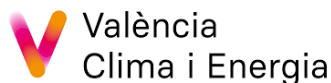




**POWERUP**

The catalyst for social innovation in the energy market

# Scientific production: Putting PowerUP learnings in perspective



## Authors

Saska Petrova, University of Manchester

Ami Crowther, University of Manchester

Eduardo Blanco, Energy Cities

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# Executive summary

This report presents and discusses all scientific outputs which have been inspired and informed by the PowerUP Project. The report is organised in two chapters. Chapter 1 outlines and provides details about the publications that were based on insights from the project. During the project, the University of Manchester team, with contributions from the consortium partners, produced and published 5 scientific deliverables. These publications were fundamental in introducing the learnings and insights from PowerUP pilots into the current scientific debate.

Chapter 2 provides an overview of all presentations and keynote talks given at various scientific events. The team joined 9 different events with a main research perspective. These presentations contributed to the scientific and general EU-level dissemination of PowerUP results.



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# Publications in scientific journals and books

Since the start of the PowerUp project, we have produced five academic outputs, including four papers published in scientific journals and one book chapter, which will be published by the end of 2025. All the scientific production have acknowledged the PowerUP project and the EU funding received.

Table 1 includes all journal articles, and the main ways how PowerUP inspired and provided insights for each one of them. First, the collaboration and the preparation of all pilots provided empirical evidence and insights that inform and advanced the understanding of energy poverty, especially with regards to how to sample, engage with and include households experiencing energy poverty in energy communities and alternative social energy business models. Second, the project gave us multiple opportunities to observe and understand everyday socio-technical and policy obstacles that could hinder the inclusion of households experiencing energy poverty in decentralised, place-based alternative social energy business initiatives and pilots. Third, the PowerUP project advanced our understanding of energy governance and energy community governance.

Table 1: Journal articles and book chapters

Publication	Links with PowerUP	DOI	Citations
Journal article: Koga, H., Bouzarovski, S. & Petrova, S. (2025) Energy democratisation through agrivoltaics? The territorialisation dynamics of community- based energy governance in Japan. <i>Sustain Sci</i> (IF=6.8)	Insights from the PowerUp project informed the theoretical framework and the understanding of 'energy democratisation'	<a href="https://doi.org/10.1007/s11625-025-01634-6">https://doi.org /10.1007/s1162 5-025-01634-6</a>	2
Journal article: Koga, H., Petrova, S., & Bouzarovski, S. (2025) Community-based energy governance and the political: Towards a post-foundational energy democracy. <i>Progress in Environmental Geography</i> 4(1): 24-43.	Insights from the PowerUp project provided starting points to the development of the 'community-based energy governance'	<a href="https://doi.org/10.1177/27539687241307955">https://doi.org /10.1177/27539 687241307955</a>	1
Journal article: Koga, H., Bouzarovski, S., Petrova, S. (2025) Unsettling mainstream academic debates on community-based energy governance: exploring the Japanese experience. <i>Renew Sustain Energy Rev</i> (IF=16.3) 207:114994.	Insights from the PowerUp project provided starting points to the development of the 'community-based energy governance', especially as it is developed in the Global North	<a href="https://doi.org/10.1016/j.rser.2024.114994">https://doi.org /10.1016/j.rser. 2024.114994</a>	4
Journal article: Petrova, S. (2023) Socio-ecological precarity at the juncture of multiple crises. <i>Progress in Human Geography</i> (IF=6.1) 48(1), 35-48.	PowerUp helped the author develop further the concept of 'precarity' as it is linked to energy poverty.	<a href="https://doi.org/10.1177/03091325231213494">https://doi.org /10.1177/03091 325231213494</a>	7
Book chapter: Petrova, S., Crowther, A., Blanco, E. (forthcoming) 'Social energy models for local just transitions: Key challenges and practices' in Ed. De la Torre 'Energy Communities: Fundamentals, Technologies, and Emerging Trends' . Elsevier	This output is based on findings from PowerUp entirely.		





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# **Presentations and keynote talks at scientific events**

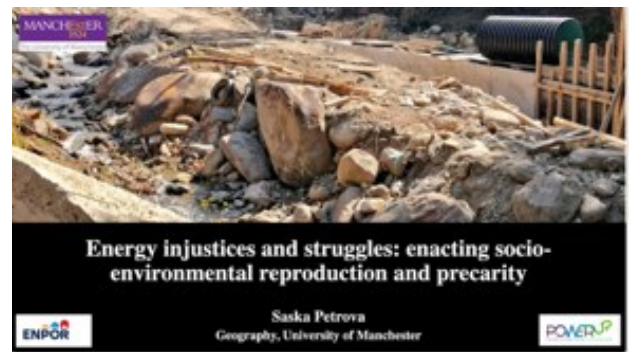


PowerUP inspired and created evidence for nine presentations and keynote talks that were presented at international scientific events. Table 2 outlines the key details of the presentations and the talks.

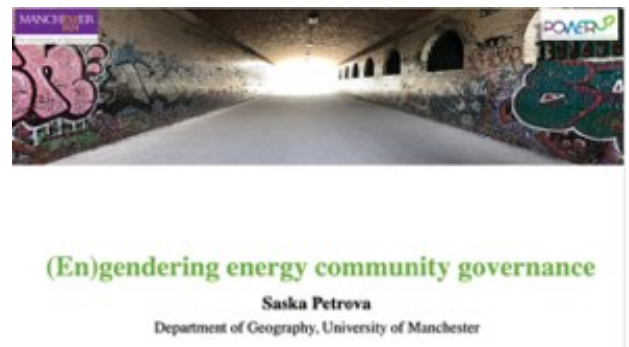
Table 2:

Presentations	Title slide
<p>Petrova S., Ami Crowther and Eduardo Blanco, Invited presentation 'Alternative energy governance models: the (im)possibility for transformation in times of polycrisis' at the 'Polycrisis, resilience, sustainability and social reproduction: Everyday political economies of (un)sustainable lives and futures in late neoliberalism' workshop, UoM, 13 September 2024</p>	
<p>Petrova S. gave a keynote talk on 'Gender, Energy and Justice' at the Annual Meeting of the German Energy Geographies Working Group, online, 6 June 2024</p>	
<p>Saska Petrova (with Ami Crowther) gave a talk on 'Alternative energy governance models: the (im)possibility of transformation', University of Gdansk, Poland 22 May 2024</p>	

Petrova, S. Invited public lecture 'Energy injustices and struggles: enacting socio-environmental reproduction and precarity' at Humboldt University, Germany, October 24th 2023 – as part of the invited and financially support study visit at the IRI THESys, Humboldt University of Berlin

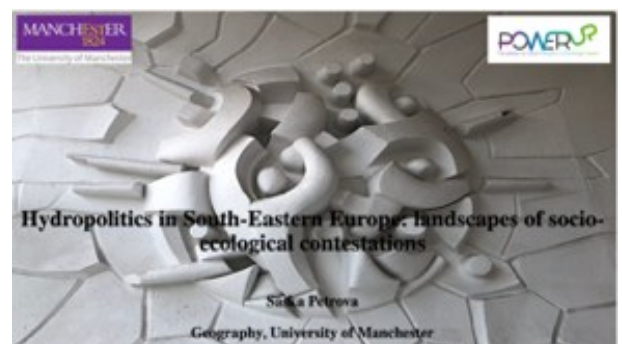


Petrova, S. Invited panellist at the 'Ecologies and Infrastructure in Eastern Europe and the Black Sea' workshop at the University College London, October 19th 2023



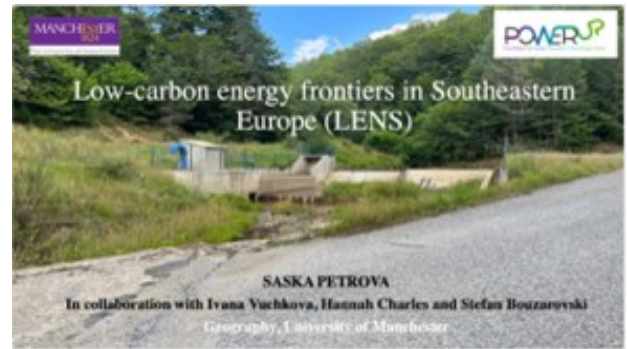
Petrova, S. (with Vanesa Castan Broto and Hita Unnikrishnan - University of Sheffield) co-organised a workshop titled 'Gender Equality and Social Inclusion Workshop' at the University of Sheffield, September 22nd 2023

Petrova, S. Invited presentation 'Hydropower struggles: enacting socio-environmental reproduction and precarity' at the Urban Inhabitation in the Anthropocene conference, University of Sheffield, 25th April 2023



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Petrova, S. Invited presentation 'Low-carbon energy frontiers in Southeastern Europe' at the 'Southeastern Europe Energy Research and Policy' workshop organised by the Energy and People collective, University of Manchester, 28th March 2023



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Petrova, S. Invited talk 'Gender and energy at the resource frontier' at the University of Manchester, 8th March 2023

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