de Estudos de Ordenamento do Território e Ambiente (Spatial Planning and Environment Study Group)	Training citizens to become active agents of environmental education, intervention and advocacy; Working on issues and projects associated with the planning and organisation of national territory; Promoting the rational use of energy resources and encouraging the use of renewable energies; Monitoring projects with major territorial impacts.	Promoting sustainable development and the conservation of natural and cultural heritage; Actively transmit the exercise of citizenship	Awareness-raising, training and education; Active citizenship; Planning/Monitoring projects; Renature projects
	Non-profit association	Just a Change	Rebuilds the homes of needy people in Portugal, with various structural problems; Engaging volunteers to actively participate in interventions; Working with partners who share the goal of eradicating housing poverty; Incorporating sustainable solutions in construction to provide access to thermal efficiency and renewable energy solutions with low maintenance costs; Coordinating efforts across the public, private, and social sectors to maximize synergies and resources for more effective interventions.	Collaborating with public, private, and social sectors to maximize synergies and efficiency in interventions; Engaging Portuguese students from various regions, providing them with exposure to isolated areas and fostering community transformation through their commitment; Striving for efficiency, quality, social effectiveness, and financial	Eradicating "Housing Poverty"; Environmental Sustainability; Community engagement and transformation; Awareness-raising; Promotion of Local Synergies; (Re)integration of Needy Persons/Families

			sustainability in interventions.	
Consumer association	DECO Proteste /DECO Associação do Consumidor (DECO Consumer Association)	Recommend products and services based on the results of our independent comparative tests; Comprehensive technical, scientific and political work; Offering an information and legal counselling service; Being the bridge between consumers and institutions/companies.	Empower consumers with information, negotiation and approval; Intervention with public and private organisations.	Consumer information and empowerment
Cooperative	Coopernico	Portugal's first renewable energy co-operative. It is a social enterprise that, through community involvement, seeks to promote the transition to a new energy and social paradigm; Promote and finance renewable energy projects through the investment of its members - through the principles of collective investment and co-ownership - with interesting, long-term returns - and it dedicates a fixed portion of the profits from each project to social and/or environmental protection actions; Creating social value through direct collaboration or by allocating part of the results obtained to social economy or educational organisations.	Involve citizens and companies in the creation of a new energy paradigm - renewable and decentralised - for the benefit of society and the environment; Always prioritise local partners, creating green jobs locally and promoting the transition to a more sustainable economy.	Renewable and decentralised energy; Local partnership; Community involvement; Social value
Social NGO	EAPN - Rede Europeia Anti-Pobreza (European Anti-Poverty Network Portugal)	Meetings and institutional contacts, analysis of policies, opinions and decision-making, training/education against poverty, involvement in studies and national and transnational projects, contact with the European dimension of the NGO.	Helping national networks and all organizations fighting to promote social inclusion	Poverty; Social exclusion
Project	PCS - Portal da Construção Sustentável (Sustainable Construction Portal)	Provide up-to-date information on the buildings sector, with a focus on construction quality, energy efficiency and refurbishment; raise awareness of this new reality among the public and companies in the sector, through online tools and awareness-raising projects; publicise products and/or services that respond to this reality.	It aims to bring together as partners all companies and organisations whose products or services comply with the basic principles of: being non-polluting and harmless to human health; not being made from oil (where this is not justified and there are alternatives); and contributing to sustainable development.	Buildings and construction

Regional level

Public sector	Regional Coordination and Development Commission	Coordination and Development Commissions (CCDR)	Ensuring liaison between direct state administration institutions, local authorities and inter-municipal entities, scientific and technological system entities and third sector entities	-	Territory, community, policies, resources and dissemination
	Association of Municipalities	Intermunicipal Communities (CIM)	Promoting and defending the common interests of the associated municipalities, promoting their integrated and sustained development, enhancing partnerships, creating synergies and maximising complementarities. Covenant of Mayors Coordinator	-	Territory, community, policies, resources and dissemination
	Regional Coordination and Development Commission	CCDR Alentejo - Comissão de Coordenação e Desenvolvimento Regional do Alentejo (Alentejo Regional Coordination and Development Commission)	Ensuring liaison between direct state administration institutions, local authorities and inter-municipal entities, scientific and technological system entities and third sector entities in the region of Alentejo.	-	Territory, community, policies, resources and dissemination
	Association of Municipalities	CIMAA - Comunidade Intermunicipal do Alto Alentejo (Intermunicipal Community of Alto Alentejo)	Promoting and defending the common interests of the associated municipalities, promoting their integrated and sustained development, enhancing partnerships, creating synergies and maximising complementarities, in the NUTS III region of Alto Alentejo. Covenant of Mayors Coordinator.	-	Territory, community, policies, resources and dissemination
Academia	Higher Education Institution	IPP - Instituto Politécnico de Portalegre (Polytechnic Institute of Portalegre)	The Polytechnic of Portalegre is a public higher education institution that creates, transmits and disseminates professionally orientated knowledge through high-level training and qualifications for different audiences at various points in their academic and professional careers, and through research and technological development for the promotion of communities, in cooperation with regional, national and international organisations.	-	Education, research and dissemination

Private sector/industry	Regional Development Agency	ADRAL - Agência de Desenvolvimento Regional do Alentejo (Alentejo Regional Development Agency)	ADRAL's mission is the economic and social development of the Alentejo region through co-operation with other agents in the territory, in a position of interface between partners, policies and resources. Covenant of Mayors Supporter	-	Territory, community,policies, resources and dissemination
	Energy and Environmental Agency	AREANATejo	AREANATejo's mission and main objectives are: i) Adopting measures for the energy transition; ii) Promoting energy and environmental sustainability; Promoting carbon neutrality in all sectors of activity; iii) Developing projects that encourage the circular economy; iv) Promoting sustainable local development; v) incorporating renewable energy sources into energy consumption; vi) Strategic planning in all areas of activity; among others	-	Energy efficiency and environment projects; Dissemination and awareness-raising activities
Citizens	Social NGO	Núcleo Distrital de Portalegre da EAPN Portugal (District Office of the European Anti-Poverty Network)	Bring together a group of social solidarity institutions in the district and jointly develop social intervention strategies with a view to eradicating/mitigating poverty and social exclusion.	Social intervention projects, social responses	Poverty; Social exclusion

Local level

Public sector	Municipality Social Action Division	Município de Gavião (Gavião Municipality)	Adoption of strategic management based on planning, programming, coordination and evaluation and on the principles of efficiency and effectiveness, aiming the continuous improvement and the quality of the services provided. The aim is to strengthen the sustainable development and social and territorial cohesion of the municipality, in order to improve the quality of life of its inhabitants.	-	Citizens, social, energy efficiency, housing and replicability
	Municipality-energy policies			-	
	Municipality Urban Planning Division			-	
	Municipality Urban Planning Division	Município de Ponte de Sor (Ponte de Sor Municipality)	Adoption of strategic management based on planning, programming, coordination and evaluation and on the principles of efficiency and effectiveness, aiming the continuous improvement and the quality of the services	-	Citizens, social, energy efficiency, housing and replicability

	Municipality-energy policies		provided. The aim is to strengthen the sustainable development and social and territorial cohesion of the municipality, in order to improve the quality of life of its inhabitants.	-	
	Municipality Urban Planning Division			-	
	Social services	CLAS Ponte de Sor - Conselho Local de Ação Social de Ponte de Sor (Ponte de Sor Local Social Action Council)	SALC are set up with the aim of integrated planning and guaranteeing the implementation of local social development initiatives, with a view to greater efficiency and rationalisation of means in the eradication of poverty and social exclusion.	-	Social and citizens
	Social services	Centro SS Portalegre - Centro Distrital da Segurança Social de Portalegre (Portalegre District Center of the Social Security Institute)	Guaranteeing the protection and social inclusion of people, recognising their rights, ensuring compliance with contributory obligations and promoting solidarity.	-	Social and citizens
	Social services	CLAS Gavião - Conselho Local de Ação Social de Gavião (Gavião Local Social Action Council)	SALC are set up with the aim of integrated planning and guaranteeing the implementation of local social development initiatives, with a view to greater efficiency and rationalisation of means in the eradication of poverty and social exclusion.	-	Social and citizens
	Parish council	União de Freguesias de Gavião e Atalaia (Parish Union of Gavião and Atalaia)	Offering a wide range of services to the population of the parish (residents and in general) within the scope of its competences, namely administrative, social, educational, cultural and sporting, as well as business support.	-	Community
	Parish council	Junta de Freguesia da Comenda (Comenda Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	Parish council	Junta de Freguesia da Margem (Margem Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	Parish council	Junta de Freguesia de Belver (Belver Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community

	Parish council	União de Freguesias de Ponte de Sor, Tramaga e Vale de Açor (Union of Parishes of Ponte de Sor, Tramaga and Vale de Açor)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	Parish council	Junta de Freguesia de Montargil (Montargil Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	Parish council	Junta de Freguesia de Galveias (Galveias Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	Parish council	Junta de Freguesia de Foros de Arrão (Foros de Arrão Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	Parish council	Junta de Freguesia de Longomel (Longomel Parish Council)	Oversee local budgets, property management, and development plans, maintain public facilities and infrastructure, and support community initiatives in social, cultural, and recreational areas.	-	Community
	National Republican Guard	GNR Ponte de Sor - Guarda Nacional Republicana Posto Territorial de Ponte de Sor (National Republican Guard Ponte de Sor Territorial Post)	The mission of the National Guard, within the framework of national security and protection systems, is to ensure democratic legality, guarantee internal security and citizens' rights, and collaborate in the implementation of national defence policy.	-	Security and community
	National Republican Guard	GNR Gavião - Guarda Nacional Republicana Posto Territorial de Gavião (National Republican Guard Ponte de Sor Territorial Post)	The mission of the National Guard, within the framework of national security and protection systems, is to ensure democratic legality, guarantee internal security and citizens' rights, and collaborate in the implementation of national defence policy.	-	Security and community
	Municipality	Município de Alter do Chão (Alter do Chão Municipality)	Adoption of strategic management based on planning, programming, coordination and evaluation and on the principles of efficiency and effectiveness, aiming the continuous improvement and the quality of the services provided. The aim is to strengthen the	-	Citizens, social, energy efficiency, housing and replicability

		sustainable development and social and territorial cohesion of the municipality, in order to improve the quality of life of its inhabitants.		
Municipality	Município de Arronches (Arronches Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Avis (Avis Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Campo Maior (Campo Maior Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Castelo de Vide (Castelo de Vide Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Crato (Crato Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Elvas (Elvas Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Fronteira (Fronteira Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Marvão (Marvão Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Monforte (Monforte Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Nisa (Nisa Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Portalegre (Portalegre Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Municipality	Município de Sousel (Sousel Municipality)	Manage local planning, public services, and community welfare, ensuring accessible infrastructure, education, and healthcare.	-	Citizens, social, energy efficiency, housing and replicability
Employment services	IEFP Ponte de Sor - Instituto do Emprego e Formação Profissional de Ponte de Sor (Ponte de	Its mission is to promote the creation and quality of employment and combat unemployment by implementing active	-	Employment and citizens

		Sor Employment and Vocational Training Institute)	employment policies, namely vocational training.		
	Social services	CPCJ Gavião - Comissão de Proteção de Crianças e Jovens de Gavião (Commission for the Protection of Children and Young People in Gavião)	It intervenes in an interdisciplinary and inter-institutional way and is made up of representatives of services and organisations that work at municipal level and have responsibility for children and young people.	-	Children and young people, social sector.
	Social services	CPCJ Ponte de Sor - Comissão de Proteção de Crianças e Jovens de Ponte de Sor (Commission for the Protection of Children and Young People in Ponte de Sor)	It intervenes in an interdisciplinary and inter-institutional way and is made up of representatives of services and organisations that work at municipal level and have responsibility for children and young people.	-	Children and young people, social sector.
Academia	Education Institution	USePS - Universidade Sénior de Ponte de Sor (Ponte de Sor Senior University)	USePS offers the following services: classes and workshops of several subject areas; trips and other cultural activities; workshops, seminars and courses; activities that aim at promoting senior mobility; exchange programmes / activities, including intergenerational ones; information about available services for senior citizens.	-	Education, social, citizens, environment, replicability
	Education Institution	Universidade Sénior de Gavião (Gavião Senior University)	It is a socio-educational and cultural project promoted by Gavião Town Council, which aims to create and regularly organise social, cultural, educational and social activities, in a context of lifelong learning, contributing to the resolution of problems of isolation, loneliness and poor quality of life. Gavião Town Council, as the managing and promoting body, has its headquarters at Gavião Town Hall, in Largo do Municipio, Gavião.	-	Education, social, citizens, environment, replicability

Private sector/industry	Local association	Leadersor - Associação para o Desenvolvimento Rural Integrado do Sor (Association for the Integrated Rural Development of Sor)	Their objective is the integrated rural development of the municipalities in its area of intervention	-	Rural environment and development
	Local association	UADR – União das Associações de Desenvolvimento Rural (Union of Rural Development Associations)	Uniting the region's Rural Development Associations	-	Rural environment and development
	Local association	Arquivo Digital e Imaterial da Comenda (Comenda Digital and Intangible Archive)	A non-profit philanthropic initiative, committed since 2016 to the sustainable multi-factorial development of ultra-peripheral rural communities of very low density, namely based on the territories of the municipality of Gavião as a case study. Since 2022, they have been creating a Renewable Energy Community, as a key element in promoting greater social cohesion and combating local energy poverty. This pilot project will be submitted for licensing at the beginning of 2024 and already has 50 local participants (1/4 of the homes in the parish of Comenda covered).	Co-operation in projects such as ENTRACK, being fully available to contribute and exchange complementary experiences.	Renewable Energy Community; Social Cohesion; Energy Poverty; Culture
	Local association	ACIPS - Associação Comercial e Industrial de Ponte de Sor (Ponte de Sor Commercial and Industrial Association)	To promote the development of the economic activities of the Municipality of Ponte de Sor in the technical, economic, commercial, industrial and associative fields, and in particular the defence and representation of the interests of its members, ensuring that they are increasingly involved in the decisions and programmes that relate to these activities	-	Industry and commerce
Citizens	Social services	Cáritas Diocesana de Portalegre - Castelo Branco (Portalegre - Castelo Branco Diocesan Caritas)	It aims to minimise the problems, inequalities and social injustices faced by the most vulnerable people in situations of poverty and social exclusion.	-	Social
	Education Institution	Agrupamento de Escolas de Ponte de Sor (Ponte de Sor School Cluster)	The mission of the School Groups is determined by the right to education, which is expressed by the guarantee of a permanent formative action aimed at favouring the global development of the	-	Education, social, citizens, environment, replicability

		personality, social progress and the democratisation of society through a constant and up-to-date quality educational/training service.		
Education Institution	Agrupamento de Escolas de Gavião (Gavião Vertical School Cluster)	Guarantee of a permanent formative action aimed at favouring the global development of the personality, social progress and the democratisation of society through a constant and up-to-date quality educational/training service.	-	Education, social, citizens, environment, replicability
Consumer association (regional office)	DECO Alentejo - Associação Portuguesa para a Defesa do Consumidor	DECO's mission is to defend the rights and legitimate interests of consumers, to ensure that they are respected and to help resolve their problems as consumers.	-	Citizens, Community and social
Youth association	Geração Inovar - Associação de Jovens de Ponte de Sor (Ponte de Sor Youth Association)	Promoting the active participation and involvement of young people in the defence of environmental issues, democracy, social inclusion and youth entrepreneurship	-	Citizens
Youth association	Haja Gavião - Associação de Jovens de Gavião (Gavião Youth Association)	Youth Association	-	Citizens
Youth association	G'uventude - Associação de Jovens de Galveias (Galveias Youth Association)	Youth Association	-	Citizens
Local association	ADAS - Associação para o Desenvolvimento e Ação Social da Freguesia de Tramaga (Association for the Development and Social Action of the Parish of Tramaga)	To promote the psychological and physical well-being of the inhabitants of the Council Parish, treating them with the dignity they deserve and with particular respect for each one of them.	-	Social
Firefighters' Association	Associação Humanitária dos Bombeiros Voluntários de Gavião (Humanitarian Association of Volunteer Firefighters of Gavião)	Patient rescue and transport, including pre-hospital emergency; Prevention and safety against fire risks and other accidents; Training and awareness-raising activities, with a particular focus on preventing the risk of fire and accidents among the population.	-	Health, citizens and social
Firefighters' Association	Associação Humanitária dos Bombeiros Voluntários de Ponte de Sor (Humanitarian Association	Protection of people and property, namely the rescue of the injured and sick, including pre-hospital emergency within the scope of the integrated medical emergency system, rescue of the shipwrecked and extinguishing	-	Health, citizens and social

		of Volunteer Firefighters of Ponte de Sor)	fires, partnering with national and local organisations associated with civil protection, among others.		
	Municipal Service of Civil Protection	Serviço Municipal de Protecção Civil do Gavião (Gavião Municipal Civil Protection Service)	Preventing the occurrence of collective risks resulting from serious accidents, disasters or calamities; Mitigating collective risks and limiting their effects; Rescuing and assisting people in danger.	-	Security and community
	Municipal Service of Civil Protection	Serviço Municipal de Protecção Civil de Ponte de Sor (Ponte de Sor Municipal Civil Protection Service)	Responsible for assessing and preventing local risks, analyzing vulnerabilities, and educating residents on self-protection and emergency collaboration.	-	Security and community
	Social services	Cruz Vermelha Portuguesa - Ponte de Sor (Portuguese Red Cross - Ponte de Sor)	The mission of the Portuguese Red Cross is to provide humanitarian and social assistance, especially to the most vulnerable, preventing and repairing suffering and contributing to the defence of life, health and human dignity.	-	Health and social
	Social services	Santa Casa da Misericórdia de Gavião (Holy House of Mercy of Gavião)	To offer its clients, beneficiaries and Brothers integrated and innovative solutions in the provision of humanised services, guided by excellence and high levels of quality and professional ethics, ensuring the improvement of the conditions and quality of life of the community in general, and in particular the most disadvantaged. Preserving and disseminating its material and immaterial cultural heritage, promoting initiatives and partnerships to support the social economy.	-	Social
	Social services	Santa Casa da Misericórdia de Ponte de Sor (Holy House of Mercy of Ponte de Sor)	Helping all those in need, in the light of Christian morality. It carries out its activities through centres dedicated to health, the elderly and children, as well as other areas of social support.	-	Social
	Social services	Santa Casa da Misericórdia de Montargil (Holy House of Mercy of Montargil)	Helping all those in need, in the light of Christian morality. It carries out its activities through centres dedicated to health, the elderly and children, as well as other areas of social support.	-	Social
	Youth association	Corpo Nacional de Escutas de Ponte de Sor (National	The Mission of Scouting is to contribute to the education of young people through a system of values based on the Scout	-	Citizens and the environment

		Scout Corps of Ponte de Sor)	Promise and Law, helping to build a better world where people are fulfilled as individuals and play a constructive role in society.		
	Social services	Centro Social da Margem (Margem Social Center)	To promote the psychological and physical well-being of its residents, treating them with the dignity they deserve and with particular respect for each one of them.	-	Social
	Social services	Centro Social Belverense (Belverense Social Center)	Social Center	-	Social
	Social services	Centro Comunitário Vale do Arco (Vale do Arco Community Center)	Community Center	-	Social
	Social services	Centro Comunitário de Longomel (Longomel Community Center)	Community Center	-	Social
	Social services	Centro Comunitário da Tramaga (Tramaga Community Center)	Community Center	-	Social
	Social services	Centro Comunitário da Ervideira (Ervideira Community Center)	Community Center	-	Social
	Social services	CRIPS - Centro de Recuperação Infantil de Ponte de Sor (Children's Recovery Center of Ponte de Sor)	"Intervene for equality, building futures". It is aimed at people with disabilities who have specific needs of a prolonged and permanent nature, with the main objective of training personal, social and professional skills. It intervenes at an educational, training and rehabilitative level, focusing on individuality and functionality to encourage adaptability and maximise potential from a community integration perspective.	-	Social
	Social services	Casa dos Avós (Grandparents' House)	Retirement home for elderly people	-	Social
	Health Services	Centro de Saúde de Gavião (Gavião Health Centre)	Promoting the health and prevention of illness of users, as well as the management of acute and chronic health problems, taking into account their physical, psychological, social and cultural dimensions, through a person-centred approach, oriented towards the individual, their family and the community in which they live.	-	Health

	Health Services	Centro de Saúde de Ponte de Sor (Ponte de Sor Health Centre)	Health Centre	-	Health
	Health Services	Centro de Saúde de Montargil (Montargil Health Centre)	Health Centre	-	Health
	Social services	Banco Alimentar contra a Fome de Portalegre (Portalegre Food Bank Against Hunger)	Fighting against waste by recovering surplus food to take to those in need, mobilising people and companies to join this cause on a voluntary basis	-	Social

Table A.2 - Spanish stakeholder identification, description, and analysis.

Stakeholder identification and description			Stakeholder analysis		
Quadruple helix groups	**Typology**	**Institution**	**Roles**	**Interests**	**Current action**
National level					
Public sector	National government	Ministry of Social Rights, Consumer Affairs and Agenda 2030 (DSCA)	The Ministry of Social Rights, Consumer Affairs, and Agenda 2030 implements government policies on social rights and social welfare and promotes and coordinates the implementation of Agenda 2030 and the fulfilment of the Sustainable Development Goals in Spain.	Social Rights, Consumer Affairs and Agenda 2030	Ensure the strengthening and constant improvement of the social pillar in Spain, translated into effective social rights for citizens. Ensure the implementation of the 2030 Agenda.
	National government	Ministry of Transport and Sustainable Mobility (MITMA)	The Ministry of Transport and Sustainable Mobility is responsible for proposing and executing the Government's policies on infrastructures, state land transport, air and maritime transport, in order to guarantee fair and sustainable mobility.	Transport and Sustainable Mobility	Proposing and executing the Government's policies on infrastructures, state land transport, air and maritime transport, in order to guarantee fair and sustainable mobility
	National government	Ministry of Housing and the Urban Agenda (MIVAU)	The Ministry of Housing and the Urban Agenda carries out actions in areas such as access to housing or the articulation of aid. In addition to this, it is also important to promote urban rehabilitation, regeneration and renovation.	Dwellings (in terms of access and energy renovation)	Dwellings, Urban Agenda, building and soil quality
	National government	Ministry for Energy Transition and Demographic Challenge (MITECO)	This ministry develops the basic organic structure for Ecological Transition and the Demographic Challenge.	Climate change, pollution prevention, protection of natural heritage, biodiversity, forests, the sea, water and energy for the transition to a more ecological production and social model	The drafting of state legislation, development of strategies and government policy in the area of Ecological Transition and the Demographic Challenge.

National government	Institute for Energy Diversification and Savings (IDAE)	The Institute for Energy Diversification and Saving (IDAE) is an organization attached to the Ministry for Ecological Transition and the Demographic Challenge, through the State Secretariat for Energy, from which it is organically dependent. Contributing to achieving the objectives that our country has acquired in terms of improving energy efficiency, renewable energies, and other low-carbon technologies constitutes the strategic framework of its activity. In this regard, IDAE carries out dissemination and training actions, technical advice, development of specific programs, and financing of projects for technological innovation and replicable character. This includes information to municipalities and managing potential financing accessible by this municipalities. Likewise, the Institute leads an intense international activity within the framework of various European programs and cooperation with third countries.	Promote the energy transition in Spain	Manage the economic support given to implement the changes towards renewable energies in different sectors (public or private), coordinate the Communitary Transition Office (OTC)...
Social NGO	Spanish Association Against Depopulation (AECD)	The Spanish Association Against Depopulation (AECD) is the only nationally registered entity with full legal capacity and the power to act throughout the Spanish territory, in the defence of the interests of municipalities and their inhabitants. It represents the citizens living in rural areas, other associations, entities and platforms, whose objective is territorial development in all its aspects.	Rural development	Contribution to the economic, social and cultural development of rural areas, always with a integral and sustainable view
Social NGO	Spanish Rural Development Network (REDR)	The Spanish Network for Rural Development (REDR) is a non-profit association whose main mission is to promote an integral and sustainable rural development model, to improve the quality of life of the rural population and to	Rural development	Advocacy work, representing its members in different decision-making and reflection bodies before the different governments and administrations: Community, State and Regional.

				value the importance of rural territories for society as a whole.	
	Social NGO	The Spanish Federation of Municipalities and Provinces (FEMP)	The Spanish Federation of Municipalities and Provinces (FEMP) is the Association of Local Entities at the national level with the largest implantation, which brings together City Councils, Provincial Councils, Councils and Island Councils, in total 7,410, representing more than 95% of Spanish Local Governments.	Local development	Promotion and defence of the autonomy of Local Bodies; the representation and defence of the general interests of Local Bodies before other Public Administrations; the development and consolidation of the European spirit in the local sphere, based on autonomy and solidarity among Local Bodies; the promotion and encouragement of friendly relations and cooperation with Local Bodies and their organisations, especially in the European, Latin American and Arab spheres; the provision, directly or through companies or entities, of all kinds of services to Local Bodies or their dependent entities, and any other purpose that directly or indirectly affects the Federation's members.
	Hub of ecological transition experts	Transition Network (REDT)	Red de Transición (RedT) is a non-profit association that is part of the international Transition Network, also known as Transition Towns. It is also part of ECOLISE, the European Network of Community Initiatives on Sustainability and Climate Change.	Transition is a movement of communities coming together to reinvent and rebuild our societies. It has been growing exponentially since its inception in 2005. They are initiatives and communities stepping forward to address the major challenges they face by starting locally and seeking collective solutions that make	Awareness raising and education for eco-social transition. Training in Transition, resilience, community responses to climate change, and related areas. Consultancy and design of Transition and community resilience projects. Training and events on inner Transition and sustainable activism. Networking and connection between local initiatives, the

				them more resilient. They seek to foster a culture of solidarity, focused on supporting each other.	international Transition movement and other related networks and projects.
	Hub of ecological transition projects	Red Ibérica de Ecoaldeas (RIE)	Promote the development of sustainable settlements (humanly, ecologically, economically).	Disseminate information on the Ecovillage concept and create and use demonstration spaces.	Regularly organise meetings, volunteering weeks, retreats, seminars, among others.
	Energy Agencies Association	Association of Spanish energy management agencies (EnerAgen)	EnerAgen allows its members to take advantage of synergies and resources and contributes to the exchange of information and best practices among them. It is also a great debate forum for local and regional organisations specialized in energy and the voice representing their interests both at national and European level.	Energy transition	Boost local and regional development, acting as key stakeholders of policies and technical solutions between the authorities and other agents of the energy sector.
Academia	Higher Education Institution	University of Granada Regional Development Research Institute	The institute has cooperated and done research around energy communities, gender and energy poverty in rural Granada region	-	-
	Higher Education Institution	University of la Coruña (UDC)	The University of A Coruña (UDC) and the company Greenalia are promoting the launch of the Energy Transition Chair. An initiative through which both organisations seek to promote research, dissemination and knowledge transfer on the impact of climate change, the decarbonisation process and the energy transition.	-	-
	Higher Education Institution	University Pontificia Comillas (ICADE)	They investigate the reduction of the carbon footprint in selected industrial sectors through the introduction of technological measures, assessing the technical and economic feasibility of these measures, analysing the legal and regulatory aspects involved and estimating the social impact caused, without forgetting the possible ethical component.	-	-

	Higher Education Institution	Energy Division of the Technological Institute of Galicia (ITG)	ITG is a Technology Centre of reference for developing energy-positive communities with hybrid storage and renewable generation systems in Galicia.	-	-
Private sector/industry	Hub that connects all people and entities related to the rural environment and agricultural activity (including LAGs)	Common Agricultural Policy (RED PAC) Network	The PAC Network is established as the meeting point that connects all individuals and entities related to rural areas and agricultural activity, with the aim of, among other things, disseminating and ensuring compliance with the objectives of the Common Agricultural Policy Strategic Plan.	-	-
	Research center	CIDE Rural Decarbonization Observatory	It's an association of small electricity distribution companies that collects and analyses data systematically and permanently to generate relevant information on this energy challenge in rural areas	-	-
	Environmental association	APPA - Association of Renewable Energy Companies	One of APPA 's main objectives is to defend the interests of the sector, to provide specific information on a constant basis on renewable energies and to provide legal advice and criteria for action to its members.	-	-
	Environmental association	Spanish Wind Energy Association (AEE)	AEE is the voice of the wind energy sector in Spain with the aim of promoting the growth of this sustainable, strategic and beneficial technology.	-	-
	National Association	(ANESE) Association of Energy Services Companies	ANESE's goals reflect the association's commitment to promoting energy efficiency and promoting decarbonization and sustainability in Spain. We work to achieve specific goals that bring us closer to a responsible and sustainable energy future.	-	-
	National Association	(A3E) Association of Energy Efficiency Companies	A3E's main objective is to promote the implementation of energy saving and efficiency measures in the business fabric, institutions and society in general, thus helping them to improve their sustainability.	-	-

	National Association	Association of Heating and Cooling Network Companies (ADHAC)	Business or professional activities related to the promotion, organisation, planning, execution, adaptation, correction, development, construction, construction, exploitation, operation, conservation and maintenance of heating and cooling networks.	-	-
	National Association	Business Association for the Development and Promotion of the Electric Vehicle (AEDIVE)	They bring together the entire industrial, technological, service and institutional value chain, services and institutional of Electric Mobility	-	-
	National Association	Spanish Biomass Association (AVEBIOM)	To expand the sustainable use of biomass in Spain	-	-
Citizens	Social NGO	Andalusian Network of the Fight against Poverty and Social Exclusion	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	Network of Social Entities for inclusion in Aragón	This organisation is responsible for articulating the representation and dialogue between member organisations and the public administration, promoting and working to improve social policies and fostering socio-political debate, presenting alternatives with the aim of improving the situation of disadvantaged people.	-	-
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in the Canary Islands	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	European Network of the Fight against Poverty in Castilla-La Mancha	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in Castilla y León	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	Network for Social Inclusion of the Valencian Community	This organisation is responsible for articulating the representation and dialogue between member organisations and the public administration, promoting and working to improve social policies and fostering socio-political debate, presenting	-	-

			alternatives with the aim of improving the situation of disadvantaged people.		
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in the Basque Country	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	Extremadura Network for the Fight against Poverty and Social Exclusion (EAPN-Extremadura)	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in the Spanish State of the Autonomous Community of Galicia	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	EAPN-Balearic Islands. Balearic Network for Social Inclusion	This organisation is responsible for articulating the representation and dialogue between member organisations and the public administration, promoting and working to improve social policies and fostering socio-political debate, presenting alternatives with the aim of improving the situation of disadvantaged people.	-	-
	Social NGO	Madrileña Network for Fight against Poverty and Social Exclusion	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	Network of the Fight against Poverty and Social Exclusion of the Region of Murcia	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	Navarra Network for the Fight against Poverty and Social Exclusion	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in Ceuta	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in Melilla	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-

	Social NGO	European Network for the Fight against Poverty and Social Exclusion in Cantabria	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Social NGO	European Network for the Fight against Poverty and Social Exclusion in La Rioja	Organization that wants to eradicate poverty and social exclusion, promoting changes in public policies and also defending people rights and duties	-	-
	Environmental NGO	Spanish Society of Ornithology (SEO) Birdlife	Spanish NGO that aims to protect biodiversity (specially birds) with the society participation	Biodiversity	Publication of research, environmental education and landscape protection
	Environmental NGO	Greenpeace	International NGO that fights to protect our territory	Environmental preservation	Different actions to promote a better world and preservation of the environment
	Environmental NGO	Ecology and Development Foundation (ECODES)	Director of "energy and people area"	Social aspects of the energy transition	Support municipalities in energy planning focusing on social matters
	Environmental NGO	Environmentalists in Action	Alliance of ecological groups spread around Spain with a shared philosophy and common actions	Promote local production and consumption	Awareness campaigns, public reports, protect natural spaces, promote policies to reduce greenhouse gases, sustainable mobility...
	Environmental NGO	World Wide Fund for Nature (WWF)	Works to sustain the natural world for the benefit of people and wildlife, collaborating with partners from local to global levels in nearly 100 countries.	-	Develop different actions that involves the protection of different species, protests against climate change, sustainable management of resources, educate population...
	Environmental NGO	Friends of the Earth	Ecological NGO that promote local and global change towards an environmental respectful society, fair and solidary	-	They work on different aspects in order to achieve their objective (climate justice, natural resources, food sovereignty, cooperation, promoting energy communities...)

	Socio Environmental NGO	Energy and Territory Alliance (ALIENTE)	State collective that promotes a fair energy transition, based on distributed renewable generation, energy savings and self-consumption, a transition that puts the protection of the territory and its biodiversity at the centre.	-	Promote different actions in order to promote citizen empowerment in energy sector, protests against macro energy projects...
Regional level					
Public sector	Public Administration	Barcelona Council Office – coordinator of Climate Change Office	Coordinator of the Provincial support to Sant Quirze. Provides some financing and training. Monitors SECAPs implementation.	Municipalities engagement	Provides some financing and training. Monitors SECAPs implementation.
	Public Administration	Barcelona Council Office – technician of the Climate Change Office	In charge of the SECAPs in the region of St Quirze. Monitors SECAPs implementation.	Municipalities engagement	Provides some financing and training. Monitors SECAPs implementation.
	Public Administration	Girona Council Office – coordinator of the Climate and Energy Area	Coordinator of the Provincial support to Gombrèn. Provides some financing and training. Monitors SECAPs implementation.	Municipalities engagement	Provides some financing and training. Monitors SECAPs implementation.
	Public Administration	Girona Council Office – local technician in Ripollès area	In charge of the SECAP under "Alt Ter landscape unit", encompassing Gombrèn. Monitors SECAPs implementation.	Would like to improve the coordination between all the agents involved in energy transition, focusing on achieving citizen participation in the energy system	Promote energy transition in all Ripollès municipalities
	Public Administration	Generalitat of Catalunya - Department of climate action	Main areas: agriculture, rural development, livestock, food, nautical, diving, fishing, aquaculture, forests, environmental management, innovation, training. They develop and implement policies in order to mitigate the climate change and promote sustainability	-	Promote clean energies, biodiversity conservations and climate change adaptation through plans and projects involving different sectors

Public Administration	Generalitat of Catalunya - Department of social rights	Office for Comprehensive Support in Addressing Energy Poverty. It will manage the Solidarity Assistance Fund will channel aid for the payment of basic water, gas, and electricity supplies for households in situations of economic vulnerability. Also, a centralized procedure will be implemented to receive and process lists of non-payments, and assistance applications for the payment of basic supplies will be resolved.	-	Implement actions to improve the attention to vulnerable people, promote gender equality, and develop housind and social services policies
Public Administration	Catalan Energy Institute (ICAEN) - Energy efficiency	Energy planning	Achieve the decarbonisation of Catalonia in a near future	Collaborate with municipalities to develop PAESC, energy consumption studies, energy statistics, coordinate OCTE to promote energy transition in all regions...
Public Administration	ICAEN - support to municipalities	The ICAEN also engages and works collaboratively with the local community in the development of actions for energy efficiency in municipal buildings, public lighting, and efficient mobility. It collaborates with local administrations in the development and implementation of their Sustainable Energy Action Plans within the framework of the Covenant of Mayors.	It provides funding and support, but does not directly intervene into the design	Collaborate with municipalities to develop PAESC, energy consumption studies, energy statistics, coordinate OCTE to promote energy transition in all regions...
Public Administration	Council of Lleida	Public entity that handle and coordinates services and resources for the municipalities within the council area	Promote local development and social cohesion	Support on education, culture, tourism and sustainability (promote and support the development of energy communities and help local institutions to change to clean energies)
Public Administration	Council of Girona	Public entity that handle and coordinates services and resources for the municipalities within the council area	Promote local development and social cohesion	Support on education, culture, tourism and sustainability (promote and support the development of energy communities and help local institutions to change to clean energies)
Cooperative	Osona Energy Cooperative (OECOOP)	Technician in the second-degree cooperative	Coordinate all the entities in territory to promote a fair and	Promote and support energy communities on its development

			sustainable energy transition	
Local Action Group (LAG)	LEADER Association -Ripollés Ges Bisaura (technician of the ENFOCC project)	Lead the project ENFOCC which includes energy transition, forests and climate change	Would like to improve the coordination between all the agents involved in energy	Develop actions for and from the territory
Local Action Group (LAG)	LEADER Association -Ripollés Ges Bisaura (technician of EcoAdapt50 project)	Promotes actions to help the territory find ways to adapt to the climate change	Cooperation of all the actors to achieve better and faster results	Select the actions proposed to develop related to climate change adaptation and also promote them around the territory
Local Action Group (LAG)	Association of Rural and Maritime Initiatives of Catalonia (ARCA) - OTC technician	Advise, revitalise and promote the creation of energy communities in the rural areas of Catalonia	Would like to see more coordination of the different entities involved on energy transition	Promote the creation of energy communities in all the Catalan rural areas
Local Action Group (LAG)	Association of Rural and Maritime Initiatives of Catalonia (ARCA) - Life EcoAdapt technician	Promotes actions to help the territory find ways to adapt to the climate change	Cooperation of all the actors to achieve better and faster results	Select the actions proposed to develop related to climate change adaptation and also promote them around the territory
Local Action Group (LAG)	Local Action Groups (LAG) from elsewhere	To promote the economic development in the rural areas	Energy Transition	Manage different projects and finances in order to promote energy transition in rural areas, finding ways to adapt to the climate change, promote local products...
Social NGO	Federation of Municipalities of Catalonia	To defend and promote the local autonomy	-	There's a specific area that promotes energy transition
Social NGO	Association of municipalities for mobility and urban transport (AMTU)	Work on the improvement of mobility and public transport infrastructures all over Catalonia	-	Provide different services to citizens (transport on demand, flexible transport...) and to local entities (legal and technical advice, economic finances...)
Environmental NGO	Network of towns and cities towards sustainability	Association of local entities committed to the environment and to move forward a sustainable development	-	They carry on multiple activities in which we stand out energy efficiency and energy transition
Environmental NGO	Association of Micro-towns of Catalonia	the association acts as a mediator and meeting point for municipalities with less than 500 inhabitants.	Involving rural municipalities in the energy transition	Collaborate in different rural development projects

	Local Energy Agencies	Council Offices of Energy Transition (OCTE)	Technicians hired by ICAEN to work on the implementation of renewal energies in the territory	Seek for more cooperation between entities (municipalities and government), establish a clean and fair energy transition	Promote energy communities, the implementation of clean energies in territory, support municipalities in the execution of clean energy projects...
	Regional association	Association of Local Entities of Forest Owners in Catalonia (ELFOCAT)	Gather all the Catalan municipalities with forest ownership in order to improve its exploitation, involve local governments in its management, promote activities other than exploitation in the forests	-	-
Academia	Research center	Energy Research Institute of Catalonia (IREC)	Great focus on energy communities and has contributed with Micro-towns association in developing a tool "som communitat energètica"	Achieve the technological excellence to promote energy transition	-
	Higher Education Institution	Open University of Catalonia (UOC) new ruralities	UOC has a dedicated field on rural perspective, although we have seen very little research on energy transition, it could have value (so far, a lot of work with digitalisation, work, attracting talent)	-	-
	Think Tank	Collective for a new sustainable energy and social model (CMES)	Produce and reveal information in order to change from fossil fuels and uranium to clean energies.	Think tank in the energy transition	Publish books, articles... that enlights the change that we need, advise institutions and companies on how to pass to clean energies, perform speeches in different places to spread the word...

Private sector/industry	Hub of Energy Comunities	Som Comunitas	Promote Energy Communities and provide tools to accomplish a transformative energy transition	Accomplish the creation of energy communities that take vulnerable people into account	Provide different services to energy communities developed or yet to develop in order to assure their success
	Catalan Federation	Catalan Federation of Associations of Forest Owners (Boscat)	Gather different associations in order to develop a better forest management	-	Promote the use of biomass, manage finances to reduce the carbon footprint of the companies, support the members of the entity...
	Catalan Consortium	Forestry Consortium of Catalonia	Private association that promotes the biomass management in private forests	-	Support the members in the sustainable management of their property, develop projects to protect indigenous biodiversity, promotes the use of biomass...
Citizens	Social NGO	Network for energy sovereignty	They do research, reports and publications, and have an impact at the local, regional and national levels.	They work to move towards a new distributed, renewable, democratic, fair and eco-feminist energy model	
	Social NGO	Association of municipalities and entities for public energy	spread and promote ownership and public management of electricity distribution networks	The entity believes that councils must lead the energy transition by stimulating the production of renewable energy	To support municipalities that want to move towards this goal, in addition to developing actions to promote an energy transition towards a fair, democratic and sustainable model
	Social/energy NGO	Alliance against energy poverty (APE)	Social movement to defend the universal access to water and energy	-	Collective advise, mobilisations, actions, pressure on social media, publications and presence in media in order to report these injustices
	Social NGO	Table of Entities of the Third Social Sector of Catalonia	They promote activities and actions to assure a society where all citizens have the same rights and opportunities.	-	Support different entities, participate in debates, campaigns to promote this idea...

Local level					
Public sector	Public Administration	Gombren City Hall	Part of city hall decision making	Municipal issues might take over longer term planning. Municipality quite interested in some actions for energy transition (mobility, community energy, prosumerism), but not clear the benefit of project (vs financing or technical assistance initiatives)	Developed PAESC, trying to implement it
	Public Administration	Sant Quirze de Besora City Hall	Part of city hall decision making.	Municipal issues might take over longer term planning. Municipality quite interested in some actions for energy transition (mobility, community energy, prosumerism), but not clear the benefit of project (vs financing or technical assistance initiatives)	Developed PAESC, trying to implement it
	County council	Ripollès-Regional Council – Environmental Area	Specific area of the County Council that promotes energy transition in Ripollès from a public way. Also bring forward planning and implementation of mitigation and adaptation to climate change in Ripollès	Would like to see more coordination of supramunicipal actions from the municipalities; focus now on municipal actions.	Coordinate and manage the actions that will take place in the Ripollès area related to environment management. Development of PLATER, promote public photovoltaic installations around the territory, promote energy rehabilitation in buildings
	County council	Ripollès-Ripollès Development Agency – Energy Transition Area	Plan and develop energy transition measures in Ripollès	Would like to see more coordination of supramunicipal actions from the municipalities; focus now on municipal actions.	Management of energy consumption in the local municipalities

County council	Ripollès-Ripollès Development Agency – Local Product Area	Advise, revitalise and promote the agri-food local market	Forseek a collective participation between the farmers in order to create a local brand famous around the Catalan territory	Keep in touch with the farms to promote their product, deliver of local product in different events, manage the food eaten at schools...
County council	Ripollès-County Council	Coordinate the resources of the municipalities in Ripollès region, promoting social, economic and cultural development.	Would like to see more coordination of supramunicipal actions from the municipalities; focus now on municipal actions	Coordinate and manage the actions that will take place in the Ripollès area in different aspects
County council	Ripollès- Consortium of Areas of Natural Interest in Ripollès (CEINR)	Forestry management used for biomass	Achieve a good regulation of the natural environment in order to preserve the space	Regulate the public forestal areas as well as the natural spaces
County council	Osona-County council	Coordinate the resources of the municipalities in Osona region, promoting social, economic and cultural development	Would like to see more coordination of supramunicipal actions from the municipalities; focus now on municipal actions.	Coordinate and manage the actions that will take place in the Osona area in different aspects
County council	Osona-County Council-Energy transition Office	Plan and develop energy transition measures in Osona	Would like to see more coordination of supramunicipal actions from the municipalities; focus now on municipal actions.	Promote energy communities in all the territory as well as an energy transition based in clean energies
County council	Osona-County Council - Local energy agency of Osona (ALEO)	Plan and develop energy generation and management actions, with RES	Would like to see more coordination of supramunicipal actions from the municipalities; focus now on municipal actions.	Try to dynamize energy communities in Osona, promote actions for sustainable energy transition...
County council	Supraregional-Vall del Ges, Orís i Bisaura Consortium	Assure that the citizens that lives in the area have their rights granted, preserving the area and developing different projects to benefit them	See a unified area that wants to preserve the environment and promotes the financial aspects of the territory	Promote a change in the current energy model in order to deal with the climate emergency
Public Administration	Ogassa City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the

				new actions promote in a wider way
Public Administration	Orís City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Campdevànol City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Campdelles City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Camprodon City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Gombrèn City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Les Llosses City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Llanars City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way

	Public Administration	Molló City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Montesquiu City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Pardines City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Planoles City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Queralbs City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Ribes de Freser City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Sant Pau de Segúries City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Sant Pere de Torelló City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote

				the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Sant Quirze de Besora City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Sant Vicenç de Torelló City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Santa Maria de Besora City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Setcases City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Sora City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Torelló City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Public Administration	Toses City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the

					new actions promote in a wider way
	Public Administration	Vallfogona del Ripollès City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Vidrà City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Vilallonga de Ter City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
	Public Administration	Ripoll City Hall	Guarantee the good development of town and participate in the town decisions	-	Establishing policies and actions in order to promote the town and assure it doesn't fall behind for the new actions promote in a wider way
Private sector/industry	Cooperative	Athenaeum of Girona region Cooperative	Energy communities promoter	Energy transition	They provide assistance in the legal requirements for energy communities creation
Citizens	Social NGO	Red Cross Ripollès	mostly interested in socioeconomic aspects, works sometimes around topics of energy poverty	-	The Spanish Red Cross is a humanitarian institution, of a voluntary nature and of public interest
	Social NGO	Red Cross Osona	mostly interested in socioeconomic aspects, works sometimes around topics of energy poverty	-	The Spanish Red Cross is a humanitarian institution, of a voluntary nature and of public interest

	Social NGO	Diocesan Caritas of Vic	mostly interested in social aspects, as far as we know less involved in energy poverty than Red Cross	-	action based on welcoming and accompanying vulnerable and excluded people.
	Social NGO	Diocesan Caritas of Ripoll	mostly interested in social aspects, as far as we know less involved in energy poverty than Red Cross	-	action based on welcoming and accompanying vulnerable and excluded people.

Table A.3 - Italian stakeholder identification, description, and analysis.

Stakeholder identification and description			Stakeholder analysis		
Quadruple helix groups	Typology	Institution	Roles	Interests	Current action
National level - Italy					
Public sector	Global network	Cities Climate Leadership Group (C40)	A global network of mayors of the world's leading cities that are united in action to confront the climate crisis.	Same as current action	Raising climate ambition through 1.5°C climate action plan support, high-impact accelerators and fostering innovation. Building equitable and thriving communities via global and regional programmes. Building a global movement through robust international advocacy and diplomacy. Scaling up climate action and sharing best practices across high-impact sectors. Facilitating access to finance for investment in green jobs and projects that improve resilience in cities.
	Network of local authorities	Climate Alliance Italia	Climate Alliance is an association of European Municipalities and Territorial Authorities, which has engaged in a partnership with the Indigenous Peoples of the Rainforests with the common goal of safeguarding the global climate.	Global climate protection	Covenant of Mayors, EU projects, energy poverty, dissemination events
	Public company	Energy Services Manager (GSE)	The GSE is the guarantor and promoter of the sustainable development of the country. It supports citizens, professionals, businesses	Promotion of renewable energy sources and energy efficiency	It supports the electricity production of almost all renewable energy plants in Italy. It encourages interventions for energy efficiency and the production of thermal energy.

		and local authorities to support projects for the development of renewable energy sources and energy efficiency.		It produces studies, research and activities to support Public Administration
Public company	Acquirente Unico	Electricity supplier for protected market customers	Aid for the consumer of energy and the environment	Services for the consumer on energy, consumption and energy/gas offers on the market
National Ministry	Ministry of Environment and Energy Security (MASE)	National Ministry for environmental protection and energy security.	The Ministry plays a key role in the Government's environmental protection activities. The action of the MASE is aimed at safeguarding the territory and the water resource, terrestrial and marine ecosystems, animal and plant species at risk, the reclamation of areas and streams, reducing pollution sources and greenhouse gas emissions in the context of the global warming challenge. The Ministry guarantees the security of infrastructure and energy systems and geomineraries, supply, efficiency and competitiveness , the promotion of renewable energy.	Protection of the environment, preservation of the land and water resource, terrestrial and marine ecosystems, endangered animal and plant species, reduction of sources of pollution and emissions of climate-altering gases. The Ministry ensures the security of energy and geo-mineral infrastructure and systems, supply, efficiency and competitiveness , promotion of renewable energy. It promotes best practices and environmental education, circular economy, sustainable mobility, and urban regeneration. In addition, the Ministry plays a role in guiding and supervising the activities of the Instituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA), the ENEA, the GSE; it exercises supervision over the national natural heritage in the terrestrial and marine spheres (national parks, marine protected areas, basin authorities and regulation of large lakes).
National association of Municipalities, Provinces, Metropolitan Cities and Regions	Sustainable Municipalities Network	The Network of Sustainable Municipalities is the largest national association in Europe of Municipalities, Provinces, Metropolitan Cities and Regions dedicated to sustainable development and territorialisation of the 2030 Agenda Objectives.	Accompany municipalities in achieving the 2030 Agenda Goals	Good practices, reports, monitoring of local policies, promotion of opportunities

	Association of municipalities	National Association of Italian Municipalities (ANCI)	The National Association of Italian Municipalities is a non-profit association, founded in 1901. About 7,134 Italian municipalities belong to the ANCI, representing 94.7% of the population.	Represent and protect the interests of municipalities before Parliament, Government, Regions, Public Administration bodies, Community bodies, Committee of the Regions and any other institution that performs public functions of local interest.	Tenders and opportunities for municipalities
	Government agency	National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)	ENEA is the National Agency for New Technologies, Energy and Sustainable Economic Development, a public-law body dedicated to research, technological innovation and the provision of advanced services to businesses, public administration and citizens in the fields of energy, environment and sustainable economic development	ENEA supports the production system and public authorities (Ministry of Environment and Energy Security and Ministry of Enterprises and Made in Italy in particular) in the transition to the circular economy and resource efficiency.	Covenant of Mayors Italian Coordinator, national projects, services to the consumer and businesses, research and development activities, National Agency for Energy Efficiency forms part of ENEA.
	Government agency	National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)	ENEA is the National Agency for New Technologies, Energy and Sustainable Economic Development, a public-law body dedicated to research, technological innovation and the provision of advanced services to businesses, public administration and citizens in the fields of energy, environment and sustainable economic development	ENEA supports the production system and public authorities (Ministry of Environment and Energy Security and Ministry of Enterprises and Made in Italy in particular) in the transition to the circular economy and resource efficiency.	Covenant of Mayors Italian Coordinator, national projects, services to the consumer and businesses, research and development activities, National Agency for Energy Efficiency forms part of ENEA.

	State owned enterprise	GSE Spa		Public lighting	
	State owned enterprise	Fincantieri	Shipbuilding		
Academia	Alliance between organised citizens and research	Inequalities Diversity Forum	An alliance of active citizens' organizations and researchers aimed at producing and disseminating research, policy proposals and "methods for decision making" which can enhance social and environmental justice, defined as sustainable substantive freedom.	Social and environmental justice	Research and advocacy, reports and policy proposals on social inequalities and inclusivity
	Research network	Italian Observatory on Energy Poverty (OIPE)	Network of researchers from universities, public and private entities and institutions interested in the subject of energy poverty.	Energy poverty	Research, data and good practices on energy poverty
Private sector/industry	National Network of Energy Agencies	National Network of Local Energy Agencies (RENAEL)	RENAEL is the national network that brings together Agencies, local energy authorities and in-house companies created with the aim of accompanying public authorities in energy and environmental security processes.	RENAEL was created with the aim of enhancing and optimizing the expertise of the agencies participating in the network, to offer a possibility of analysis and search for joint solutions at national level. It supports public and private entities in the analysis and dissemination of projects, evaluates and draws up studies aimed at promoting energy security and sustainability. The production of energy from renewable sources, the energy mix of the territories and the implementation of	Energy redevelopment, urban planning, circular economy, sustainable mobility, promotion and support projects in the field of shared energy and water resources are the main areas of intervention in favour of the development of new models for the realization of European energy policies. Innovative projects and initiatives for the transfer of knowledge and technologies in the energy sector. Participation in national and European working groups for the drafting of legislative proposals and funding, providing technical support to local authorities and organizing information and training activities on renewable energy issues, the ecological and energy transition of our territories.

			mitigation and adaptation actions to the effects of climate change are the heart of their actions.	
National business	MSC - Mediterranean Shpping Company	International shipping company with several headquarters and vessels	Sustainable energy and energy savings	Shipping goods and passengers worldwide
National association	RETE ASSIST	The RETE ASSIST network is a national network designed to consolidate, strengthen and carry forward the work undertaken under the European ASSIST project. RETE ASSIST aims to be a reference point for all those involved in promoting the fair energy transition and combating energy poverty.	Domestic energy poverty	Advocacy and awareness, projects, capacity building
Association of regions and local authorities	Coordinamento Agende 21 Locali Italiane	The Coordination Agende 21 Locali Italiane, a non-profit association, pursues exclusively social solidarity objectives, carrying out activities in the field of protection and enhancement of nature and the environment.	The Association aims to promote in Italy, and in particular in urban areas, the process of Local Agenda 21 to make sustainable development integrating economic, social and environmental aspects.	Advocacy, good practices, European projects
Association of non-profit organisations from civil society	Italian Alliance for Sustainable Development (ASviS)	The Italian Alliance for Sustainable Development (ASviS), that brings together almost 300 member organizations among the civil society, aims to raise the awareness of the Italian society, economic	One of the objectives of the ASviS is precisely to contribute to the design of policies that lead Italy on the path of sustainable development, speeding up the implementation of the 2030 Agenda in Italy.	Advocacy, good practices, education and training to sustainable development, monitoring of SDGs

The left column shows a blue section (spanning the top rows) and a yellow section labeled **Citizens** (spanning the lower rows).

			stakeholders and institutions about the importance of the 2030 Agenda for Sustainable Development, and to mobilize them in order to pursue the Sustainable Development Goals (SDGs).		
Regional level					
Public sector	Social/energy NGO	Legambiente Campania	Social Welfare Network - Energy Relevant activities	Energy communities	Awareness raising
	Public administration	Regione Campania - Assessorato all'Ambiente	Responsible for environment and energy communities	Promote energy communities in rural areas	Regional alderman for environment
	Public administration	Regione Campania - Assessorato alle Attività Produttive	Responsible for energy policies	Energy efficiency within enterprises	Regional alderman for energy
	Regional owned enterprise	EAV Srl			
	Public administration	Castellammare di Stabia municipality		Energy Communities	Supporting the Mayor
	Regional owned enterprise	Scabec			
	Municipality owned company	GORI Spa	Water distribution		
Private sector/industry	Regional business	Italgas			
	Regional business	NLG			
	Regional business	Alilauro			

Local level

Public sector	Social association	A.V.F. Associazione volontari del Faito ONLUS	Supporting Regional Park activities	Forest preservation	Provide volunteers as needed
	Social association	AGESCI GRUPPO PIANO DI SORRENTO 1	Youth association - Scout	promote youth outdoor activities	Organise events for dissemination
	Social enterprise	ALMA COOPERATIVA SOCIALE	Health and welfare association	support youth with disability	Organise events for dissemination
	Social association	ASSOCIAZIONE CULTURALE IL SIMPOSIO DELLE MUSE ETS	Social/Cultural association	Promoting cultural activities and events	Organise events for dissemination
	Social association	CENTRO INTERNAZIONALE DI STUDI GIOVAN BATTISTA DELLA PORTA APS	Social/Cultural association	Promoting cultural activities and events	Organise events for dissemination
	Social association	CIRCOLO ACLI LEONE XIII	Catholic workers association	Supporting workers in administrative issues and organising participation at cultural events	Providing helpdesk and cultural events
	Social enterprise	COOPERATIVA SOCIALE ACQUAVIVA - SOCIETA' COOPERATIVA DI LAVORO	Health and welfare association	Retirement home management	Nursing home for elderly
	Social association	IL PELLICANO ODV	Health and welfare association	Emergency transport service - Ambulance	Ambulance service
	Social association	LE SOURIRE DES ENFANTS A.P.S.	Social/Cultural association	Supporting children activities	Organise events for dissemination
	Social association	SORRENTO COAST EXPERIENCE APS	Tour operator	support tourism locally	Promote territorial natural and cultural heritage
	Administration Representative	REGIONE CAMPANIA	Decision/Policy maker	Local energy policies	Finalise local grid infrastructure
	Public administration	Piano di Sorrento Municipality	Public works and city planning	City planning policies	Sustainable energy planning
	Public administration	Piano di Sorrento Municipality	Public works and city planning	Planning and managing public works	Sustainable energy planning
	Public administration	Vico Equense Municipality	Decision maker	Responsible for social policies	Coordinating local policies making
	Public administration	Vico Equense Municipality	Head of municipal dept.	Strategic projects	Co-ordinating energy projects
	Public administration	Vico Equense Municipality	Local Administrator	Social Services	Supporting the Mayor

Private sector/industry	Public administration	Vico Equense Municipality	Head of municipal dept.	Social Services	Managing municipality social services
	Public administration	Piano di Sorrento Municipality	Head of municipal dept.	Social Services	Managing municipality social services
	Local business	Capo Lagala Hotel	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	Astoria Hotel	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	Hotel Moon Valley	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	Eden Bleu	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	Hotel Oriente	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	HOTEL SPORTING	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	HOTEL MARY	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	SCRAJO TERME	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	LE AXIDIE resort	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	GRAND HOTEL ANGIOLIERI	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	LE ANCORE	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	AEQUA HOTEL	Tourist accommodation	Energy savings	Lodging and boarding facility
	Local business	LIDO CUCCURULLO DI RITA LUCIANELLI &C	Tourist accommodation	Energy savings	Catering
	Local business	TORRE DEL SARACINO	Tourist accommodation	Energy savings	Catering
	Local business	ANTICO BAGNO DI ALVINO RENATO & C SNC	Tourist accommodation	Energy savings	Catering
	Local business	LOGIC SRL - BIKINI	Tourist accommodation	Energy savings	Catering
	Local business	DE MARTINO ANTONINO	Local enterprise with above average consumption	Energy savings	Production of wooden artifacts
	Local business	FALEGNAMERIA F.LLI PANICO DI PANICO ALESSANDRO& C SNC	Local enterprise with above average consumption	Energy savings	Production of wooden artifacts
	Environmental NGO	WWF	Supporting Nature conservation activities	Reforestation	Campaigning to preserve nature
	Citizens association	ASSOCIAZIONE INGEGNERI DELLA PENISOLA SORRENTINA	Supporting activity local engineers	Engineering services	Facilitate the capacity building of engineers
	Energy planning	LORENZO CUOMO	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects
	Energy planning	FRANCESCO RAIA	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects
	Energy planning	GIANPAOLO CASTELLANO	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects

	Energy planning	GIANLUCA CATAPALCO	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects
	Energy planning	MARCO D'ESPOSITO	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects
	Energy planning	SALVATORE AVERSA	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects
	Energy planning	GIANLUCA ESPOSITO	Energy consultant	develop project for energy efficiency and renewables	Offering consultant services the local community on energy projects
	Energy management	NEW ELECTRA	Energy management	carry out new installation and/or maintain existing ones for energy efficiency and renewables	Implement energy efficiency projects
	Energy management	GLOBAL ENERGIE	Current energy maintenance and refurbishment public lighting Piano di Sorrento municipality	carry out new installation and/or maintain existing ones for energy efficiency and renewables	Implement energy efficiency projects
	Energy management	OMEGA IMPIANTI	Energy management	carry out new installation and/or maintain existing ones for energy efficiency and renewables	Implement energy efficiency projects
	Energy management	ALFONSO CINQUE	Current energy maintenance and refurbishment public lighting Vico Equense municipality	carry out new installation and/or maintain existing ones for energy efficiency and renewables	Implement energy efficiency projects
	Business Association	FEDERALBERGHI SORRENTO	Category association	Reduce energy costs	Organise events for dissemination
	Local business	Falegnameria Scala e di Palma	Local enterprise with above average consumption	Energy savings	Production of wooden artifacts
	Local business	Falegnameria Flli Buono	Local enterprise with above average consumption	Energy savings	Production of wooden artifacts
	Local business	Villa Massa	Local enterprise with above average consumption	Energy savings	Production of liquors
	Local business	Tre Esse	Local enterprise with above average consumption	Energy savings	Large supermarket

	Local business	CMS Srl	Local enterprise with above average consumption	Energy savings	Production of metal artifacts
	Citizens association	Confcommercio/Ascom Piano di Sorrento	Category association	Reduce energy costs	Organise events for dissemination
	Local business	Shedir Pharma Spa	Local enterprise with above average consumption	Sustainable energy and energy savings	Production of pharmaceuticals
Citizens	Social NGO	Italian Red Cross (CRI) Lecce	Red cross - Health and social care	Committed to reducing the environmental impact of its offices and operations and strives unreservedly to mitigate climate change and the negative impact that this phenomenon has on the lives of people in Italy and in the world.	National projects on different areas of interventions (social inclusion, health, climate change, disaster preparedness and response, training).
	Citizens association	Teatro mio	Socio-cultural association	Promoting cultural activities and events	Organise activities for dissemination
	Citizens association	ATEX	Socio-cultural association	Promoting cultural activities and events	Organise activities for dissemination
	Foundation	Fondazione Discepolo/museo mineralogico	Socio-cultural association	Promoting cultural activities and events	Organise events for dissemination
	Citizens association	Proloco	Socio-cultural association	Promoting cultural activities and events	Organise events for dissemination
	Citizens association	Pizza a Vico	Socio-cultural association	Promoting cultural activities and events	Organise events for dissemination
	Citizens association	Unitre penisola sorrentina	Socio-cultural association	Promotion of activities directed to aged people	Organise events for dissemination
	Citizens association	Polisportiva Vico Equense	Promotion of sport activities	Basket, Volleyball	Organise activities for dissemination
	Citizens association	ASD New Generation Vico	Promotion of sport activities	Football	Organise activities for dissemination
	Citizens association	Lega Navale Italia	Promotion of maritime activities	Sailing	Organise activities for dissemination
	Citizens association	ACOVE VicoEquense/commercianti	Category association	Reduce energy costs	Organise events for dissemination
	Citizens association	Vico per cacio	Promotion of local food excellence	Reduce energy costs	Organise events for dissemination
	Citizens association	Consorzio Marina D'Aequa	Promotion of supporting activities Seiano area	Reduce energy costs	Organise events for dissemination

	Citizens association	Consorzio Provolone del Monaco	Promotion of local food excellence	Reduce energy costs	Organise events for dissemination
	Citizens association	Amici della musica "Santa Cecilia"	Promotion of music events	Youth	Organise events for dissemination

Table A.4 - Greek stakeholder identification, description, and analysis.

Stakeholder identification and description			Stakeholder analysis		
Quadruple helix groups	Typology	Institution	Roles	Interests	Current Action
National level					
Public sector	Indirect State Administration	Κέντρο Ανανεώσιμων Πηγών και Εξοικονόμησης Ενέργειας (ΚΑΠΕ) (Center for Renewable Energy Sources)	Promotion of renewable energy sources	Promotion of the importance of renewable energy resources	Primary national agency responsible for promoting renewable energy sources, rational use of energy, and energy conservation in Greece
	Direct State Administration	Διαχειριστής Ελληνικού Δικτύου Διανομής Ηλεκτρικής Ενέργειας (Hellenic Electricity Distribution Network Operator)	Distribution of Electricity	Alternative ways of distributing renewable energy	Manages the electricity distribution network in Greece and facilitates grid connections for renewable energy sources
	Indirect State Administration	Ρυθμιστική Αρχή Αποβλήτων, Ενέργειας και Υδάτων (Regulatory Authority for Energy and Water)	Regulation of energy market	Integration of sustainable energy	The Regulatory Authority for Energy (RAE) plays a crucial role in shaping Greece's energy policies. It regulates energy markets, oversees the integration of renewable energy, and drives investments in the sector. By setting guidelines and monitoring compliance, RAE has a significant impact on both energy

				policy and consumer outcome
Publicly Assisted Sector	Ελληνικά Πετρέλαια Ανανεώσιμες Πηγές Ενέργειας Α.Ε. (ΕΛΠΕ Ανανεώσιμες) (Hellenic Petroleum)	Development of Renewable Energy Solutions	ELPE interests are to align its business strategies with sustainable energy practices, aiming to balance economic growth with environmental responsibility and community impact	A subsidiary of Hellenic Petroleum focused on developing renewable energy projects. It contributes to Greece's green transition by investing in solar and wind projects
Indirect State Administration	ΑΝΕΞΑΡΤΗΤΟΣ ΔΙΑΧΕΙΡΙΣΤΗΣ ΜΕΤΑΦΟΡΑΣ ΗΛΕΚΤΡΙΚΗΣ ΕΝΕΡΓΕΙΑΣ "ΑΔΜΗΕ"Α.Ε (Independent Power Transmission Operator)	Energy Transmission	ADMIE is interested in investing in grid modernization, enhancing cross-border energy connections, and increasing the share of renewable energy	ADMIE manages Greece's electricity transmission network and plays a vital role in integrating renewable energy sources, ensuring stability in the national grid
Organization gorverned by the National Observatory of Athens	Ινστιτούτο Περιβαλλοντικής Έρευνας και Αειφόρου Ανάπτυξης (IERSD) (The Institute for Environmental Research and Sustainable Development)	Studying climate change and sustainable energy	The Institute for Environmental Research and Sustainable Development (IERSD) interests are to conduct research and providing insights into environmental issues, promoting sustainable development practices	A public research institute that focuses on studying climate change and sustainable energy, providing scientific insights to inform policy decisions
Environmental NGO	Ελληνική Ένωση Αιολικής Ενέργειας (HWEA) (Hellenic Wind Energy Association)	Advocating about Wind Energy	Promotion of the importance of wind Energy	A private organization that advocates for wind energy development in Greece, supporting the industry's growth through policy advocacy and public outreach
Indirect State Administration	Ελληνικός Οργανισμός Δικτύων Περιβάλλοντος & Ενέργειας (Natural Environment & Climate Change Agency)	Promoting Renewable energy	Renewable energy projects and methodologies	An agency that promotes renewable energy projects and initiatives in Greece, playing a key role in supporting energy efficiency and sustainability programs

	Non-profit association	Ελληνικός Σύνδεσμος Συμπαραγωγής Θερμότητας και Ηλεκτρισμού (Hellenic Association for the Cogeneration of Heat and Power)	Development of cogeneration methods	The Hellenic Association for the Cogeneration of Heat and Power interests are to promote the efficient use of energy through cogeneration technologies, advocating for regulatory support, and enhancing knowledge sharing among stakeholders	This association supports the development and implementation of cogeneration technologies, which generate both heat and power efficiently
	National Initiative	Πρωτοβουλία GR-eco Islands (GR-eco Islands Initiative)	Promotion of clean energy to the islands	Promotion of renewable and clean energy	This initiative aims to transform Greek islands into models of clean energy transition and green economy. It includes the installation of renewable energy systems like photovoltaic panels and the introduction of electric vehicles and boats
Academia	Higher education institute	Εθνικό Μετσόβιο Πολυτεχνείο (ΕΜΠ) (National Technical University of Athens)	Research on Renewable Energy Sources	Its interests span a wide range of areas including advancing research and innovation in science and engineering, fostering collaboration with industry and academic partners, and contributing to the development of technology and infrastructure solutions that address national and global challenges	NTUA has established the Center of Scientific Excellence for Energy, which researches in renewable energy sources, energy storage, smart cities and sustainable development
Private sector/industry	National business	Δημόσια Επιχείρηση Ηλεκτρισμού (Public Power Corporation)	Power generation and distribution	The Public Power Corporation (PPC) is primarily interested in generating and supplying electricity across Greece. It focuses on enhancing energy production efficiency, transitioning towards renewable energy sources	Public Power Corporation (PPC), or ΔΕΗ in Greek, is the country's largest electricity producer and supplier. Founded in 1950 as a state-owned company, PPC has modernized Greece's energy infrastructure and

				now leads the transition towards renewable energy, aligning with national and EU climate goals. It plays a key role in shaping Greece's energy landscape, particularly through projects in wind, solar, and hydroelectric power. It has a state participation, but 65.88% belongs to individuals, and it is listed on the Hellenic Stock Exchange
Non-profit association	Σύνδεσμος Εταιριών Φωτοβολταϊκών (Association of Photovoltaic Companies)	Advocating about Solar Energy	Solar Energy and new solar panels	A private organization that promotes the use of solar energy technologies and works to integrate solar solutions into Greece's energy market
Environmental NGO	Ένωση Εταιρειών Φωτοβολταϊκών Ελλάδος (Hellenic Association of Photovoltaic Companies)	Promotion of photovoltaic sector	New ways of developing photovoltaic panels and promoting the adoption of solar energy	A private organization that represents and supports companies in the solar photovoltaic sector, advocating for broader adoption of solar energy
Environmental NGO/Project	WEnCoop: ο πρώτος ενεργειακός συνεταιρισμός γυναικών επιχειρηματιών (WEnCoop: the first energy cooperative of women entrepreneurs)	Production of renewable energy	WEnCoop interests are to empower women entrepreneurs in renewable energy through advocacy, community projects, and leadership development	Europe's first all-woman energy community in Greece, focusing on educating and empowering women in energy efficiency and renewable energy production. This cooperative is a significant step towards gender equality in the green transition
Environmental NGO	Μη Κερδοσκοπική Ενεργειακή Κοινότητα HYPERION (Energy Community HYPERION)	Production of renewable energy	HYPERION's interests focus on promoting renewable energy adoption, fostering energy self-sufficiency, and enhancing	A democratic collective that produces renewable energy for its members and the wider

				community engagement in sustainable practices	community. It also focuses on energy efficiency and addressing energy poverty in Greece
	National business	Οικολογική Ανάπτυξη Α.Ε. (Eco Development S.A)	Development and management of energy projects	Eco Development S.A. interests are sustainable development projects that include renewable energy production, environmental conservation, and eco-friendly infrastructure	A company involved in the development and management of energy projects, including renewable energy. It plays a significant role in advancing sustainability projects across Greece
	Environmental NGO	Ελληνικός Σύνδεσμος Παραγωγών Βιοαερίου-ΕΣΠΑΒ (Hellenic Association of Biogas Producers)	Promotion of Biogas sector	The Hellenic Association of Biogas Producers (ESPAV) is interested in advancing biogas production technologies, lobbying for favorable policy frameworks, increasing biogas use in energy generation	Focuses on promoting the biogas sector through policy advocacy, education, and research, influencing renewable energy utilization and waste management practices
	Foundation	Ίδρυμα Τεχνολογίας και Έρευνας (Foundation for Research and Technology)	FORTH conducts specialized scientific research	Interests on promoting innovation in science and technology, fostering collaborations with academic and industrial partners, and contributing to national and international research initiatives	Engages in research, with projects on renewable energy sources and technologies
Citizens	Environmental NGO	The Green Tank Greece	Promotion of Energy policy discussions	The Green Tank in Greece focuses on promoting environmental sustainability through research, policy analysis, and advocacy	This NGO is actively involved in energy policy discussions and advocacy, particularly around energy communities and the just transition in energy sectors, aiming for sustainable and democratic energy development in Greece
	Environmental NGO	Άνεμος Ανανέωσης (Wind of Renewal)	Creating environmentally friendly solutions	Promotion of promoting social and green innovation	Anemos Ananeosis, also known as Wind of Renewal, is a Greek non-profit organization that focuses on promoting social and green

				innovation. The organization is particularly engaged in creating environmentally friendly solutions that also foster social inclusion and community development. One of their notable projects is the Green Apartments Initiative, which involves renovating urban buildings to improve energy efficiency. This initiative helps reduce living costs for residents and enhances the sustainability of urban housing
	Environmental NGO	Ελληνική Εταιρεία – Εταιρεία Περιβάλλοντος και Πολιτιστικής Κληρονομιάς (ΕΛΛΕΤ) (Hellenic Society for Environment & Culture)	Promoting Greece's environmental and cultural heritage	Advocating for sustainable development and promoting environmental awareness and protection	It focuses on preserving Greece's natural and cultural heritage, advocating for sustainable development, and promoting environmental awareness and protection. ELLET is involved in various conservation projects, educational programs, and advocacy efforts aimed at preserving historical sites and promoting environmental conservation strategies
	NGO / Social Alliance	Το Ελληνικό Δίκτυο για την Καταπολέμηση της Φτώχειας (Hellenic Anti-Poverty Network)	Combating social exclusion	Its interests include promoting social inclusion, ensuring access to basic services for all citizens, and working collaboratively with various stakeholders to create sustainable solutions for economic and social challenges	The Hellenic Anti-Poverty Network was instrumental in establishing the European Anti-Poverty Network (EAPN), which represents the largest coalition in Europe made up of national, regional,

					and local networks. These networks include NGOs and grassroots organizations, as well as European bodies dedicated to fighting poverty and social exclusion
	NGO / Social Network	ΠΡΑΞΙΣ (PRAKSIS)	Combating social and economic exclusion	Interests center around protecting human rights, promoting social inclusion, and enhancing the health and well-being of marginalized communities through direct interventions and advocacy	PRAKSIS is a nonprofit civil society organization focused on developing and implementing humanitarian, medical, and development programs. Its main goal is to address the social and economic exclusion of vulnerable groups and advocate for their individual and social rights. The organization's strategy is built on three pillars: prevention, direct intervention and support, and advocacy for rights

Regional level

Public sector	Administrative Service	Γενική Διεύθυνση Αναπτυξιακού Προγραμματισμού, Περιβάλλοντος και Υποδομών (General Directorate of Development Planning, Environment and Infrastructure)	Coordination and oversight	Developmental, environmental, and infrastructural aspects within its jurisdiction	The General Directorate of Development Planning, Environment and Infrastructure in Greece focuses on the integration of renewable energy initiatives in the context of wider development planning, environment and infrastructure. Aligns regional strategies with national and EU renewable energy policies, supporting sustainable development

					and investment in renewable energy projects
	Higher education institute	Δημοκρίτειο Πανεπιστήμιο Θράκης (Democritus University of Thrace)	Advancing research and education on environmental issues and sustainable energy.	Democritus University of Thrace (DUTH) plays a significant role in advancing research and education on environmental issues and sustainable energy. The university has departments and research centers focused on environmental engineering, renewable energy technologies, and sustainability practices	DUTH is particularly involved in projects related to energy efficiency, climate change mitigation, and sustainable resource management. Its research interests include the development of innovative solutions for reducing energy consumption, promoting green technologies, and addressing environmental challenges at both the regional and global levels
Private sector/industry	Regional business	Όμιλος Sunlight (Sunlight Group)	Energy Storage Solutions	Development of alternative and climate friendly energy storage solutions	A company based in Xanthi that specializes in energy storage solutions, including production and recycling of batteries, crucial for renewable energy systems
Citizens	Municipality - Project	Σύμπλεγμα Ενέργειας και Φυσικών Πόρων Ανατολικής Μακεδονίας και Θράκης (Energy and Natural Resources Complex of Eastern Macedonia and Thrace)	Designing energy strategies that help cities	Contribute to the socially inclusive energy and mobility transition	It aims to transition the region towards a low carbon economy by developing innovative energy solutions. This includes projects on renewable energy sources, energy efficiency, and zero energy buildings. ENERGY HIVE fosters collaboration among regional stakeholders and aims to establish the

					area as a strategic energy hub in the Balkan
	Energy community	Ενεργειακή Κοινότητα Ανατολικής Μακεδονίας και Θράκης (Energy Community of Eastern Macedonia and Thrace)	The Energy Community of Eastern Macedonia and Thrace functions as a collaborative platform that brings together local governments, businesses, and citizens to promote and implement sustainable energy projects in the region	The community's primary interests are in developing and supporting projects that harness solar, wind, and biomass energy, aiming to reduce dependence on fossil fuels and enhance energy security	The Energy Community is involved in several initiatives, including the installation of photovoltaic systems in public buildings, the development of local small-scale wind farms, and the implementation of energy efficiency measures in residential and commercial properties

Local level

Public sector	Public body	Τμήμα Περιβάλλοντος και Καθαριότητας - Γραφείο Περιβάλλοντος (Department of Environment and Cleanliness - Office of the Environment)	It is responsible for resources management	Protection and upgrading of the local natural environment	The Municipality of Avdira's "Department of Environment and Cleanliness and Recycling" is responsible for overseeing and improving recycling programs, street cleaning, and municipal garbage disposal in order to support

				environmental sustainability.
Administrative Service of of the Municipality of Avdira	Τμήμα Περιβάλλοντος και Καθαριότητας - Γραφείο Περιβάλλοντος (Department of Environment and Cleanliness - Office of the Environment)	It is responsible for energy management	Protection and upgrading of the local natural environment	The primary responsibilities of the "Department of Environment and Cleanliness - Office of Environment of the Municipality of Avdira" are resource management, conservation activities supervision, and the creation and implementation of environmental regulations
Municipality	Δήμος Τοπείρου (Municipality of Topeiros)	Oversees local administrative functions, represents the community in municipal decisions	Improving the services of the municipality such as infrastructure, and addressing residents' needs	In Greece's East Macedonia and Thrace region, the Municipality of Topeiros is a local government entity tasked with overseeing local services, infrastructure, and community welfare while fostering sustainable development within its boundaries
Public body	Γραφείο «Βοήθεια στο σπίτι» του Δήμου Αβδήρων (Help at home office of the Municipality of Avdira)	Providing essential services to the elderly and people with disabilities	Enhance the quality of life for the elderly and disabled by ensuring they receive healthcare and social support directly in their homes, fostering their independence and integration within the community	he "Help at Home" office of the Municipality of Avdira implements a program aimed at providing essential services to the elderly and people with disabilities who face difficulties managing on their own. This initiative addresses social justice by ensuring that these vulnerable groups can live dignified, independent lives in their

				own homes, avoiding institutional care
Public body	Γραφείο «Βοήθεια στο σπίτι» του Δήμου Αβδήρων (Help at home office of the Municipality of Avdira)	Providing essential services to the elderly and people with disabilities	Enhance the quality of life for the elderly and disabled by ensuring they receive healthcare and social support directly in their homes, fostering their independence and integration within the community	The "Help at Home" office of the Municipality of Avdira implements a program aimed at providing essential services to the elderly and people with disabilities who face difficulties managing on their own. This initiative addresses social justice by ensuring that these vulnerable groups can live dignified, independent lives in their own homes, avoiding institutional care
Public body	Γραφείο Κοινωνικής Πολιτικής του Δήμου Αβδήρων (Social Policy Office of the Municipality of Avdira)	Focuses on several key initiatives aimed at combating social injustice and poverty	Promoting social welfare and ensuring equitable access to resources for all community members, especially the vulnerable	The Social Policy Office of the Municipality of Avdira focuses on several key initiatives aimed at combating social injustice and poverty. These include programs to enhance social care and solidarity for residents, particularly vulnerable populations such as the elderly and those with disabilities.
Public body	Γραφείο Κοινωνικής Πολιτικής του Δήμου Αβδήρων (Social Policy Office of the Municipality of Avdira)	Focuses on several key initiatives aimed at combating social injustice and poverty	Promoting social welfare and ensuring equitable access to resources for all community members, especially the vulnerable	The Social Policy Office of the Municipality of Avdira focuses on several key initiatives aimed at combating social injustice and poverty. These include programs to enhance social care and solidarity for residents, particularly vulnerable populations such as the elderly and those with disabilities

	Public body	Γραφείο Κοινωνικής Πολιτικής του Δήμου Αβδήρων (Social Policy Office of the Municipality of Avdira)	Focuses on several key initiatives aimed at combating social injustice and poverty	Promoting social welfare and ensuring equitable access to resources for all community members, especially the vulnerable	The Social Policy Office of the Municipality of Avdira focuses on several key initiatives aimed at combating social injustice and poverty. These include programs to enhance social care and solidarity for residents, particularly vulnerable populations such as the elderly and those with disabilities
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	Public body	Γραφείο «Βοήθεια στο σπίτι» του Δήμου Αβδήρων (Help at home office of the Municipality of Avdira)	Providing essential services to the elderly and people with disabilities	Enhance the quality of life for the elderly and disabled by ensuring they receive healthcare and social support directly in their homes, fostering their independence and integration within the community	The "Help at Home" office of the Municipality of Avdira implements a program aimed at providing essential services to the elderly and people with disabilities who face difficulties managing on their own. This initiative addresses social justice by ensuring that these vulnerable groups can live dignified, independent lives in their own homes, avoiding institutional care

	Public body	Γραφείο «Βοήθεια στο σπίτι» του Δήμου Αβδήρων (Help at home office of the Municipality of Avdira)	Providing essential services to the elderly and people with disabilities	Enhance the quality of life for the elderly and disabled by ensuring they receive healthcare and social support directly in their homes, fostering their independence and integration within the community	The "Help at Home" office of the Municipality of Avdira implements a program aimed at providing essential services to the elderly and people with disabilities who face difficulties managing on their own. This initiative addresses social justice by ensuring that these vulnerable groups can live dignified, independent lives in their own homes, avoiding institutional care
	Public body	Γραφείο «Βοήθεια στο σπίτι» του Δήμου Αβδήρων (Help at home office of the Municipality of Avdira)	Providing essential services to the elderly and people with disabilities	Enhance the quality of life for the elderly and disabled by ensuring they receive healthcare and social support directly in their homes, fostering their independence and integration within the community	The "Help at Home" office of the Municipality of Avdira implements a program aimed at providing essential services to the elderly and people with disabilities who face difficulties managing on their own. This initiative addresses social justice by ensuring that these vulnerable groups can live dignified, independent lives in their own homes, avoiding institutional care
	Public body	Δημοτική Κοινότητα Δήμου Αβδήρων (Municipal Community of the Municipality of Avdira)	The Municipal Community of Avdira manages local affairs, promotes development, and enhances resident welfare in the Avdira region through public services and community engagement	Interested in raising awareness and promoting sustainability	Oversee local administrative tasks, programs, and projects relevant to their communities, with an emphasis on infrastructure, local governance, and community welfare.

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	Public body	Δημοτική Κοινότητα Πολυσίτου Δήμου Αβδήρων (Municipal Community of Polysitos, Municipality of Avdira)	The Municipal Community of Polysitos in the Municipality of Avdira oversees local governance, supports community development, and enhances the quality of life for its residents	In cooperation with the other municipal communities of the Municipality of Avdira, they promote and take care of the modernization of the infrastructure and the inclusion of all citizens, especially the vulnerable	Oversee local administrative tasks, programs, and projects relevant to their communities, with an emphasis on infrastructure, local governance, and community welfare
	Public body	Γραφείο Ανακύκλωσης Δήμου Αβδήρων (Recycling office of Municipality of Avdira)	Implementation of recycling programs	Incentive programs that reward citizens and organizations for effective recycling practices	Recycling Office of the Municipality of Avdira oversees and manages the recycling initiatives within the municipality, aiming to enhance environmental sustainability and reduce waste
	Public body	Γραφείο Τεχνολογιών, Πληροφορικής και Επικοινωνιών (ΤΠΕ) του Δήμου Αβδήρων (Office of Technologies, Informatics and Communications (ICT) of the Municipality of Avdira)	Leveraging its expertise and resources in technology and communications	Develop and manage digital platforms that monitor and manage energy use within municipal buildings and school	This office is responsible for the development, implementation, and management of digital solutions and communications systems that support various municipal services. Their role includes overseeing the IT infrastructure, managing the municipality's online presence, ensuring data security, and facilitating effective communication between the municipality and the public
	Public body	Γραφείο Οικονομικών υπηρεσιών του Δήμου Αβδήρων (Financial services office of the Municipality of Avdira)	Management and overseeing of expenses and capital	Interest in cooperating with regional enterprises for the financial support of local initiatives	It ensures the transparency of the inflow and outflow of money and capital, particularly in matters such as energy and investment in local actions

	Municipality	Δημοτική Ενότητα Τοπείρου/ Γραφείο Κοινωνικών Υποθέσεων (Territorial Municipal Unit/ Office of Social Affairs)	The Territorial Municipal Unit of Topeiros, through its Office of Social Affairs, manages local social programs, supports community welfare initiatives, and addresses the social needs of its residents	Interests to actions of promoting social inclusion, focusing on support for vulnerable and underserved populations	Within the Municipality of Topeiros, the "Municipal Unit of Topeiros / Office of Social Affairs" oversees and deals with a range of social concerns that affect the local population. This office oversees social welfare initiatives, aids disadvantaged populations
	Municipality	Δημοτική Ενότητα Τοπείρου - Βοήθεια στο Σπίτι (Municipal Unit of Topeiro - Help at Home)	Provides counselling and psycho-emotional support	Advocate for or facilitate access to affordable and reliable energy services for the elderly and people with disabilities	This program is a social protection initiative designed to deliver structured and systematic support to elderly individuals and people with disabilities. It aims to ensure that they can live with dignity and independence, remain within their familial and social surroundings, and experience an enhanced quality of life
	Municipality of Avdira	Γραφείο Γεωθερμίας του Δήμου Αβδήρων (Geothermal Office of the Municipality of Avdira)	Utilization of geothermal energy	Promotion of geothermal energy and its benefits	It promotes measures for geothermal fields to be exploited for direct uses, with a minimal environmental footprint, to cover a range of energy needs (e.g., heating)
	Municipality of Avdira	Γραφείο Περιβάλλοντος του Δήμου Αβδήρων (Environment Office of the Municipality of Avdira)	Fostering sustainable practices within the community	Additional sustainable practices	Environmental Office of Avdira Municipality plays a vital role in fostering sustainable practices within the community, focusing on infrastructure improvements that enhance environmental

					quality and quality of life for its residents
	Municipal Volunteers	Εθελοντές Δήμου Αβδήρων (Volunteers of the Municipality of Avdira)	Engage in activities that promote environmental sustainability and social inclusion	Interests include enhancing community welfare, promoting social cohesion, and participating in activities that improve the environment	Participate in initiatives related to renewable energy sources, such as solar, wind, and geothermal energy.
	Municipality of Avdira	Διοίκηση - Δημαρχείο του Δήμου Αβδήρων (Administration - Town Hall of the Municipality of Avdira)	Improve Infrastructure, include every citizen, take care of their wellbeing	Coordination with different organizations to promote social justice	The Municipality of Avdira's "Administration - City Hall" oversees supervising the administration of the municipality, including the management of municipal services and the execution of local government policy
	Municipality of Avdira	Δημοτική Κοινότητα Πηγαδίων του Δήμου Αβδήρων (Municipal Community of Pigadei of the Municipality of Avdira)	The Municipal Community of Pigadi in the Municipality of Avdira focuses on community engagement	In cooperation with the other municipal communities of the Municipality of Avdira, they promote and take care of the modernization of the infrastructure and the inclusion of all citizens, especially the vulnerable	Oversee local administrative tasks, programs, and projects relevant to their communities, with an emphasis on infrastructure, local governance, and community welfare
Private sector/industry	Local business	ΣΠΥΡΟΣ ΓΚΟΥΛΙΟΥΜΗΣ ΜΟΝΟΠΡΟΣΩΠΗ ΑΕ (SPYROS GOULIOUMIS MONOPROSSOPI SA)	Production of renewable energy	Photovoltaic parks	Initially, the company was active in the field of tourist services. However, since 2016, through the acquisition of power plants from renewable sources, it has also been developing in the energy sector
	Enterprise	Ηλιακή Ενέργεια Αβδήρων (Avdera Solar Energy)	Serves as both a distributor and installer of photovoltaic (PV) systems	The interests of Avdira Solar Greece include promoting renewable energy adoption in Greece, reducing energy costs for consumers, and expanding the infrastructure for solar energy in the region	Avdira Solar Greece operates as a distributor and installer of photovoltaic systems, handling projects from design to implementation. The

				company focuses on promoting renewable energy adoption in Greece, aiming to reduce energy costs and expand solar infrastructure to harness the country's abundant sunlight for sustainable energy independence
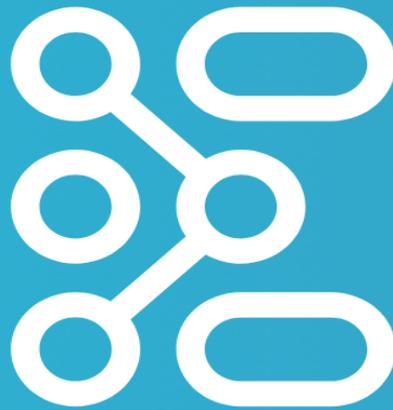
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*Empowering local and regional authorities
to design clean energy transition plans*

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