

Gefördert durch:



Bundesministerium
für Wirtschaft
und Energie

aufgrund eines Beschlusses
des Deutschen Bundestages

PIA

Professionalisierung | Inklusion | Akzeptanz

Digitale Plattform zur Beteiligung an Energiegemeinschaften & Energy-Sharing Deliverable 3.1

Autor*innen: Barbara Breitschopf

Date: December 2025

Inhaltsverzeichnis

Erklärung zur Originalität	2
Projektinformationen	2
Über das Projekt	3
Kontakte	4
Introduction	5
Literature Review	5
Summary	7
References	8

Erklärung zur Originalität

Dieses Dokument enthält ausschließlich eigene, bislang unveröffentlichte Arbeiten, sofern nicht ausdrücklich anders angegeben. Bereits veröffentlichte Materialien sowie Arbeiten anderer Personen wurden durch angemessene Zitate, Quellenangaben oder beides kenntlich gemacht.

Projektinformationen

- **Projekttitel:** PIA – Professionalisierung. Inklusion. Akzeptanz.
- **Projektlaufzeit:** Juli 2025 – Juni 2028 (36 Monate)
- **Ziel:** Mehr Bürger*innen – besonders einkommensschwache Haushalte – sollen an Energiegemeinschaften teilnehmen können.
- **Wie:** Entwicklung von Beteiligungsformaten, einer digitalen Plattform/App und Energy-Sharing-Modellen, um Akzeptanz, Inklusion und Nutzen zu steigern.
- **Partner*innen:**
 - Fraunhofer ISI (Gesamtkoordination)
 - Europa-Universität
 - SWW Wunsiedel GmbH
 - EsGeht! Energiesysteme GmbH
 - revoluSUN GmbH
 - Bündnis Bürgerenergie e.V.

Das Projekt PIA wird, auf Grund eines Beschlusses des Deutschen Bundestages, vom Bundesministerium für Wirtschaft und Energie gefördert.

Über das Projekt

Das Projekt untersucht, wie sich möglichst viele Bürger:innen – insbesondere einkommensschwache Haushalte – an **Energiegemeinschaften** beteiligen können. Es wird erforscht, wie verschiedene **Beteiligungsformate, digitale Plattformen und Bürgerbeteiligungs-Apps** zu gestalten sind, um die Akzeptanz und Nutzung zum Vorteil aller zu steigern. Ein Schwerpunkt liegt auf der **Ansprache bislang unbeteiligter Personen**, damit sie aktiv an der Energiewende mitwirken. Außerdem wird untersucht, wie professionelle Akteure eingebunden werden können, um Vielfalt und Integration im Energiesystem zu fördern. Schließlich wird analysiert, wie **Energy Sharing** so gestaltet werden kann, dass alle Beteiligten einen Mehrwert daraus ziehen und Transaktionskosten jedoch gering bleiben.



Kontakte



Jan Weiler
EsGeht! GmbH
jan.weiler@EsGeht!.gmbh



Prof. Dr. iur. Jens Lowitzsch
Inhaber der Kelso-Stiftungsprofessur an der
Wirtschaftswissenschaftlichen Fakultät der Europa-
Universität
lowitzsch@europa-uni.de



Barbara Breitschopf
Fraunhofer Institut für System- und Innovationsforschung
barbara.breitschopf@isi.fraunhofer.de



Gerhard Meindl
SWW / FEL GmbH
gerhard.meindl@fel-wunsiedel.de



Andrea Ruiz
revoluSUN GmbH
andrea@revolusun.eu

Marina Braun
revoluSUN GmbH
marina@revolusun.eu



Rina Balfanz
Bündnis Bürgerenergie e.V.
Kommunikationsmangerin
rina.balfanz@buendnis-buergerenergie.de

Introduction

This literature review is conducted within the framework of the project PIA and is part of the third work package (WP3). The WP's overarching objective is to systematically identify and synthesize the key aspects of energy communities (ECs), i.e. design features discussed in the academic and grey literature, and citizens' needs and preferences for specific designs.

The aim of this review is twofold: first, to understand which aspects of energy communities have been addressed in the literature, and second, to structure these aspects into a coherent framework. Given the interdisciplinary nature of ECs as socio-technical systems, the literature spans technical, economic, social, institutional, and contextual perspectives, barriers, drivers and success factors which require consolidation to enable further empirical analysis.

The results of this literature review serve as input for the next stage of the project, namely the design of a questionnaire. This questionnaire will be used in a survey aimed at identifying which configurations and design features of energy communities are most attractive to citizens. Consequently, the structured dimensions developed in this review serve as the conceptual foundation for operationalizing key variables in the empirical analysis.

Finally, a list of references identified during the literature review is provided in the last section.

Literature Review

The literature on ECs identifies a broad set of interrelated dimensions that shape their design, implementation, and impacts. To better design a questionnaire on key aspects affecting citizens' decision to become members of ECs, these dimensions can be consolidated into ten overarching categories.

At the core are technical and energy-related aspects, which encompass the deployment, integration, and scaling of energy generation, storage, and flexibility technologies. Photovoltaics emerges as the dominant technology, complemented by wind, hydropower, and biomass solutions, as well as demand response and charging infrastructure (Lowitzsch et al. 2023; Druta et al. 2025). These technological foundations are closely linked to the economic and financial dimension, covering business mod-

els, investment requirements, and financial returns. While high upfront costs often present barriers, they are typically offset by long-term benefits such as cost savings, revenues from feed-in tariffs, and local value creation (Arias et al. 2025; Caferri et al. 2024).

Environmental and climate considerations provide both motivation and evaluation criteria for energy communities, as they contribute to decarbonization and sustainability transitions (Rego et al. 2025; Mullen et al. 2024). Closely related is the social dimension, which addresses issues such as procedural and distributive justice, inclusion, and trust. Energy communities can strengthen social cohesion and contribute to alleviating energy poverty while fostering active citizen participation (Hanke et al. 2021; Simone et al. 2025a).

In addition, cultural factors, including norms, values, and beliefs, influence acceptance and participation, potentially acting as either enablers or barriers (Fischer et al. 2021). The knowledge and capacity dimension further highlights the importance of access to information, technical expertise, and prior experience in enabling effective engagement (Georgarakis et al. 2021).

At the institutional level, legal and regulatory frameworks play a decisive role by shaping the opportunities and constraints for energy communities. Policies, incentive schemes, and administrative requirements can either facilitate or hinder their development (Lowitzsch et al. 2020). Complementing this, governance and organizational structures define decision-making processes, distribution mechanisms, and participation rights, thereby influencing legitimacy and internal acceptance (Klagge et al. 2016; Arias et al. 2025).

Operationally, these dimensions are expressed through activities and market participation, ranging from energy generation and storage to trading, aggregation, and sector coupling, extending beyond electricity into heating and other sectors (Wierling et al. 2022; Caputo et al. 2025).

Finally, all dimensions are embedded within a broader contextual layer, encompassing geographical conditions, actor constellations, and strategic objectives. Local conditions, the roles of different stakeholders, and the intended economic, social, and environmental outcomes jointly determine the specific configuration of energy communities (Boije af Gennäs Erre et al. 2025; Ceglia et al. 2022).

Overall, energy communities can be conceptualized as complex socio-technical systems, whose success depends on the coherent alignment and interaction of these multiple dimensions.

A summary table is presented in the next section.

Summary

Dimension	Core Content (compressed)	Key Aspects	References (selection)
1. Technical & Energy	Technologies, infrastructure, system integration	Generation (mainly PV), storage, flexibility, demand response, charging infrastructure, scaling, technical interdependencies	Lazdins et al. 2021; Rego et al. 2025; Druta et al. 2025; Lowitzsch et al. 2023
2. Economic & Financial	Viability, business models, financial outcomes	Business models, investments, high upfront costs, revenues, self-consumption, local value creation, profitability	Arias et al. 2025; Rego et al. 2025; Caferra et al. 2024; Basilico et al. 2025
3. Environmental & Climate	Environmental impacts and motivations	Emission reductions, sustainability goals, climate attitudes and perceptions	Rego et al. 2025; Mullen et al. 2024; Neves et al. 2025
4. Social	Societal effects and interactions	Justice (procedural, distributive), inclusion, trust, social cohesion, participation, energy poverty	Hanke et al. 2021; Blanke et al. 2022; Simone et al. 2025a
5. Cultural	Values, norms, beliefs	Social and cultural norms, beliefs, cultural barriers, attitudes towards climate, environment, energy transition, justice	Fischer et al. 2021; Ruggiero et al. 2021; Dioba et al. 2024

6. Knowledge & Capacities	Information and skills base	Knowledge on technologies and finance, access to information, experience, capacities	Georgarakis et al. 2021; Magalhães et al. 2025
7. Legal & Regulatory	Regulatory framework conditions	Incentives, energy market rules (e.g. net metering), contracts, bureaucracy, legal forms	Lowitzsch et al. 2020; Becchetti & Salustri 2025; Yiasoumas et al. 2023
8. Institutional & Governance	Organizational and decision-making structures	Governance models, decision rights, benefit distribution, organizational forms, members	Arias et al. 2025; Klagge et al. 2016; Vecchi et al. 2025
9. Activities & Markets	Value creation activities and sectors	Generation, storage, trading, aggregation, sector coupling, electricity and heat markets	Wierling et al. 2022; Kubli & Puranik 2023; Caputo et al. 2025
10. Context (Location, Actors, Objectives)	Embedding conditions and strategic orientation	Geography, actor constellations, roles, objectives (economic, social, environmental), value proposition	Boije af Gennäs Erre et al. 2025; Ceglia et al. 2022; Arias et al. 2025

References

Ahlemeyer, Kai; Griesse, Kai-Michael; Wawer, Tim; Siebenhüner, Bernd (2022): Success factors of citizen energy cooperatives in north western Germany: a conceptual and empirical review. In: *Energy Sustain Soc* 12 (1). DOI: 10.1186/s13705-022-00354-4.

Arias, Alba; Husiev, Oleksandr; Schwaller, Corinne; Sturm, Ulrike (2025): Terminologies and concepts of energy cooperations in Europe: A systematic review

of characteristics, potentials, and challenges. In: *Energy Research & Social Science* 122, S. 104012. DOI: 10.1016/j.erss.2025.104012.

Basilico, Paolo; Biancardi, Alberto; D'Adamo, Idiano; Gastaldi, Massimo; Stornelli, Vincenzo (2025): Socioeconomic dimensions of renewable energy communities: Pathways to collective well-being. In: *Utilities Policy* 96, S. 102000. DOI: 10.1016/j.jup.2025.102000.

Becchetti, Leonardo; Salustri, Francesco (2025): Renewable energy communities and the ecological transition: A game theoretic bargaining approach. In: *Utilities Policy* 96, S. 102006. DOI: 10.1016/j.jup.2025.102006.

Bellini, Francesco; Campana, Paola; Censi, Riccardo; Di Renzo, Matteo; Tarola, Anna Maria (2024): Energy Communities in the Transition to Renewable Sources: Innovative Models of Energy Self-Sufficiency through Organic Waste. In: *Energies* 17 (15), S. 3789. DOI: 10.3390/en17153789.

Belmar, Francisco; Baptista, Patrícia; Neves, Diana (2023): Modelling renewable energy communities: assessing the impact of different configurations, technologies and types of participants. In: *Energ Sustain Soc* 13 (1). DOI: 10.1186/s13705-023-00397-1.

Blanke, Julia; Belda Gonzalez, Alberto; D'Oca, Simona; Niederkofler, Michael; Nordlund, Edvard (2022): European small-town Renewable Energy Communities: Participatory design of supporting tools as a vehicle to engage and understand local communities and their energy related concerns. In: *Open Res Europe* 2, S. 129. DOI: 10.12688/openreseurope.15114.1.

Boije af Gennäs Erre, Ellen; Palm, Jenny; Bergek, Anna (2025): Community of place or community of interest: challenging the role of citizen engagement and proximity in energy communities in Sweden. In: *Journal of Cleaner Production* 510, S. 145654. DOI: 10.1016/j.jclepro.2025.145654.

Breitschopf, Barbara (2026): Understanding the role of non-monetary aspects in promoting citizen investment for the energy transition – An exploratory approach. In: *Energy Research & Social Science* 135, S. 104678. DOI: 10.1016/j.erss.2026.104678.

Caferra, Rocco; Colasante, Annarita; D'Adamo, Idiano; Yılan, Gülşah; Lancialonga, Davide (2024): A strategic analysis of renewable energy communities in achieving

sustainable development. In: Utilities Policy 90, S. 101810. DOI: 10.1016/j.jup.2024.101810.

Caputo, Paola; Ferla, Giulio; Mura, Benedetta; Gallo, Vanessa (2025): Integrating technical assessment and stakeholder engagement: A case-based approach to explore thermal renewable energy communities. In: Energy Reports 14, S. 952–963. DOI: 10.1016/j.egyr.2025.07.004.

Casalicchio, Valeria; Barchi, Grazia; Calabria, Francesca; Manzolini, Giampaolo; Prina, Matteo Giacomo; Moser, David (2025): Advancing renewable energy community planning through integrated sector-coupling and economies of scale. In: Applied Energy 395, S. 125942. DOI: 10.1016/j.apenergy.2025.125942.

Cavana, G.; Becchio, C.; Bottero, M. (2025): Feasibility and evolution studies on renewable energy communities in cities. In: Renewable and Sustainable Energy Reviews 213, S. 115477. DOI: 10.1016/j.rser.2025.115477.

Ceglia, Francesca; Marrasso, Elisa; Pallotta, Giovanna; Roselli, Carlo; Sasso, Maurizio (2022): The State of the Art of Smart Energy Communities: A Systematic Review of Strengths and Limits. In: Energies 15 (9), S. 3462. DOI: 10.3390/en15093462.

Chaudhry, Shubhra; Surmann, Arne; Kühn bach, Matthias; Pierie, Frank (2022): Renewable Energy Communities as Modes of Collective Prosumership: A Multi-Disciplinary Assessment Part II—Case Study. In: Energies 15 (23), S. 8936.

Clò, Stefano; Iannucci, Gianluca; Tampieri, Alessandro (2025): Dynamic choice of renewable energy communities: Bottom-up vs top-down organisation. In: Mathematical Social Sciences 137, S. 102412. DOI: 10.1016/j.mathsocsci.2025.102412.

Crowley, Bennevis; Kazempour, Jalal; Mitridati, Lesia (2025): How can energy communities provide grid services? A dynamic pricing mechanism with budget balance, individual rationality, and fair allocation. In: Applied Energy 382, S. 125154. DOI: 10.1016/j.apenergy.2024.125154.

Cumo, F.; Maurelli, P.; Pennacchia, E.; Rosa, F. (2022): Urban Renewable Energy Communities and Energy Poverty: a proactive approach to energy transition with Sun4All project. In: IOP Conf. Ser.: Earth Environ. Sci. 1073 (1), S. 12011. DOI: 10.1088/1755-1315/1073/1/012011.

Deutsche Energie-Agentur GmbH (dena) (Hg.) (2024): Energy Sharing in Deutschland. Vom Konzept zur energiewirtschaftlichen Umsetzung.

Deutsche Energie-Agentur (dena); Future Energy Lab (Hg.) (2025): Leitfaden zur Umsetzung von Energy Sharing Communities in Deutschland.

Dioba, Albina; Giannakopoulou, Amalia; Struthers, David; Stamos, Angelos; Dewitte, Siegfried; Fróes, Isabel (2024): Identifying key barriers to joining an energy community using AHP. In: Energy 299, S. 131478. DOI: 10.1016/j.energy.2024.131478.

Druta, Roxana; Lakatos, Elena; Munteanu, Radu; Cioca, Lucian-Ionel; Ferenci, Sara; Barnisca, Madalina; Puiac, Andrei (2025): Bridging the Gap in Renewable Energy Participation: A Case Study on Energy Communities. In: Processes 13 (8), S. 2632. DOI: 10.3390/pr13082632.

Dudka, Aurore; Moratal, Nuria; Bauwens, Thomas (2023): A typology of community-based energy citizenship: An analysis of the ownership structure and institutional logics of 164 energy communities in France. In: Energy Policy 178, S. 113588. DOI: 10.1016/j.enpol.2023.113588.

Fischer, Beate; Gutsche, Gunnar; Wetzel, Heike (2021): Who wants to get involved? Determining citizen willingness to participate in German renewable energy cooperatives. In: Energy Research & Social Science 76, S. 102013. DOI: 10.1016/j.erss.2021.102013.

Galindo Noguera, Ana Lisbeth; Mendoza Castellanos, Luis Sebastián; Ardila Cruz, Sebastian; Osorio-Gómez, Gilberto (2025): Key aspects and challenges for successful energy communities: A comparative analysis between Latin America and developed countries. In: Renewable and Sustainable Energy Reviews 216, S. 115687. DOI: 10.1016/j.rser.2025.115687.

Gautier, Axel; Jacqmin, Julien; Poudou, Jean-Christophe (2025): The energy community and the grid. In: Resource and Energy Economics 82, S. 101480. DOI: 10.1016/j.reseneeco.2025.101480.

Georgarakis, Elena; Bauwens, Thomas; Pronk, Anne-Marie; AlSkaif, Tarek (2021): Keep it green, simple and socially fair: A choice experiment on prosumers' preferences for peer-to-peer electricity trading in the Netherlands. In: Energy Policy 159, S. 112615. DOI: 10.1016/j.enpol.2021.112615.

Giannuzzo, Lorenzo; Demetrio Minuto, Francesco; Schiera, Daniele Salvatore; Branchetti, Samuele; Petrovich, Carlo; Gessa, Nicola et al. (2025): Assessment of renewable energy communities: A comprehensive review of key performance indicators. In: *Energy Reports* 13, S. 6609–6630. DOI: 10.1016/j.egyr.2025.05.082.

Hackbarth, André; Löbbe, Sabine (2022): 9 - What motivates private households to participate in energy communities? A literature review and German case study. In: Sabine Löbbe, Fereidoon Si-oshansi und David Robinson (Hg.): *Energy Communities*: Academic Press, S. 153–166. Online available under <https://www.sciencedirect.com/science/article/pii/B9780323911351000262>.

Hanke, Florian; Guyet, Rachel; Feenstra, Marielle (2021): Do renewable energy communities deliver energy justice? Exploring insights from 71 European cases. In: *Energy Research & Social Science* 80, S. 102244. DOI: 10.1016/j.erss.2021.102244.

Holstenkamp, Lars; Kahla, Franziska (2016): What are community energy companies trying to accomplish? An empirical investigation of investment motives in the German case. In: *Energy Policy* 97, S. 112–122. DOI: 10.1016/j.enpol.2016.07.010.

Horstink, Lanka; Wittmayer, Julia M.; Ng, Kiat (2021): Pluralising the European energy landscape: Collective renewable energy prosumers and the EU's clean energy vision. In: *Energy Policy* 153, S. 112262. DOI: 10.1016/j.enpol.2021.112262.

Kerscher, Selina; Koirala, Arpan; Arboleya, Pablo (2024): Grid-optimal energy community planning from a systems perspective. In: *Renewable and Sustainable Energy Reviews* 199, S. 114485. DOI: 10.1016/j.rser.2024.114485.

Klagge, Britta; Schmole, Hanna; Seidl, Irmi; Schön, Susanne (2016): Zukunft der deutschen Energie-genossenschaften. In: *RuR* 74 (3). DOI: 10.1007/s13147-016-0398-3.

Kubli, Merla; Puranik, Sanket (2023): A typology of business models for energy communities: Current and emerging design options. In: *Renewable and Sustainable Energy Reviews* 176, S. 113165. DOI: 10.1016/j.rser.2023.113165.

Lazdins, Roberts; Mutule, Anna; Zalostiba, Diana (2021): PV Energy Communities—Challenges and Barriers from a Consumer Perspective: A Literature Review. In: *Energies* 14 (16), S. 4873. DOI: 10.3390/en14164873.

Le Long, Anh Nguyen; Jansma, Sikke R.; Lee, Dasom; Jong, Menno D.T. de (2025): Capital endowments: Explaining energy citizenship using Bourdieu's forms of capital. In: *Energy Research & Social Science* 119, S. 103903. DOI: 10.1016/j.erss.2024.103903.

Lowitzsch, J.; Hoicka, C. E.; van Tulder, F. J. (2020): Renewable energy communities under the 2019 European Clean Energy Package – Governance model for the energy clusters of the future? In: *Re-newable and Sustainable Energy Reviews* 122, S. 109489. DOI: 10.1016/j.rser.2019.109489.

Lowitzsch, Jens; Kreutzer, Kaja; George, Jan; Croonenbroeck, Carsten; Breitschopf, Barbara (2023): Development prospects for energy communities in the EU identifying best practice and future opportunities using a morphological approach. In: *Energy Policy* 174, S. 113414. DOI: 10.1016/j.enpol.2022.113414.

Magalhães, Renan; Narracci, Federico; Lowitzsch, Jens (2025): Crowdfunding and Energy Efficiency Contracting: Exploring New Pathways for Private Investment in Building Renovations. In: *FinTech* 4 (1), S. 6. DOI: 10.3390/fintech4010006.

Mihailova, Darja; Schubert, Iljana; Burger, Paul; Fritz, Morgane M.C. (2022): Exploring modes of sustainable value co-creation in renewable energy communities. In: *Journal of Cleaner Production* 330, S. 129917. DOI: 10.1016/j.jclepro.2021.129917.

Mullen, Helen; Turkson, Charles; Acquaye, Adolf (2024): An examination of motivation factors driving investor behaviours towards socially responsible community energy initiatives. In: *Heliyon* 10 (5), e27490. DOI: 10.1016/j.heliyon.2024.e27490.

Neves, Catarina; Oliveira, Tiago; Karatzas, Stylianos (2025): Citizen participation in local energy communities: A social identity and pro-environmental behaviour joint perspective. In: *Energy and Climate Change* 6 (1), S. 100212. DOI: 10.1016/j.egycc.2025.100212.

Otte, Lukas; Schmid, Lena; Baerens, Tidian; Tomboanjara, Moli; Ahmed, Faiza; Heinz, Boris (2024): An energy transition for all: Investigating determinants of citizen support for energy community initiatives on the island of Mayotte. In: *Energy Research & Social Science* 116, S. 103690. DOI: 10.1016/j.erss.2024.103690.

Palm, Jenny; Kojonsaari, Anna-Riikka; Magnusson, Dick (2025): Toward energy democracy: Municipal energy actions in local renewable energy projects. In: *Energy Research & Social Science* 120, S. 103921. DOI: 10.1016/j.erss.2025.103921.

Ranville, Adélie (2025): Pathways towards member participation in governance of cooperatives: Con-junction of motivations and resources in the case of French community energy. In: *Ann Public Coop Econ* 96 (2), S. 257–299. DOI: 10.1111/apce.12501.

Rego, Nuno; Castro, Rui; Lagarto, João (2025): Sustainable energy trading and fair benefit allocation in renewable energy communities: A simulation model for Portugal. In: *Utilities Policy* 96, S. 101986. DOI: 10.1016/j.jup.2025.101986.

Reis, Inês, F.G.; Gonçalves, Ivo; A.R. Lopes, Marta; Henggeler Antunes, Carlos (2021): Business models for energy communities: A review of key issues and trends. In: *Renewable and Sustainable Energy Reviews* 144, S. 111013. DOI: 10.1016/j.rser.2021.111013.

Ruggiero, Salvatore; Busch, Henner; Isakovic, Aljosa; Hansen, Teis (2021): Community Energy in the Eastern Baltic Sea Region: From Standstill to First Steps. In: Coenen, Frans H. J. M. und Thomas Hoppe (Hg.): *Renewable Energy Communities and the Low Carbon Energy Transition in Europe*. Cham: Springer International Publishing, S. 49–74.

Santos, Jóni Buchinho; Scharnigg, Renée; Monteiro, Jânio; Pacheco, André (2025): Fair shares or smart savings? Exploring business models, justice and efficiency trade-offs in Portuguese energy communities. In: *Energy Research & Social Science* 125, S. 104102. DOI: 10.1016/j.erss.2025.104102.

Schwanitz, Valeria Jana; Wierling, August; Arghandeh Paudler, Heather; Beck, Constantin von; Dufner, Simon; Koren, Ingrid Knutsdotter et al. (2023): Statistical evidence for the contribution of citizen-led initiatives and projects to the energy transition in Europe. In: *Sci Rep* 13 (1). DOI: 10.1038/s41598-023-28504-4.

Shejale, Sharayu; Zhan, Mallory Xinyu; Sahakian, Marlyne; Aleksieva, Remina; Biresselioglu, Mehmet Efe; Bogdanova, Victoria et al. (2025): Participation as a pathway to procedural justice: A review of energy initiatives across eight European countries. In: *Energy Research & Social Science* 122, S. 103982. DOI: 10.1016/j.erss.2025.103982.

Sierro, Fabienne; Moser, Corinne (2025): Can citizen-financed photovoltaic projects support the energy transition? Experimental evidence from Swiss households. In: *Energy Research & Social Science* 123, S. 104035. DOI: 10.1016/j.erss.2025.104035.

Simone, Evelyn de; Rochira, Alessia; Mannarini, Terri (2025a): Individual and community catalysts for Renewable Energy Communities (RECs) development. In: *Current Opinion in Psychology* 62, S. 101987. DOI: 10.1016/j.copsyc.2024.101987.

Simone, Evelyn de; Rochira, Alessia; Procentese, Fortuna; Sportelli, Carmela; Mannarini, Terri (2025b): Psychological and social factors driving citizen involvement in renewable energy communities: A systematic review. In: *Energy Research & Social Science* 124, S. 104067. DOI: 10.1016/j.erss.2025.104067.

Soeiro, Susana; Ferreira Dias, Marta (2020): Renewable energy community and the European energy market: main motivations. In: *Heliyon* 6 (7), e04511. DOI: 10.1016/j.heliyon.2020.e04511.

Vecchi, Francesca; Fardian, Athena Karami; Ranjbar, Saeed; Berardi, Umberto; Eicker, Ursula (2025): Energy remuneration mechanisms for renewable energy communities: Insights from a mixed-use district. In: *Building and Environment* 285, S. 113543. DOI: 10.1016/j.buildenv.2025.113543.

Wierling, August; Zeiss, Jan Pedro; Beck, Constantin von; Schwanitz, Valeria Jana (2022): Business models of energy cooperatives active in the PV sector—A statistical analysis for Germany. In: *PLOS Sustain Transform* 1 (9), e0000029. DOI: 10.1371/journal.pstr.0000029.

Wu, Hangjian; Carroll, James; Denny, Eleanor (2022): Harnessing citizen investment in community-based energy initiatives: A discrete choice experiment across ten European countries. In: *Energy Research & Social Science* 89, S. 102552. DOI: 10.1016/j.erss.2022.102552.

Yiasoumas, Georgios; Berbakov, Lazar; Janev, Valentina; Asmundo, Alessandro; Olabarrieta, Eneko; Vinci, Andrea et al. (2023): Key Aspects and Challenges in the Implementation of Energy Communities. In: *Energies* 16 (12), S. 4703. DOI: 10.3390/en16124703.

Young, Jordan; Halleck Vega, Sol Maria (2024): What is the role of energy communities in tackling energy poverty? Measures, barriers and potential in the

Netherlands. In: Energy Research & Social Science 116, S. 103693. DOI: 10.1016/j.erss.2024.103693.

Žuk, Piotr; Mazač, Jan; Muth, Dániel; Tichý, Lukáš (2025): Energy self-defence against official policy: prosumer motives and tactics in the Czech Republic, Hungary, Poland, and Slovakia. In: Energy Research & Social Science 127, S. 104202. DOI: 10.1016/j.erss.2025.104202.