

# Compendium of scientific publications (year 2)

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## **RE-DWELL**

Deliverable 5.14. Compendium of scientific publications (year 2)

Version 1

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## Executive summary

This is a report of the publications made by early-stage researchers between October 2022 and September 2023.

A total of 31 scientific contributions, including conference abstracts, presentations and papers, and journal articles, have been submitted, accepted and/or published during this period. This document contains the list of contributions classified by authors and keywords.

The introductory section includes reflections on the interrelationships between the themes addressed by the publications and the emerging lines of research. In the conclusion, a comparison is drawn with the outcomes of the [previous report \(year 1\)](#), and the relationship with the parallel construction of the RE-DWELL vocabulary is explained. The Annex contains the abstracts of the publications, which are also available in the [project website](#).

# 1. Introduction

This is the second in a series of three compendiums of scientific publications produced by early-stage researchers (ESRs) in the course of their PhD research in the RE-DWELL network. In the second year of activity, 31 conference contributions were made, including presentations (5), posters (1), abstracts (15), papers (5) and journal articles (5) (see Table 1).

The work of the REDWELL network has also included a vocabulary base (see Table 2) and a series of case studies as well as the ESRs providing additional material through blogs and social media posts through their growing networks. The vocabulary base indicates the breadth and diversity of research topics, but also key overarching concerns, most especially “affordable housing” (5 outputs) and “transdisciplinarity” (6 outputs) and multiple aspects of sustainability (9 outputs). These shared themes strongly corroborate the aim of RE-DWELL to provide a platform for a holistic analysis of affordable and sustainable housing, viewed through a transdisciplinary perspective, which transcends disciplinary boundaries and involves experts and non-experts.

The work of the ESRs in the second year shows a geographical range across Europe. The research encompassed: Austria, Croatia, Cyprus, France, Greece, Italy, Netherlands, Portugal, Spain, Sweden and the UK. Comparative analysis was noted in the first-year report as an emerging area, one developed further in the second year of the project. Many of the outputs were comparative in nature, encompassing individual research as well as new collaborations between the ESRs. This includes a collaborative conference paper by four of the ESRs on informality in Southern European contexts. A deeper look at the north-south divide also informs a key aspect of Andreas Panagidis’ work on Cyprus, exploring the importance of a southern perspective in considering the social implications of infrastructure and co-creation at the neighbourhood scale.

This interest in participative practices and active citizen engagement has emerged as a key concern for several of the researchers. Androniki Pappa is looking at the notion of urban commons and citizen partnerships in Bologna, Barcelona and Lisbon, while Carolina Martín is examining participative design in relation to housing customisation through Open Building principles. Effrosyni Roussou approaches the topic from the perspective of architectural education, and how the design studio can be rethought through participatory action research and co-creation that bridge outside of academia into real world scenarios. This work includes a collaborative paper with Pappa comparing educational co-creation projects in Portugal and Cyprus.

Much of this work centres on the neighbourhood scale, but others are applying the idea of participative practice to social housing and sustainability as well. Zoe Tzika is focusing on different models of cooperative housing in Catalonia, including the phenomenon of grant-of-use housing that has emerged recently. And in a collaboration with Saskia Furman, they are analysing Sustainable Assessment Tools to reconsider the interrelation of environmental and social sustainability to help address housing inequality.

This methodological concern for questioning preconceived categories carries into the work of Christophe Verrier, who challenges the idea of fixed definitions by examining how personal experience and varying contexts influence our understandings of social housing as a category. Similarly, Mahmoud Alsaeed is exploring the overlaps and differing methodologies between housing and sustainability research. This interest is used to explore more specific cases,

including a comparison of sustainability standards and the problems of housing association provision in England.

Building on the environmental side of sustainability, Anette Davis is analysing life cycle assessments as applied to industrialised housing design for disassembly. Tijn Croon's research looks at many aspects of energy poverty, including policy frameworks in government and social housing providers in the Netherlands and neighbouring countries. Policy also forms an important background for Alex Fernández's work on the social impacts of Croatian policies for mortgage subsidies. Marko Horvat is also looking at the Croatian context in relation to government policy, homelessness, and social integration.

Moving from these more macro social concerns, others are looking in-depth at the relationship between social sustainability and social housing on the scale of housing design. Aya Elghandour is examining the designer's role in linking health and well-being with affordability in housing, while Leonardo Ricaurte is exploring the social outcomes of housing design features by applying a capabilities approach to post-occupancy evaluation. Anna Martin is researching how trauma-informed design principles can influence social housing, as well as how changing class structures, including the conflicts between marginalised groups and precarious middle earners, are impacting housing provision.

The transdisciplinary nature of this emerging body of work is clear, from efforts to bridge education and academia with real world practice and citizen engagement, to mixed methodologies that draw simultaneously on environmental, economic and social parameters of sustainability, to regional comparisons in relation to neighbourhood design, social housing provision, and government housing policies.

Table 1. ESRs publications

ESR	References	Contribution type
<b>ESR 1</b> <b>Anette Davis</b>	Davis, A., & Quintana, A. (2023, March). <i>Rethinking housing as a kit-of-parts and shearing layers: An LCA approach</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 78-82). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
<b>ESR 2</b> <b>Saskia Furman</b>	Tzika, Z., & Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 73-77). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
<b>ESR 3</b> <b>Christophe Verrier</b>	Verrier, C. (2023, March). <i>Making sense of a new national context in comparative housing: personal and systemic reflections of a researcher's journey in France</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 23-25). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
<b>ESR 4</b> <b>Aya Elghandour</b>	Elghandour, A., & Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing</i> . In 21st ISQOLS Annual Conference, Rotterdam, the Netherlands.	Conference poster
	Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective</i> . In: Schweiker, M. et al. (Eds.), Proceedings of Healthy Buildings 2023 Europe (pp. 482-484). Aachen, Germany.	Conference extended abstract
<b>ESR 5</b> <b>Mahmoud Alsaeed</b>	Alsaeed, M., Hadjri, K., & Nawratek, K. (2024, March). <i>A comparative analysis of UK sustainable housing standards</i> . In 7th Residential Building Design & Construction Conference, Pennsylvania, USA.	Conference paper
	Alsaeed, M., & Hadjri, K. (2023, March). <i>A systematic approach to mapping social housing challenges</i> . In Housing Studies Association Annual Conference 2023, Sheffield, United Kingdom.	Conference abstract
	Alsaeed, M., Hadjri, K., & Nawratek, K. (2023, March). <i>Mode 2 Science: Exploring a common ground of knowledge production in the fields of housing and sustainability</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 9-14).	Conference abstract



	Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	
<b>ESR 6</b> <b>Marko Horvat</b>	Haffner, M., Horvat, M., & van Bortel, G. (2023, June). <i>The Comeback of the Dutch Social Landlords? History and Future Perspectives</i> . In European Network for Housing Research (ENHR) Conference 2023, Lodz, Poland.	Conference paper
	Horvat, M., & Bežovan, G. (2023, May). <i>Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia</i> . In Tomić-Koludrović, I. et al. (Eds.), Book of Abstracts, 9th National Sociological Congress of the Croatian Sociological Society (pp. 38-39), Split, Croatia. <a href="http://hsd.hr/wp-content/uploads/sites/598/2023/05/Knjiga-sazetaka-2023.pdf">http://hsd.hr/wp-content/uploads/sites/598/2023/05/Knjiga-sazetaka-2023.pdf</a>	Conference abstract
	Bežovan, G., Baturina, D., & Horvat, M. (2023). Evolution and evaluation of the state of social rights of the homeless in Croatia. <i>Criminology &amp; Social Integration</i> , 31 (1), 55-77. <a href="https://doi.org/10.31299/ksi.31.1.3">https://doi.org/10.31299/ksi.31.1.3</a>	Journal article
<b>ESR 7</b> <b>Anna Martin</b>	Martin, A. (2023, December). <i>Housing and Healing: The role of trauma informed design in the supportive housing sector</i> . In Transformative Change in the Contested Fields of Care and Housing in Europe, Linz, Austria.	Conference paper
	Martin, A. (2023, June). <i>Clashing Vulnerabilities for the right to adequate housing. Marginalized groups vs. middle-income groups in a precarious housing situation</i> . In Clashing Vulnerabilities, Uppsala, Sweden.	Conference paper
<b>ESR 8</b> <b>Andreas Panagidis</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts</i> . In KAEBUP 2023 Conference, Nicosia, Cyprus.	Conference presentation
	Panagidis, A., & Charalambous, N. (2023, March). <i>Co-creation from the South: The case of Cyprus</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 54-57). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
	Panagidis, A. (2022, August). <i>Configurations of Fragmented Infrastructure: The case of Nicosia situated at the Global North-South interface</i> . In RC21 Conference: Ordinary Cities in Exceptional Times, Athens, Greece.	Conference abstract

<b>ESR 9</b> <b>Effrosyni Roussou</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts</i> . In KAEBUP 2023 Conference, Nicosia, Cyprus.	
	Panayi, C., Roussou, E., & Charalambous, N. (2023, August). <i>Fostering transdisciplinarity and co-creation in architecture: from research to teaching and vice versa</i> . In EAAE Annual conference 2023 School of Architecture(s), Turin, Italy.	Conference paper
	Roussou, E., & Pappa, A. (2023, May). <i>From teaching the commons to commoning teaching: towards a reflexive architectural education</i> . In SMOOTH: Educational Commons and Active Social Inclusion Conference, Volos, Greece.	Conference abstract
	Roussou, E., & Charalambous, N. (2023, March). <i>On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 37-40). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
<b>ESR 10</b> <b>Zoe Tzika</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts</i> . In KAEBUP 2023 Conference, Nicosia, Cyprus.	Conference presentation
	Tzika, Z., & Sentieri, C. (2023, June). <i>Understanding community participation in cooperative housing using the capabilities approach</i> . In European Network for Housing Research (ENHR) Conference 2023, Lodz, Poland.	Conference presentation
	Tzika, Z., & Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 73-77). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
	Tzika, Z., Sentieri, C., & Martinez, A. (2023). <i>Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia</i> . Revista de Arquitectura.	Journal article
<b>ESR 11</b> <b>Tijn Croon</b>	Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands</i> . Building Research & Information.	Journal article (Q1)

	Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., & Mulder, P. (2023). <i>Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design</i> . Energy Policy, 177, 113579.	Journal article (Q1)
	Croon, T., Hoekstra, J., & Dubois, U. (2023, March). <i>Energy poverty alleviation in social housing: Prototyping policies with practitioners</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 15-18). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract
	Croon, T. (2022, August-September). <i>The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe</i> . In NHRC & WG Energy Efficiency, ENHR 2022, Barcelona, Spain.	Conference presentation
<b>ESR 12</b> <b>Alex Fernández</b>	Fernández, A., & Bežovan, G. (2023, May). <i>Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK</i> . In Tomić-Koludrović, I. et al. (Eds.), Book of Abstracts, 9th National Sociological Congress of the Croatian Sociological Society (pp. 35-36), Split, Croatia. <a href="http://hsd.hr/wp-content/uploads/sites/598/2023/05/Knjiga-sazetaka-2023.pdf">http://hsd.hr/wp-content/uploads/sites/598/2023/05/Knjiga-sazetaka-2023.pdf</a>	Conference abstract
	Fernández, A., & Bežovan, G. (2023). <i>The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK</i> . Critical Housing Analysis, 10(1), 50-65. <a href="https://dx.doi.org/10.13060/23362839.2023.10.1.553">https://dx.doi.org/10.13060/23362839.2023.10.1.553</a>	Journal article (Q2)
<b>ESR 13</b> <b>Androniki Pappa</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts</i> . In KAEBUP 2023 Conference, Nicosia, Cyprus.	Conference presentation
	Pappa, A. (2023, May). <i>Urban commons and the City: Framing the urban commons through institutional policies of public-civic collaboration</i> . In 8th Colóquio Arquitetura dos Territórios Metropolitanos Contemporâneos 2023, Lisbon, Portugal.	Conference presentation
	Roussou, E., & Pappa, A. (2023, May). <i>From teaching the commons to commoning teaching: towards a reflexive architectural education</i> . In SMOOTH: Educational Commons and Active Social Inclusion Conference, Volos, Greece.	Conference abstract
	Pappa, A., & Paio, A. (2023, March). <i>Local partnerships and urban governance: The case of Lisbon</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 58-61).	Conference abstract

	Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	
<b>ESR 14</b> <b>Carolina Martín</b>	Martín, C. (2023). <i>Open Building as a design approach for housing customisation</i> . In 8th Colóquio Arquitetura dos Territórios Metropolitanos Contemporâneos 2023, Lisbon, Portugal.	Conference presentation
<b>ESR 15</b> <b>Leonardo Ricaurte</b>	Ricaurte, L. (2023, March). <i>New approaches to post-occupancy Evaluation: Unveiling the social value of housing design</i> . In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 32-36). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <a href="https://doi.org/10.5281/zenodo.7705327">https://doi.org/10.5281/zenodo.7705327</a>	Conference abstract

Table 2. Keywords and publications

<b>Active citizenship</b>	Panagidis, A., & Charalambous, N. (2023, March). <i>Co-creation from the South: The case of Cyprus.</i>
<b>Adequate housing</b>	Martin, A. (2023, June). <i>Clashing Vulnerabilities for the right to adequate housing. Marginalized groups vs. middle-income groups in a precarious housing situation.</i>
<b>Affordable housing / housing affordability</b>	Davis, A., & Quintana, A. (2023, March). <i>Rethinking housing as a kit-of-parts and shearing layers: An LCA approach.</i>  Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective.</i>  Elghandour, A., & Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing.</i>  Haffner, M., Horvat, M., & van Bortel, G. (2023, June). <i>The Comeback of the Dutch Social Landlords? History and Future Perspectives.</i>  Tzika, Z., Sentieri, C., & Martinez, A. (2023). <i>Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia.</i>
<b>Agency</b>	Tzika, Z., & Sentieri, C. (2023, June). <i>Understanding community participation in cooperative housing using the capabilities approach.</i>
<b>Approach</b>	Alsaeed, M., & Hadjri, K. (2023, March). <i>A systematic approach to mapping social housing challenges.</i>
<b>Architectural geography</b>	Ricaurte, L. (2023, March). <i>New approaches to post-occupancy Evaluation: Unveiling the social value of housing design.</i>
<b>Built environment</b>	Martin, A. (2023, December). <i>Housing and Healing: The role of trauma informed design in the supportive housing sector.</i>  Tzika, Z., & Sentieri, C. (2023, June). <i>Understanding community participation in cooperative housing using the capabilities approach.</i>
<b>Case study</b>	Tzika, Z., & Sentieri, C. (2023, June). <i>Understanding community participation in cooperative housing using the capabilities approach.</i>
<b>Civil organisations</b>	Horvat, M., & Bežovan, G. (2023, May). <i>Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia.</i>
<b>Clashing vulnerabilities</b>	Martin, A. (2023, June). <i>Clashing Vulnerabilities for the right to adequate housing. Marginalized groups vs. middle-income groups in a precarious housing situation.</i>

<b>Co-creation</b>	Croon, T., Hoekstra, J., & Dubois, U. (2023, March). <i>Energy poverty alleviation in social housing: Prototyping policies with practitioners.</i>
<b>Collective housing</b>	Tzika, Z., Sentieri, C., & Martinez, A. (2023). <i>Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia.</i>
<b>Commons</b>	Roussou, E., & Charalambous, N. (2023, March). <i>On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden.</i>  Roussou, E., & Pappa, A. (2023, May). <i>From teaching the commons to commoning teaching: towards a reflexive architectural education.</i>
<b>Communal living</b>	Tzika, Z., Sentieri, C., & Martinez, A. (2023). <i>Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia.</i>
<b>Community</b>	Tzika, Z., Sentieri, C., & Martinez, A. (2023). <i>Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia.</i>
<b>Community-engaged design</b>	Panayi, C., Roussou, E., & Charalambous, N. (2023, August). <i>Fostering transdisciplinarity and co-creation in architecture: from research to teaching and vice versa.</i>
<b>Comparative housing policies</b>	Verrier, C. (2023, March). <i>Making sense of a new national context in comparative housing: personal and systemic reflections of a researcher's journey in France.</i>
<b>Cradle-to-Cradle</b>	Davis, A., & Quintana, A. (2023, March). <i>Rethinking housing as a kit-of-parts and shearing layers: An LCA approach.</i>
<b>Design</b>	Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective.</i>  Elghandour, A., & Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing.</i>
<b>Design and build pedagogy</b>	Roussou, E., & Charalambous, N. (2023, March). <i>On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden.</i>
<b>Design for disassembly</b>	Davis, A., & Quintana, A. (2023, March). <i>Rethinking housing as a kit-of-parts and shearing layers: An LCA approach.</i>
<b>East European housing</b>	Fernández, A., & Bežovan, G. (2023). <i>The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>

<b>Energy poverty</b>	<p>Croon, T. (2022, August-September). <i>The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe</i>.</p> <p>Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands</i>.</p> <p>Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., &amp; Mulder, P. (2023). <i>Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design</i>.</p> <p>Croon, T., Hoekstra, J., &amp; Dubois, U. (2023, March). <i>Energy poverty alleviation in social housing: Prototyping policies with practitioners</i>.</p>
<b>Energy transition</b>	<p>Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., &amp; Mulder, P. (2023). <i>Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design</i>.</p> <p>Croon, T. (2022, August-September). <i>The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe</i>.</p>
<b>England / UK housing</b>	<p>Alsaeed, M., &amp; Hadjri, K. (2023, March). <i>A systematic approach to mapping social housing challenges</i>.</p> <p>Alsaeed, M., Hadjri, K., &amp; Nawratek, K. (2024, March). <i>A comparative analysis of UK sustainable housing standards</i>.</p> <p>Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands</i>.</p> <p>Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective</i>.</p> <p>Elghandour, A., &amp; Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing</i>.</p>
<b>Environmental sustainability</b>	<p>Tzika, Z., &amp; Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators</i>.</p>
<b>Evidence-based research</b>	<p>Pappa, A., Tzika, Z., Roussou, E., &amp; Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts</i>.</p>
<b>Financialization</b>	<p>Fernández, A., &amp; Bežovan, G. (2023, May). <i>Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK</i>.</p>

<b>Fit-out systems</b>	Martín, C. (2023). <i>Open Building as a design approach for housing customisation.</i>
<b>Flexible design</b>	Martín, C. (2023). <i>Open Building as a design approach for housing customisation.</i>
<b>Fuel poverty</b>	Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., & Mulder, P. (2023). <i>Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design.</i>  Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>
<b>France</b>	Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>
<b>Growth regime</b>	Fernández, A., & Bežovan, G. (2023, May). <i>Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>
<b>Health and wellbeing</b>	Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective.</i>  Elghandour, A., & Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing.</i>
<b>Home ownership</b>	Fernández, A., & Bežovan, G. (2023). <i>The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>
<b>Homeless</b>	Bežovan, G., Baturina, D., & Horvat, M. (2023). <i>Evolution and evaluation of the state of social rights of the homeless in Croatia.</i>  Horvat, M., & Bežovan, G. (2023, May). <i>Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia.</i>
<b>Household health</b>	Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective.</i>  Elghandour, A., & Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing.</i>
<b>Housing</b>	Alsaeed, M., & Hadjri, K. (2023, March). <i>A systematic approach to mapping social housing challenges.</i>  Bežovan, G., Baturina, D., & Horvat, M. (2023). <i>Evolution and evaluation of the state of social rights of the homeless in Croatia.</i>



<b>Housing allocation</b>	Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>
<b>Housing associations</b>	Haffner, M., Horvat, M., & van Bortel, G. (2023, June). <i>The Comeback of the Dutch Social Landlords? History and Future Perspectives.</i>
<b>Housing customisation</b>	Martín, C. (2023). <i>Open Building as a design approach for housing customisation.</i>
<b>Housing crises</b>	Martin, A. (2023, June). <i>Clashing Vulnerabilities for the right to adequate housing. Marginalized groups vs. middle-income groups in a precarious housing situation.</i>
<b>Housing design</b>	Ricaurte, L. (2023, March). <i>New approaches to post-occupancy Evaluation: Unveiling the social value of housing design.</i>
<b>Housing economics</b>	Fernández, A., & Bežovan, G. (2023). <i>The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>
<b>Housing finance</b>	Fernández, A., & Bežovan, G. (2023). <i>The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>
<b>Housing policy</b>	Croon, T. (2022, August-September). <i>The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe.</i>  Fernández, A., & Bežovan, G. (2023, May). <i>Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>
<b>Housing research</b>	Alsaeed, M., Hadjri, K., & Nawratek, K. (2023, March). <i>Mode 2 Science: Exploring a common ground of knowledge production in the fields of housing and sustainability.</i>
<b>Housing studies</b>	Verrier, C. (2023, March). <i>Making sense of a new national context in comparative housing: personal and systemic reflections of a researcher's journey in France.</i>
<b>Industrialised construction</b>	Davis, A., & Quintana, A. (2023, March). <i>Rethinking housing as a kit-of-parts and shearing layers: An LCA approach.</i>
<b>Informal urbanism</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts.</i>

<b>Knowledge production and transfer</b>	Alsaeed, M., Hadjri, K., & Nawratek, K. (2023, March). <i>Mode 2 Science: Exploring a common ground of knowledge production in the fields of housing and sustainability.</i>
<b>Life Cycle Assessment</b>	Davis, A., & Quintana, A. (2023, March). <i>Rethinking housing as a kit-of-parts and shearing layers: An LCA approach.</i>
<b>Live studio</b>	Roussou, E., & Charalambous, N. (2023, March). <i>On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden.</i>  Panayi, C., Roussou, E., & Charalambous, N. (2023, August). <i>Fostering transdisciplinarity and co-creation in architecture: from research to teaching and vice versa.</i>
<b>Local partnerships</b>	Pappa, A., & Paio, A. (2023, March). <i>Local partnerships and urban governance: The case of Lisbon.</i>
<b>Mode 2 Science</b>	Alsaeed, M., Hadjri, K., & Nawratek, K. (2023, March). <i>Mode 2 Science: Exploring a common ground of knowledge production in the fields of housing and sustainability.</i>
<b>Mortgage subsidy</b>	Fernández, A., & Bežovan, G. (2023, May). <i>Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i>
<b>Netherlands</b>	Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>
<b>Open building</b>	Martín, C. (2023). <i>Open Building as a design approach for housing customisation.</i>
<b>Participation</b>	Tzika, Z., Sentieri, C., & Martinez, A. (2023). <i>Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia.</i>
<b>Participatory budget</b>	Pappa, A., & Paio, A. (2023, March). <i>Local partnerships and urban governance: The case of Lisbon.</i>
<b>Pestoff</b>	Haffner, M., Horvat, M., & van Bortel, G. (2023, June). <i>The Comeback of the Dutch Social Landlords? History and Future Perspectives.</i>
<b>Planning</b>	Panagidis, A. (2022, August). <i>Configurations of Fragmented Infrastructure: The case of Nicosia situated at the Global North-South interface.</i>
<b>Policy</b>	Pappa, A. (2023, May). <i>Urban commons and the City: Framing the urban commons through institutional policies of public-civic collaboration.</i>

<b>Policy prototyping</b>	Croon, T., Hoekstra, J., & Dubois, U. (2023, March). <i>Energy poverty alleviation in social housing: Prototyping policies with practitioners.</i>
<b>Post-occupancy evaluation</b>	Ricaurte, L. (2023, March). <i>New approaches to post-occupancy Evaluation: Unveiling the social value of housing design.</i>
<b>Poverty gap</b>	Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., & Mulder, P. (2023). <i>Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design.</i>
<b>Public-civic collaboration</b>	Pappa, A. (2023, May). <i>Urban commons and the City: Framing the urban commons through institutional policies of public-civic collaboration.</i>
<b>Quality of life</b>	Ricaurte, L. (2023, March). <i>New approaches to post-occupancy Evaluation: Unveiling the social value of housing design.</i>
<b>Renovation</b>	Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>
<b>Rent setting</b>	Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>
<b>Risk society</b>	Martin, A. (2023, June). <i>Clashing Vulnerabilities for the right to adequate housing. Marginalized groups vs. middle-income groups in a precarious housing situation.</i>
<b>Service providers</b>	Horvat, M., & Bežovan, G. (2023, May). <i>Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia.</i>
<b>Social exclusion</b>	Bežovan, G., Baturina, D., & Horvat, M. (2023). <i>Evolution and evaluation of the state of social rights of the homeless in Croatia.</i>
<b>Social housing</b>	Croon, T., Hoekstra, J., & Dubois, U. (2023, March). <i>Energy poverty alleviation in social housing: Prototyping policies with practitioners.</i>  Croon, T. (submitted). <i>Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands.</i>  Haffner, M., Horvat, M., & van Bortel, G. (2023, June). <i>The Comeback of the Dutch Social Landlords? History and Future Perspectives.</i>
<b>Social integration</b>	Horvat, M., & Bežovan, G. (2023, May). <i>Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia.</i>
<b>Social policies</b>	Bežovan, G., Baturina, D., & Horvat, M. (2023). <i>Evolution and evaluation of the state of social rights of the homeless in Croatia.</i>

<b>Social policy</b>	Croon, T. (2022, August-September). <i>The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe.</i>
<b>Social rental</b>	Haffner, M., Horvat, M., & van Bortel, G. (2023, June). <i>The Comeback of the Dutch Social Landlords? History and Future Perspectives.</i>
<b>Social rights</b>	Bežovan, G., Baturina, D., & Horvat, M. (2023). <i>Evolution and evaluation of the state of social rights of the homeless in Croatia.</i>
<b>Social service</b>	Horvat, M., & Bežovan, G. (2023, May). <i>Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia.</i>
<b>Social sustainability</b>	Tzika, Z., & Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators.</i>
<b>Social value</b>	Ricaurte, L. (2023, March). <i>New approaches to post-occupancy Evaluation: Unveiling the social value of housing design.</i>
<b>Socio-spatial process</b>	Tzika, Z., & Sentieri, C. (2023, June). <i>Understanding community participation in cooperative housing using the capabilities approach.</i>
<b>Southern Europe</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts.</i>
<b>Spatial agency</b>	Roussou, E., & Charalambous, N. (2023, March). <i>On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden.</i>
<b>Spatial negotiation</b>	Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). <i>Informality as evidence: ethnographic insights from Southern European contexts.</i>
<b>Supportive housing</b>	Martin, A. (2023, December). <i>Housing and Healing: The role of trauma informed design in the supportive housing sector.</i>
<b>Sustainability</b>	Martín, C. (2023). <i>Open Building as a design approach for housing customisation.</i>
<b>Sustainability practices</b>	Panayi, C., Roussou, E., & Charalambous, N. (2023, August). <i>Fostering transdisciplinarity and co-creation in architecture: from research to teaching and vice versa.</i>
<b>Sustainability research</b>	Alsaeed, M., Hadjri, K., & Nawratek, K. (2023, March). <i>Mode 2 Science: Exploring a common ground of knowledge production in the fields of housing and sustainability.</i>

<b>Sustainable housing</b>	<p>Alsaeed, M., Hadjri, K., &amp; Nawratek, K. (2024, March). <i>A comparative analysis of UK sustainable housing standards.</i></p> <p>Tzika, Z., &amp; Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators.</i></p>
<b>Sustainable measurement frameworks</b>	<p>Tzika, Z., &amp; Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators.</i></p>
<b>Sustainability standards</b>	<p>Alsaeed, M., Hadjri, K., &amp; Nawratek, K. (2024, March). <i>A comparative analysis of UK sustainable housing standards.</i></p>
<b>Targeted policy</b>	<p>Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., &amp; Mulder, P. (2023). <i>Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design.</i></p> <p>Croon, T. (2022, August-September). <i>The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe.</i></p>
<b>Total Quality Assessment</b>	<p>Tzika, Z., &amp; Furman, S. (2023, March). <i>Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators.</i></p>
<b>Transdisciplinarity</b>	<p>Alsaeed, M., &amp; Hadjri, K. (2023, March). <i>A systematic approach to mapping social housing challenges.</i></p> <p>Elghandour, A. (2023, June). <i>Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective.</i></p> <p>Elghandour, A., &amp; Hadjri, K. (2023, August). <i>Rethinking housing affordability to advocate the design for health and wellbeing.</i></p> <p>Martin, A. (2023, December). <i>Housing and Healing: The role of trauma informed design in the supportive housing sector.</i></p> <p>Panayi, C., Roussou, E., &amp; Charalambous, N. (2023, August). <i>Fostering transdisciplinarity and co-creation in architecture: from research to teaching and vice versa.</i></p> <p>Roussou, E., &amp; Charalambous, N. (2023, March). <i>On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden.</i></p>
<b>Trauma-informed design</b>	<p>Martin, A. (2023, December). <i>Housing and Healing: The role of trauma informed design in the supportive housing sector.</i></p>
<b>Urban commons</b>	<p>Pappa, A. (2023, May). <i>Urban commons and the City: Framing the urban commons through institutional policies of public-civic collaboration.</i></p>

<b>Urban governance</b>	<p>Panagidis, A., &amp; Charalambous, N. (2023, March). <i>Co-creation from the South: The case of Cyprus.</i></p> <p>Pappa, A., &amp; Paio, A. (2023, March). <i>Local partnerships and urban governance: The case of Lisbon.</i></p>
<b>Urban infrastructure</b>	<p>Panagidis, A. (2022, August). <i>Configurations of Fragmented Infrastructure: The case of Nicosia situated at the Global North-South interface.</i></p>
<b>Urban Living Labs</b>	<p>Panagidis, A., &amp; Charalambous, N. (2023, March). <i>Co-creation from the South: The case of Cyprus.</i></p>
<b>Urban regeneration</b>	<p>Pappa, A., &amp; Paio, A. (2023, March). <i>Local partnerships and urban governance: The case of Lisbon.</i></p>
<b>Welfare policy</b>	<p>Fernández, A., &amp; Bežovan, G. (2023). <i>The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i></p>
<b>Welfare state</b>	<p>Fernández, A., &amp; Bežovan, G. (2023, May). <i>Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK.</i></p>
<b>Wellbeing psychologically informed</b>	<p>Martin, A. (2023, December). <i>Housing and Healing: The role of trauma informed design in the supportive housing sector.</i></p>

## 2. Dissemination

The abstracts included in the Annex of this report have been published on the project website section “Dissemination: Publications” (Figure 1). Each publication on the website contains the abstract and keywords, as well as associated concepts, case studies and blog posts. In addition, a relational graph shows the links between the publication and the related items (Figure 2).

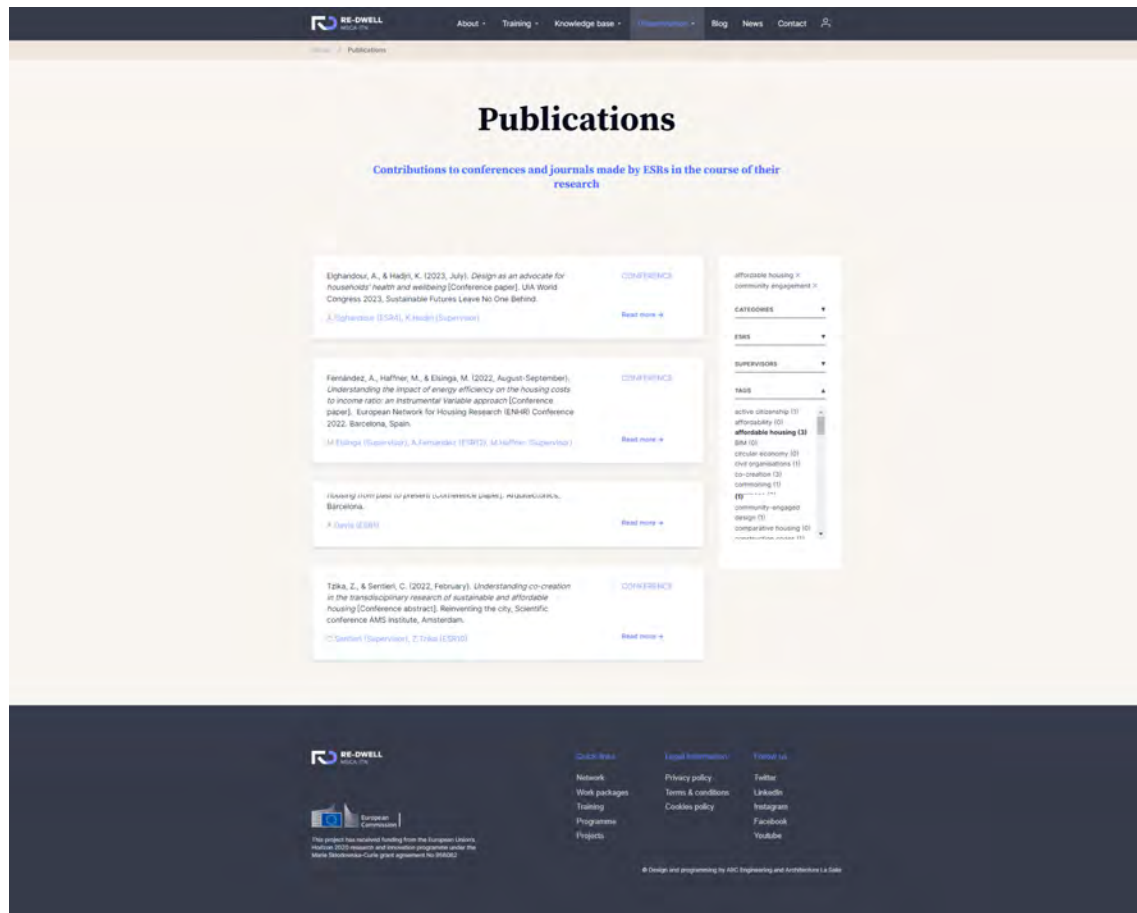


Figure 1. View of Publications in RE-DWELL website

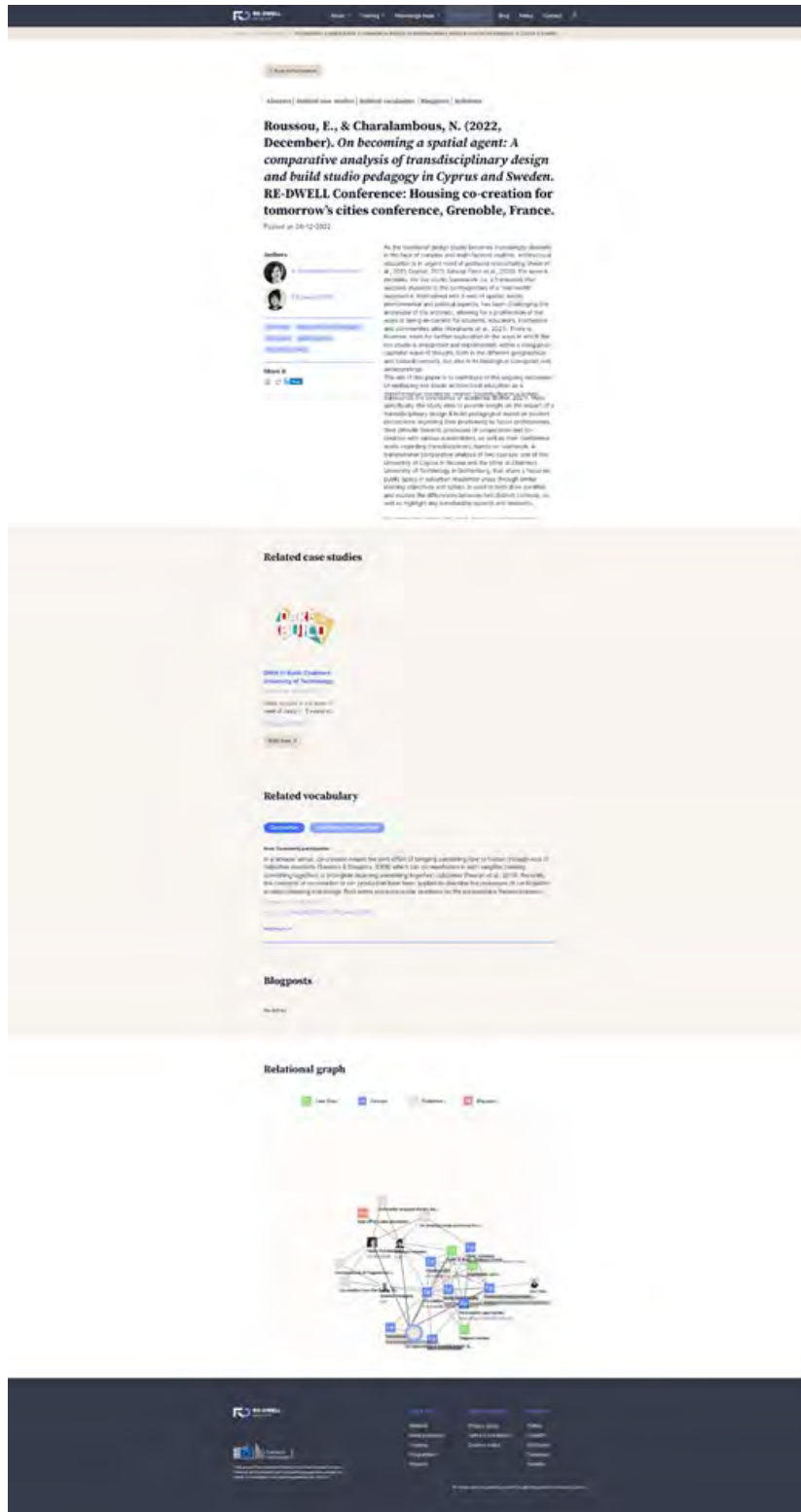


Figure 2. View of a publication on the RE-DWELL website



### 3. Conclusions

The number of publications produced in this second year (31) has kept at the level of the previous one (34). There has been an increased in number of publications co-authored by various ESRs, one in previous year, three in the second. The deepening of the ESRs' research is reflected in the number of published articles, with five in this second year, two of which are Q1, and one is Q2.

With regard to the keywords used in the publications, a comparison of Table 2 in the [first](#) and second-year reports reveals an evolution in the terms employed, indicating shifts in research focus or emphasis. Some concepts have remained and become more consolidated, including key concepts for RE-DWELL research as “affordability”, “sustainability” and “transdisciplinarity”, as well as others: “co-creation”, “design-for-disassembly”, “energy poverty”, “energy transition”, “industrialized construction”, “life-cycle assessment”, “quality of life”, and “post-occupancy evaluation”. There have a set of terms emerging in the second year clearly focusing on social (“social exclusion”, “social integration”, “social policies”) and psychological aspects (“trauma-informed design”, “well-being psychological informed”); in financing (“financialization”, “housing economics”, “housing finance”, “mortgage subsidy”) and policies (“rent setting”, “social rental”, “public-civic collaboration”), and in design and building (“open building”). Other terms dealing with research methodologies have been used, such as “evidence-based research” and “total quality assessment”, which reflects a greater awareness of researchers to methodological issues.

In parallel to the publications, ESRs have continued with the collaborative construction of the RE-DWELL vocabulary. Some of the keywords used in the publications have been developed in the entries published in the last year, among them: [“affordability”](#), [“building decarbonisation”](#), [“collaborative governance”](#), [“community-led housing”](#), [“energy poverty”](#), [“energy retrofit”](#), [“housing affordability”](#), [“housing allowance”](#), [“indoor thermal comfort”](#), [“industrialized construction”](#), [“measuring affordability”](#), [“open building”](#), [“path dependence”](#), [“performance gap in retrofit”](#), [“placemaking”](#), [“post-occupancy evaluation”](#), [“public-civic partnership”](#), [“social value”](#), [“trauma-informed design”](#), and [“window guidance”](#),

## Annex 1 – Abstracts

**Alsaeed, M., & Hadjri, K. (2023, March). *A systematic approach to mapping social housing challenges*. In Housing Studies Association Annual Conference 2023, Sheffield, United Kingdom.**

**Abstract:** The provision of social housing is a complex process with fundamental environmental, social and economic challenges facing housing associations in England. Despite the growing attention given to identifying and resolving these challenges, some of the results so far are fragmented. In addition, housing associations' responses are often described as uncertain and lacking transdisciplinary integration.

This research argues that solving problems in social housing requires a rigorous and systematic approach that identifies, maps and classifies these problems from a transdisciplinary perspective. This is in order to establish the ramifications of the problems across all disciplines involved in the different phases of housing provision.

A literature-based examination was used to identify the development processes and associated problems by discipline. This served as the basis for semi-structured interviews with key actors from housing associations in England to identify the most current and pressing issues in housing provision from a transdisciplinary perspective.

The resulting evidence-based and theoretically informed results and mapping comprise a trilogy of methodological, practical and organisational issues. A binary structured approach was proposed to contribute to the theoretical debates on social housing and to identify the links between the issues and the disciplines involved. The practical component is intended to guide housing associations to assess the challenges and impacts at different stages of development from a transdisciplinary perspective. In addition, this approach could be further developed as a comprehensive framework to include praxis recommendations to address the issues faced by housing developers.

### References:

Arjen, Y. (2015). *Assessing and Measuring Environmental Impact and Sustainability*. Elsevier, 221.

Berardi, U. (2012). Sustainability assessment in the construction sector: rating systems and rated buildings. *Sustainable Development*, 20(6), 411-424.

BRAC. (2010). *The Building Regulations 2010*. London Building Regulations Advisory Committee

BRAC. (2017). *Regulation 18(3), The Town and Country Planning (Environmental Impact Assessment)*. London: Building Regulations Advisory Committee

BRE. (2016). All about BREEAM. Retrieved from <https://bregroup.com/buzz/all-about-breeam/#:~:text=Since%20its%20launch%20in%201990,of%20quality%20for%20sustainable%20construction.>

BRE. (2018). *Home Quality Mark ONE*. London: BRE Global Limited

Carter, K., & Fortune, C. (2007). Sustainable development policy perceptions and practice in the UK social housing sector. *Construction Management and Economics*, 25(4), 399-408.

DBEIS. (2013). *Standard Assessment Procedure*. December, 2021. Retrieved from <https://www.gov.uk/guidance/standard-assessment-procedure>

DBEIS. (2020). *Energy Consumption in the UK (ECUK) 1970 to 2019* Retrieved from London: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/1020152/2020\\_Energy\\_Consumption\\_in\\_the\\_UK\\_\\_ECUK\\_.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1020152/2020_Energy_Consumption_in_the_UK__ECUK_.pdf)

- DEFRA. (2005). The UK Government Sustainable Development Strategy. London: The National Archives Retrieved from [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/69412/pb10589-securing-the-future-050307.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/69412/pb10589-securing-the-future-050307.pdf)
- DEFRA. (2013). Sustainable Development Indicators. London: The National Archives Retrieved from [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/223992/0\\_SDI\\_s\\_final\\_\\_2\\_.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/223992/0_SDI_s_final__2_.pdf)
- DLUHC. (2014). Energy Performance of Buildings Certificates: glossary. Retrieved from [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/989190/Energy\\_Performance\\_of\\_Buildings\\_Certificates\\_-\\_glossary.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/989190/Energy_Performance_of_Buildings_Certificates_-_glossary.pdf)
- EAC. (2013). Codes for Sustainable Homes (CSH) and the housing standards review. London: House of Commons. Retrieved from <https://publications.parliament.uk/pa/cm201314/cmselect/cmenvaud/192/192.pdf>
- Ehrlich, P. R., & Holdren, J. P. (1971). Impact of Population Growth: Complacency concerning this component of man's predicament is unjustified and counterproductive. *Science*, 171(3977), 1212-1217.
- Ferwati, M. S., Alsaeed, M., Shafaghat, A., & Keyvanfar, A. (2019). Qatar Sustainability Assessment System (QSAS)-Neighborhood Development (ND) Assessment Model: Coupling green urban planning and green building design. *Journal of building engineering*, 22, 171-180. doi: <https://doi.org/10.1016/j.jobe.2018.12.006>
- Granath Hansson, A., & Lundgren, B. (2019). Defining social housing: A discussion on the suitable criteria. *Housing, Theory and Society*, 36(2), 149-166.
- Harriott, S., Matthews, L., & Grainger, P. (2004). *Introducing social housing*. London: Chartered Institute of Housing.
- HMSO. (1985). *The Housing Associations Act 1985: Chapter 69*. London: Her Majesty's Stationery Office Retrieved from <https://www.legislation.gov.uk/ukpga/1985/69/2020-02-25>
- James, P. (2014). *Urban sustainability in theory and practice: circles of sustainability*: Routledge.
- Kubba, S. (2012). *Handbook of green building design and construction: LEED, BREEAM, and Green Globes*: Butterworth-Heinemann.
- Malpass, P., & Victory, C. (2010). The modernisation of social housing in England. *International Journal of Housing Policy*, 10(1), 3-18.
- MHCLG. (Ed.) (2019). *United Kingdom: Ministry of Housing, Communities & Local Government*.
- MHCLG. (2020a). *Good practice and guidance, Reports and summaries*.
- MHCLG. (2020b). *Housing supply: indicators of new supply statistics England January 2020*. United Kingdom The Ministry of Housing, Communities and Local Government
- MHCLG. (2020c). *White Paper: Planning for the Future*. Retrieved from London:
- MHCLG. (2021). *Dwelling stock by tenure, UK*.
- Mullins, D. (2006). Exploring change in the housing association sector in England using the Delphi method. *Housing Studies*, 21(2), 227-251.
- Mullins, D. (2010). *Housing associations*.
- Mullins, D., Czischke, D., & van Bortel, G. (2012). Exploring the meaning of hybridity and social enterprise in housing organisations. *Housing Studies*, 27(4), 405-417.

NHF. (2021a). About housing associations. Retrieved from <https://www.housing.org.uk/about-housing-associations/>

NHF. (2021b). About social housing. Retrieved from <https://www.housing.org.uk/about-housing-associations/about-social-housing/>

Oyebanji, A. O. (2014). Development of a framework for sustainable social housing provision (SSHP) in England. University of Central Lancashire,

Pawson, H., Mullins, D., & Gilmour, T. (2010). After council housing: Britain's new social landlords: Bloomsbury Publishing.

Pickvance, C. (2009). The construction of UK sustainable housing policy and the role of pressure groups. *Local Environment*, 14(4), 329-345.

Priemus, H. (2013). The future of social housing. The Dutch case. *International Journal of co-operative management*, 6(2), 13-24.

RSH. (2021). Role and fundamental objectives - Social Housing.

RSH. (2022). Registered provider social housing in England - stock and rents 2021-2022. England: Regulator of Social Housing & Office for National Statistics

Stephens, M. (2013). Social housing in the United Kingdom. In *The future of public housing* (pp. 199-213): Springer.

Stephens, M. (2019). Social rented housing in the (DIS) United Kingdom: Can different social housing regime types exist within the same nation state? *Urban Research & Practice*, 12(1), 38-60.

Sunikka, M. (2003). Fiscal instruments in sustainable housing policies in the EU and the accession countries. *European Environment*, 13(4), 227-239.

Taylor, T. (2015). Assessing carbon emissions in BREEAM. Briefing paper, BRE Global Ltd.

Taylor, T., & Pineo, H. (2015). Health and wellbeing in BREEAM. BRE Global, Watford.

Yates, J. K., & Castro-Lacouture, D. (2018). Sustainability in engineering design and construction: CRC Press.

**Keywords:** approach, England, housing, transdisciplinarity

**Alsaeed, M., Hadjri, K., & Nawratek, K. (2023, March). *Mode 2 Science: Exploring a common ground of knowledge production in the fields of housing and sustainability*. In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference* (pp. 9-14). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** The field of housing research is very diverse, theoretically reliant and intertwined with politics, economics, social and, more recently, environmental studies. Sustainability research, on the other hand, is often perceived as a complicated, practice-oriented field that examines the interactions between the economic, social and environmental pillars of society. The links between housing and sustainability research are often described as ambiguous and thorny topics, and many scholars refer to them as bifurcated areas of study. As a result, researchers have developed and adapted different approaches to the way knowledge on these two critical areas is perceived and generated. The 'Mode II' science is a relatively new concept that calls for the production of context-oriented, scientifically

reliable and robust social knowledge and is most notable for its tendency towards a transdisciplinary approach.

The concern of this paper is with the methodological issues in how housing and sustainability research and knowledge is presented and produced by those who engage with it. A literature focused exploratory investigation was used to identify the most common methodological issues of both fields. In the end, a reasoned claim was made that the 'Mode II' of knowledge production is one of the appropriate approaches to address the methodological challenges of dealing with sustainability and housing. Yet, the claim requires further in-depth investigation leading to a better understanding of the true extent of the problem and the possibility to design an innovative framework for sustainable housing knowledge production.

#### References:

Ilen, C. (2008). Gentrification 'research' and the academic nobility: A different class? *International Journal of Urban and Regional Research*, 32(1), 180-185.

Allen, C. (2009). The fallacy of "housing studies": philosophical problems of knowledge and understanding in housing research. *Housing, Theory and Society*, 26(1), 53-79.

Bourdieu, P. (2000). *Pascalian meditations*. Stanford University Press.

Carayannis, E. G., & Campbell, D. F. (2009). 'Mode 3' and 'Quadruple Helix': toward a 21st century fractal innovation ecosystem. *International journal of technology management*, 46(3-4), 201-234.

Du Toit, J., Napier, M., Marais, L., Cloete, J., & Crankshaw, B. (2022). A typology of designs for housing research: improving methodological coherence of paradigm, approach and design. *Quality & quantity*, 1-17.

Frost, J., & Osterloh, M. (2003). Dialogue Devices: Bridging between "Mode 1" and "Mode 2" Knowledge Production. *Communication in Organisations Structures and Practices*, 81-101.

Gadamer, H. (1975). *Truth and method*. (J. Weinsheimer & D. G. Marshall, Trans.) Continuum.

Jerneck, A., Olsson, L., Ness, B., Anderberg, S., Baier, M., Clark, E., Hickler, T., Hornborg, A., Kronsell, A., & Lövbrand, E. (2011). Structuring sustainability science. *Sustainability Science*, 6(1), 69-82.

Leech, N., & Onwuegbuzie, A. (2009). A typology of mixed methods research designs. *Quality & Quantity*, 43(2), 265-275.

Gibbons, M., Limoges, C., Nowotny, H., Schwartzman, S., Scott, P. & Trow, M. (1994). The new production of knowledge: The dynamics of science and research in contemporary societies. *The New Production of Knowledge*, 1-192.

MacLean, D., MacIntosh, R., & Grant, S. (2002). Mode 2 management research. *British Journal of Management*, 13(3), 189-207.

Matthews, P. (2016, 2016/05/18). What is housing studies for and what impact does it have? *Housing Studies*, 31(4), 490-493. <https://doi.org/10.1080/02673037.2016.1152028>

Meppem, T., & Bourke, S. (1999). Different ways of knowing: a communicative turn toward sustainability. *Ecological economics*, 30(3), 389-404.

Murphy, R. (2012). Sustainability: A wicked problem. *Sociologica*, 6(2).

Nogueira, L. A., Bjørkan, M., & Dale, B. (2021). Conducting Research in a Post-normal Paradigm: Practical Guidance for Applying Co-production of Knowledge. *Frontiers in Environmental Science*, 337.

Pohl, C., & Hadorn, G.H. (2008). Core terms in transdisciplinary research. In *Handbook of transdisciplinary research* (pp. 427-432). Springer.

Purvis, B., Mao, Y., & Robinson, D. (2019). Three pillars of sustainability: in search of conceptual origins. *Sustainability Science*, 14(3), 681-695.

Scerri, A., & James, P. (2010). Accounting for sustainability: combining qualitative and quantitative research in developing 'indicators' of sustainability. *International Journal of Social Research Methodology*, 13(1), 41-53.

Spangenberg, J.H. (2011). Sustainability science: a review, an analysis and some empirical lessons. *Environmental Conservation*, 38(3), 275-287.

Szostak, R. (2013). The State of the Field: Interdisciplinary Research. *Interdisciplinary Studies*, 1(31), 44-65.

Tobi, H., & Kampen, J. K. (2018). Research design: the methodology for interdisciplinary research framework. *Quality & quantity*, 52(3), 1209-1225.

Wiek, A., & Lang, D. J. (2016). Transformational sustainability research methodology. In *Sustainability Science* (pp. 31-41). Springer.

**Keywords:** housing research, knowledge production and transfer, Mode 2 Science, sustainability research

**Alsaeed, M., Hadjri, K., & Nawratek, K. (2024, March). A comparative analysis of UK sustainable housing standards. In 7th Residential Building Design & Construction Conference, Pennsylvania, USA.**

**Abstract:** The UK government has adopted several building standards, of which Net-zero energy homes, Net-zero carbon homes, Home Quality Mark, Passivhaus and Building Regulations form the basis for sustainable housing practices in the UK. Yet, in 2019, 49 per cent of housing developers were not familiar with or did not adopt all parts of these standards, citing complexity and increasing costs as barriers. The UK's ambition to achieve net zero emissions by 2050 has therefore increased pressure on the construction industry to adopt more sustainable housing practices.

We argue that the complexity, fragmentation and misunderstanding of sustainability standards must be overcome in order to effectively design sustainable housing. For this, a comprehensive mapping of existing sustainability standards is required. This study therefore aims, firstly, to identify sustainable housing standards and discuss their challenges and the timeline for their development and, secondly, to conduct a comparative analysis that identifies similarities, differences and relationships between standards and discuss their effectiveness in delivering sustainable housing.

A literature review was used to identify the relevant standards in practice in the UK. This served as the basis for a comparative analysis to identify the similarities, differences and relationships between these standards. A desktop analysis was also conducted using three social housing case studies in England to identify the building standards applied and to assess their effectiveness in terms of the project's environmental impact and its sustainability outcomes.

A binary structured approach was proposed to contribute to the theoretical debates on the UK sustainability standards and their interrelationships and similarities. The practical component is intended to help housing planners navigate the complexity of the regulations and to support the decision-making process based on the cost-benefit principle. Finally, this approach could be further developed as a comprehensive framework to include practical recommendations, including the actual costs of embedding sustainability in housing construction.

References:

- BPA. (2020). Riverside Road Family Houses Project, London - Design & Access Statement. Project document, restricted access obtained from Watford Borough Council planning portal. England.
- BRAC. (2010). The Building Regulations 2010. London Building Regulations Advisory Committee
- BRDO. (2009). Mapping the local authority regulatory landscape. London: Office for Product Safety and Standards (previously Regulatory Delivery)
- BRE. (2018). Home Quality Mark ONE. London: BRE Global Limited
- CCC. (2019). Net Zero: The UK's contribution to stopping global warming. Retrieved from London: <https://www.theccc.org.uk/publication/net-zero-the-uks-contribution-to-stopping-global-warming/>
- Cornwall, C. (2021). Role of local councils in planning. Retrieved from <https://www.cornwall.gov.uk/planning-and-building-control/local-councils/role-of-local-councils-in-planning/>
- Decker, C. (2018). Goals-based and rules-based approaches to regulation. BEIS Research Paper(8).
- DEFRA. (2013). Sustainable Development Indicators. London: The National Archives Retrieved from [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/223992/0\\_SDIs\\_final\\_\\_2\\_.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/223992/0_SDIs_final__2_.pdf)
- DLUHC. (2022). The Building Safety Act. London: Department for Levelling Up, Housing and Communities Retrieved from <https://www.gov.uk/guidance/the-building-safety-act>
- EAC. (2013a). Codes for Sustainable Homes (CSH) and the housing standards review. London: House of Commons. Retrieved from <https://publications.parliament.uk/pa/cm201314/cmselect/cmenvaud/192/192.pdf>
- EAC. (2013b). Oral evidence: Codes for Sustainable Homes (CSH) and the housing standards review, HC 192. London: House of Commons. Retrieved from <https://committees.parliament.uk/oralevidence/3479/pdf/>
- Fischer, J., & Guy, S. (2009). Re-interpreting regulations: architects as intermediaries for low-carbon buildings. *Urban Studies*, 46(12), 2577-2594.
- Hackitt, J. (2018). Building a Safer Future – Independent Review of Building Regulations and Fire Safety: Final Report. (CCS0418384836 ).
- Hines, J., Godber, S., Butcher, B., Siddall, M., Jennings, P., Grant, N., . . . Parsons, C. (2015). How to build a Passivhaus: Rules of thumb (Vol. 1). UK: Passivhaus Trust.
- Hummel, K., & Rötzel, P. (2019). Mandating the sustainability disclosure in annual reports—evidence from the United Kingdom. *Schmalenbach Business Review*, 71(2), 205-247.
- Mensah, M. S. B., & Enu-Kwesi, F. (2018). Research collaboration for a knowledge based economy: towards a conceptual framework. *Triple Helix*, 5(1), 1-17.
- MHCLG. (2021). National Planning Policy Framework London: Ministry of Housing, Communities & Local Government Retrieved from <https://www.gov.uk/guidance/national-planning-policy-framework>
- NHF. (2021). Decarbonising the housing association sector, costs and funding options Retrieved from London: <https://www.housing.org.uk/globalassets/files/climate-and-sustainability--energy-crisis/funding-options-report-final.pdf>
- OPS&S. (2017). Primary Authority: a guide for national regulators. London.: Office for Product Safety and Standards. Retrieved from <https://www.gov.uk/guidance/primary-authority-a-guide-for-national-regulators#primary-authority-advice-to-local-authorities>



- Oyebanji, A. O. (2014). Development of a framework for sustainable social housing provision (SSHP) in England. University of Central Lancashire, pH+.
- pH+. (2016). Old Ford Road, London - Design & Access Statement. Project document, restricted access obtained from London Borough of Tower Hamlets planning portal. England.
- Pickvance, C. (2009). The construction of UK sustainable housing policy and the role of pressure groups. *Local Environment*, 14(4), 329-345.
- Rankl, F. (2023). Commons Library Research Briefing: building regulations and safety. London: The House of Commons Library Retrieved from <https://researchbriefings.files.parliament.uk/documents/CBP-8482/CBP-8482.pdf>
- Sunikka, M., & Boon, C. (2003). Environmental policies and efforts in social housing: The Netherlands. *Building Research & Information*, 31(1), 1-12.
- TateHindle. (2021). Deben High School, Felixstowe - Design & Access Statement. Project document, restricted access obtained from ESC planning portal. England.
- UKGBC. (2017). *The role of local leadership in creating sustainable homes* (1 ed.). London: UK Green Building Council.
- UKGBC. (2021). *The New Homes Policy Playbook: driving sustainability in new homes*. London: UK Green Building Council.
- Yin, R. K. (2014). *Case study research: Design and methods (applied social research methods)*: Sage publications Thousand Oaks, CA.

**Keywords:** sustainability standards, sustainable housing, UK housing

**Bežovan, G., Baturina, D., & Horvat, M. (2023). *Evolution and evaluation of the state of social rights of the homeless in Croatia*. *Criminology & Social Integration*, 31 (1), 55-77.**  
<https://doi.org/10.31299/ksi.31.1.3>

**Abstract:** Homelessness is becoming an increasing social problem, and this is reflected in the growing number of people in this status and the consequences that such a social status entails as the most extreme form of poverty and social exclusion. In Croatia, the status of the homeless was 'recognized' and regulated only in 2011 by the Law on Social Welfare. The paper starts from the right to decent housing as a fundamental human right, analyses the evolution and current state of the social rights of the homeless, starting from the 90s to more recent legal documents and policies, and critically analyses and interprets the results of earlier research concerning social rights, status and position homeless. It is concluded that the social rights of the homeless are inadequately defined and care for the homeless is a residual part of social care.

References:

- Babić, Z. (2008). Redistribucijski učinci socijalnih transfera u Republici Hrvatskoj. *Revija za socijalnu politiku*, 15(2), 151-170. <https://doi.org/10.3935/rsp.v15i2.766>
- Balaband, A. (1997). Socijalna skrb i nezaposlenost. *Revija za socijalnu politiku*, 4(3), 253-263. <https://doi.org/10.3935/rsp.v4i3.384>
- Barbarić, Đ. (2020). Siromaštvo – mrlja na savjesti čovječanstva. Prikaz okvira i mogućnosti suzbijanja siromaštva u RH. Udruga MoSt.



Baturina, D. (2019). The struggles of shaping social innovation environment in Croatia. *Annals for Istrian and Mediterranean Studies-Series Historia et Sociologia*, 29(2), 323–334.

Baturina, D., Majdak, M. i Berc, G. (2020). Perspektiva NEET populacije u urbanoj aglomeraciji Zagreb prema percepciji stručnjaka i mladih u NEET statusu – kako im pomoći?. *Sociologija i prostor*, 58(3(218)), 403–431. <https://doi.org/10.5673/sip.58.3.8>

Bežovan, G. (2000). Stanovanje u 21. stoljeću: fragmentacija i preorijentacija. Studijski centar socijalnog rada, Pravni fakultet Sveučilišta u Zagrebu.

Bežovan, G. (2019a). ESPN Thematic Report on National strategies to fight homelessness and housing exclusion – Croatia. European Social Policy Network (ESPN), European Commission.

Bežovan, G. (2019b). Hrvatska socijalna politika u vremenu globalizacije i europeizacije. U G. Bežovan, V. Puljiz, Z. Šučur, Z. Babić, I. Dobrotić, T. Matković i S. Zrinščak (ur.), *Socijalna politika Hrvatske*, II. izdanje (str. 59–108). Pravni fakultet Sveučilišta u Zagrebu.

Bežovan, G. i Baturina, D. (2022). Stambene politike i beskućništvo. Smjernice za javne politike ESF Projekta “Nova perspektiva za beskućništvo”. Hrvatska mreža za beskućništvo.

Borg, I. i Guio, A. C. (2021). Improving our knowledge of housing at EU level. U A. C. Guio, E. Marlier i B. Nolan (ur.), *Improving the understanding of poverty and social exclusion in Europe* (str. 203–216). Eurostat Statistical Working Papers.

European Committee of Social Rights (2022). Decision on admissibility. Downloaded from: <https://hudoc.esc.coe.int/fre/?i=cc-203-2021-dadmiss-en> (Visited 19.4.2023)

Costa, G., Bežovan, G., Plavarini, P. i Brandsen, T. (2014). Urban Housing systems in times of crisis.

U C. Ranci, T. Brandsen, i S. Sabatinelli (ur.), *Social vulnerability in European cities: The role of welfare in times of crisis* (str. 160–186). Palgrave, Macmillan.

Crepaldi, C. (2019). Peer Review on “Access to social assistance and rights for homeless people”. Directorate-General for Employment, Social Affairs and Inclusion.

Dean, H. (2015). *Social Rights and Human Welfare* – 1st edition. Routledge. <https://doi.org/10.4324/9781315795423>

Drčić, P. i Mrdeža, I. (2016). Zapošljavanje beskućnika. CERANEO. <http://ceraneo.hr/wp-content/uploads/2016/11/Publikacija-Zapo%5c%a1ljavanje-besku%4%87nika-2016.-CERANEO.pdf>

Družić-Ljubotina, O. (2012). Beskućništvo: Pogled iz različitih perspektiva. Gradski ured za socijalnu zaštitu i osobe s invaliditetom.

Družić Ljubotina, O., Kletečki Radović, M. i Ogresta, J. (2016). Slika podrške beskućnicima u Hrvatskoj. Gradski ured za socijalnu zaštitu i osobe s invaliditetom.

Družić Ljubotina, O., Kletečki Radović M. i Ogresta, J. (2022a). Što građani misle o beskućnicima. Hrvatska mreža za beskućnike.

Družić Ljubotina, O., Kletečki Radović M. i Ogresta, J. (2022b). Stavovi socijalnih radnika o beskućnicima – Rezultati istraživanja. Hrvatska mreža za beskućnike.

Družić Ljubotina, O., Kletečki Radović M. i Ogresta, J. (2022c). Istraživanje o kvaliteti skrbi za beskućnike iz perspektive stručnjaka – Rezultati kvalitativnog istraživanja. Hrvatska mreža za beskućnike.

European Commission (2010). *Study on Housing Exclusion: Welfare Policies, Housing Provision and Labour Markets*. Downloaded from: <https://www.york.ac.uk/media/chp/documents/2010/Study%20on%20Housing%20Exclusion.pdf> (Visited 15.9.2021)

Dubois, H. i Ludwinek, A. (2015). Access to social benefits: Reducing non-take-up. Publications Office of the European Union, Eurofund.

Europski stup socijalnih prava u 20 načela. Dostupno na: [https://ec.europa.eu/info/strategy/priorities-2019-2024/economy-works-people/jobs-growth-and-investment/european-pillar-social-rights/european-pillar-social-rights-20-principles\\_hr](https://ec.europa.eu/info/strategy/priorities-2019-2024/economy-works-people/jobs-growth-and-investment/european-pillar-social-rights/european-pillar-social-rights-20-principles_hr)

Eurostat (2022a). Social benefits by function – % of total benefits, Unemployment. <https://ec.europa.eu/eurostat/databrowser/view/tps00106/default/table?lang=en>

Eurostat (2022b). Social benefits by function – % of total benefits, Social exclusion. <https://ec.europa.eu/eurostat/databrowser/view/tps00106/default/table?lang=en>

Eurostat (2022c). Social benefits by function – % of total benefits, Housing. <https://ec.europa.eu/eurostat/databrowser/view/tps00106/default/table?lang=en>

FEANTSA (2008). The role of housing in pathways into and out of homelessness. European report.

FEANTSA (2011). Housing-led policy approaches: Social innovation to end homelessness in Europe. Downloaded from: <http://www.feantsa.org/spip.php?article420&lang=en> (Visited 01.09.2013.)

FEANTSA (2012). On the Way Home? Monitoring Report on Homelessness and Homeless Policies in Europe. Downloaded from: <http://www.feantsa.org/spip.php?article857&lang=en> (Visited 10.9.2013.)

FEANTSA (2013). ETHOS: Typology on Homelessness and Housing Exclusion. Downloaded from: <http://www.feantsa.org/spip.php?article120> (Visited 28.08.2013.)

Ferrera, M. (2005). The Boundaries of Welfare: European Integration and the New Spatial Politics of Social Protection. Oxford University Press.

FEANTSA (2022). Seventh Overview of Housing Exclusion in Europe 2022. Brussels.

Gjeri Robić, N. (2017). Dvadeset godina beskućništva u Hrvatskoj (1991. – 2011.) te mogućnosti za istraživanja povijesti beskućništva, Revija za socijalnu politiku, 24(2), 219-237.

Horvat, M. i Bežovan, G., (2022). Analysis of sustainability of service providers for social integration of the homeless in Croatia, The struggle for the right to housing. The pressures of globalisation and affordability in cities today. ENHR konferencija, Barcelona, Španjolska.

Sidorová, M. i Lammelová, Z. (ur.) (2018). Restless Cities: Lessons from Central Europe. Heinrich Böll Stiftung.

Kenna, P. (2005). Soft law and housing rights in the European Union system. Rad izložen na: Irish Human Rights Commission Conference, Dublin, 10.12.2005. Downloaded from: <https://www.ihrec.ie/documents/dr-padraickenna-soft-law-and-housing-rights-in-the-european-unionsystem-10-december-2005/> (Visited 15.05.2022.)

Kenna, P., Benjaminsen, L., Busch-Geertsema, V. i Nasarre-Aznar, S. (ur.) (2016). Pilot project – Promoting protection of the right to housing – Homelessness Prevention in the context of Evictions. European Commission.

Kenna, P., Nasarre Aznar, S., Sparkes, P. i Schmid, C. (ur.) (2018). Loss of Homes and Evictions across Europe. Edward Elgar Publishing.

Kletečki Radović, M. (2013). Beskućništvo: pogled iz različitih perspektiva. Ljetopis socijalnog rada, 20(1), 201–204.

Kletečki Radović, M., Družić Ljubotina, O., Ogresta, J. i Čačić, K. (2022). Iskustva i mišljenja donositelja odluka o kvaliteti skrbi za beskućnike i prevenciji beskućništva. Rezultati kvalitativnog istraživanja. Hrvatska mreža za beskućnike.

Korpi, W. i Palme, J. (1998). The Paradox of Redistribution and Strategies of Equality: Welfare State Institutions, Inequality, and Poverty in the Western Countries. *American Sociological Review*, 63(5), 661–687. <https://doi.org/10.2307/2657333>

Kovačić, M. (2022). Kako bi analiza trebala spasiti Hrvatsku: stvaranje politika utemeljeno na dokazima kao cilj hrvatskih javnih politika. *Croatian and Comparative Public Administration*, 22(3), 495–520.

Kuzelj, V., Cindori, S. i Horvat Vuković, A. (2021). Apoteoza socijalne države imperativni zahtjev ostvarenja socijalne pravde u Republici Hrvatskoj. *Pravni vjesnik*, 37(3–4), 57–80. <https://doi.org/10.25234/pv/13061>

Maher, C. i Allen, M. (2014). What is preventing us from preventing homelessness? A review of the Irish National Preventative Strategy. *European Journal of Homelessness*, 8(2), 119–135.

Marshall, T. H. (1950). *Citizenship and Social Class And Other Essays*. Cambridge University Press.

Matančević, J. i Baturina, D. (2016). Evaluacija programa skrbi o beskućnicima i razvoj inovativnih modela prevencije i smanjenja rizika nastanka beskućništva – prikaz i zaključci projekta. *Revija za socijalnu politiku*, 23(2), 302–305. <https://doi.org/10.3935/rsp.v23i2.1373>

Matković, T. (2019). Politike zapošljavanja i nezaposlenost. U G. Bežovan, V. Puljiz, Z. Šučur, Z. Babić, I. Dobrotić, T. Matković i S. Zrinščak (ur.), *Socijalna politika Hrvatske*, II. Izdanje. Pravni fakultet Sveučilišta u Zagrebu.

Ministarstvo rada i socijalne skrbi Republike Hrvatske (2001). Program borbe protiv siromaštva i isključenosti. *Ministarstvo rada i socijalne skrbi Republike Hrvatske*.  
Ministarstvo rada, mirovinskoga sustava, obitelji i socijalne politike (2021). Nacionalni plan borbe protiv siromaštva i socijalne isključenosti za razdoblje od 2021. do 2027. godine. *Ministarstvo rada, mirovinskoga sustava, obitelji i socijalne politike*.

Opačić, A. i Knezić, D. (2022). Univerzalno dostupne temeljne socijalne usluge u Republici Hrvatskoj. Model izvedivosti. *Rehabilitacijski centar za stres i traumu*.

Operativni program Učinkoviti ljudski potencijali 2021. – 2027. Downloaded from: [http://www.esf.hr/wordpress/wp-content/uploads/2022/10/PULJP2021-2027\\_hrv\\_sfc2021-PRG-2021HR05SFPR001-1.2.pdf](http://www.esf.hr/wordpress/wp-content/uploads/2022/10/PULJP2021-2027_hrv_sfc2021-PRG-2021HR05SFPR001-1.2.pdf) (Visited 15.11.2022.)

Pittini A., Turnbull, D., Lakatos, E. i Dijol, J. (2022). Background Note for the Housing Focal Points Meeting of the EU Member States. *Housing Europe*.

Pleace, N., Baptista, I., Benjaminsen, L. i Busch-Geertsema, V. (2018). Homelessness services in Europe. *EOH Comparative Studies on Homelessness – No. 8*.

Pleace, N., Baptista, I., Benjaminsen, L. i Busch-Geertsema, V. (2019). Homelessness services in Europe. *EOH Comparative Studies on Homelessness – No. 9*.

Pravilnik o minimalnim uvjetima za pružanje socijalnih usluga. *Narodne novine*, 157/2013.

Pravilnik o standardima kvalitete socijalnih usluga. *Narodne novine*, 143/2014.

Pučki pravobranitelj (2010). Izvješće pučkog pravobranitelja za 2009. Pučki pravobranitelj

Pučki pravobranitelj (2011). Izvješće pučkog pravobranitelja za 2010. Pučki pravobranitelj.

Pučka pravobraniteljica (2017). Izvješće pučke pravobraniteljice za 2016. Pučka pravobraniteljica.

Pučka pravobraniteljica (2018). Izvješće pučke pravobraniteljice za 2017. Pučka pravobraniteljica.

Pučka pravobraniteljica (2019). Izvješće pučke pravobraniteljice za 2018. Pučka pravobraniteljica.

Pučka pravobraniteljica (2020). Izvješće pučke pravobraniteljice za 2019. Pučka pravobraniteljica.

- Pučka pravobraniteljica (2021). Izvješće pučke pravobraniteljice za 2020. Pučka pravobraniteljica.
- Pučka pravobraniteljica (2022). Izvješće pučke pravobraniteljice za 2021. Pučka pravobraniteljica.
- Puljiz V. (1996). Trendovi u socijalnoj politici Hrvatske. *Revija za socijalnu politiku*, 3(3–4), 237–285.
- Puljiz, V. (1997). Europska socijalna povelja (revidirana). *Revija za socijalnu politiku*, 4(1), 41–53.
- Puljiz, V. (2008). Socijalna politika Hrvatske (Povijest, zadanosti, usmjerenja). U V. Puljiz, G. Bežovan, T. Matković, Z. Šučur, S. Zrinščak (ur.), *Socijalna politika Hrvatske*, (str. 1–71.).
- Schmid, C. D. (2022). *Ways out of the European Housing Crisis – Tenure Innovation and Diversification in Comparative Perspective*. Edward Elgar Publishing.
- Šikić Mićanović, L. (2012). Beskućništvo u Hrvatskoj: Pregled rezultata kvalitativnog istraživanja. UO. Družić Ljubotina, (ur.), *Beskućništvo: Pogled iz različitih perspektiva* (str. 29–41.). Gradski ured za socijalnu zaštitu i osobe s invaliditetom.
- Šikić-Mićanović, L., Sakić, S. i Stelko, S. (2020). Kvaliteta usluga za beskućnike: prikaz trenutnog stanja i izazova u Hrvatskoj. *Revija za socijalnu politiku*, 27(3), 233–248.
- Šikić-Mićanović, L. (2022). Kvalitativno istraživanje sa osobama koje žive na ulici. Završni izvještaj. Hrvatska mreža za beskućnike.
- Šikić-Mićanović, L., Švarc, J. i Anić, J. R. (2022). Kvalitativno istraživanje sa osobama u nesigurnom i/ili neadekvatnom stanovanju. Završni izvještaj. Hrvatska mreža za beskućnike.
- Šoštarić, M. (2013). Homelessness in the Republic of Croatia: A Review of the Social Welfare System for Homeless People. *European Journal of Homelessness*, 7(2), 287–300.
- Tosics, I. (2010). The approach of Budapest to the European Union. The Europeanization of a post-socialist city. U A. Hamedinger i A. Wolffhardt (ur.), *The Europeanization of Cities – Policies, Urban Change & Urban Networks* (str. 127–144). Techne Press.
- Trbojević, F. (2022). Socijalno uključivanje osoba u beskućništvu: pogled iz različitih perspektiva [Diplomski rad]. Pravni fakultet Sveučilišta u Zagrebu.
- Tucak, I. i Blagojević, A. (2015). Welfare Rights in the Croatian Constitution. U M. Vinković (ur.), *New developments in EU Labour, Equality and Human Rights Law* (str. 267–293). Faculty of Law Osijek.
- UN (1948). Opća deklaracija o ljudskim pravima Ujedinjenih naroda. Opća skupština Ujedinjenih Naroda.
- Ujedinjeni narodi (1966). International Covenant on Economic, Social and Cultural Rights. Available at: [https://treaties.un.org/doc/treaties/1976/01/19760103%2009-57%20pm/ch\\_iv\\_03.pdf](https://treaties.un.org/doc/treaties/1976/01/19760103%2009-57%20pm/ch_iv_03.pdf)
- Ujedinjeni narodi (1991). Opći komentar br. 4: Pravo na odgovarajuće stanovanje [General Comment No. 4: The Right to Adequate Housing (Art. 11 (1) of the Covenant)], 13. prosinca 1991, E/1992/23. Available at: <https://www.refworld.org/docid/47a7079a1.html>
- UNDP (2006). Neumreženi: lica socijalne isključenosti. Program Ujedinjenih naroda za razvoj (UNDP) u Hrvatskoj.
- Ustav Republike Hrvatske. Narodne novine, 56/1990, 135/97, 08/98, 113/00, 124/00, 28/01, 41/01, 55/01, 76/10, 85/10, 05/14.
- Ustav Republike Slovenije. Available at: <http://pisrs.si/Pis.web/pregledPredpisa?id=USTA1>
- Vijeće Europe (1961). Europska socijalna povelja. Available at: <https://rm.coe.int/168006b642>.
- Vijeće Europe (1997). Europska socijalna povelja (revidirana). *Revija za socijalnu politiku*, 4(1), 41–53.

Vlada Republike Hrvatske (2007). Zajednički memorandum o socijalnom uključivanju Republike

Hrvatske: ključni izazovi, prijedlozi mjera i zaključci. *Revija za socijalnu politiku*, 14(2), 221–260.

<https://doi.org/10.3935/rsp.v14i2.709>

Vlada Republike Hrvatske (2014). Strategija borbe protiv siromaštva i socijalne isključenosti za razdoblje 2014.–2020. Vlada RH.

Vlada Republike Hrvatske (2021a). Nacionalna razvojna strategija Republike Hrvatske do 2030. godine.

Downloaded from: <https://hrvatska2030.hr/wp-content/uploads/2021/02/Nacionalna-razvojna-strategija-RH-do-2030.-godine.pdf> (Visited 22.09.2022.)

Vlada Republike Hrvatske (2021b). Nacionalni plan borbe protiv siromaštva i socijalne isključenosti za razdoblje od 2021. do 2027. godine. Downloaded from:

<https://mosp.gov.hr/UserDocsImages/dokumenti/Glavno%20tajništvo/Godišnji%20planovi%20i%20strateška%20izvješća/Nacionalni%20plan%20>

Vlada Republike Hrvatske (2021c). Akcijski plan borbe protiv siromaštva i socijalne isključenosti za razdoblje od 2021. do 2024. godine. Downloaded from:

<https://mosp.gov.hr/UserDocsImages/dokumenti/Glavno%20tajništvo/Godišnji%20planovi%20i%20strateška%20izvješća/Akcijski%20plan%20borbe%20protiv%20siromaštva%20i%20socijalne%20isključenosti%20za%20razdoblje%20od%202021%20do%202024.pdf> (Visited 22.09.2022.)

Vlada RH (2014). Operativni program učinkoviti ljudski potencijali 2014–2020.

Vlada RH (2022). Operativni program učinkoviti ljudski potencijali 2021–2027.

Zakon o dobrobiti životinja. *Narodne novine*, 19/1999.

Zakon o osobnoj iskaznici. *Narodne novine*, 144/2020.

Zakon o prebivalištu. *Narodne novine*, 158/2013.

Zakon o prekršajima protiv javnog reda i mira. *Narodne novine*, 29/1994.

Zakon o socijalnoj skrbi. *Narodne novine*, 57/2011.

Zakon o socijalnoj skrbi. *Narodne novine*, 157/2013.

Zakon o socijalnoj skrbi. *Narodne novine*, 18/2022.

**Keywords:** homeless, housing, social exclusion, social policies, social rights

**Croon, T. (2022, August-September). *The Governance of Energy Poverty Alleviation: Comparative Analyses of Targeted Policies and Strategies across Europe*. In NHRC & WG Energy Efficiency, ENHR 2022, Barcelona, Spain.**

**Abstract:** Energy price volatility is likely to remain high due to geopolitical uncertainty and the transformative transition towards low-carbon generation. However, the consequences of price peaks are unevenly distributed across society as households with low incomes, little savings, and inefficient dwellings are disproportionately affected. Energy poverty – the inability to secure sufficient domestic energy services that allow for participation in society – can have deteriorating effects on their livelihoods. Therefore, energy poverty alleviation has become an important policy and research area, not least in the context of the ‘Renovation Wave’, the European transition towards low-carbon housing. This dissertation explores opportunities for European policymakers and housing professionals to target vulnerable households at risk of energy poverty so that the Renovation Wave can be made into a ‘just transition’. It aims to contribute to an understanding of ‘recognitional justice’ in several ways. First, it

explores the added value of the energy poverty gap in assessing the intensity and inequality of deprivation caused by energy poverty. Moreover, these dimensions are used to identify driving household, dwelling and spatial characteristics of energy poverty in the Netherlands. Subsequently, it suggests targeted interventions that housing associations could implement to support those in need. It compares the regulatory opportunities and obstacles these housing providers face and assesses the target efficiency of state-level support policies in France, the UK, and the Netherlands. Finally, it develops a multilevel governance framework indicating and discussing the roles and responsibilities of actors in European energy poverty alleviation. The project uses a mix of quantitative and qualitative research methods to provide a comprehensive overview of how recognition justice can be integrated into policies across governance levels. By doing this, it aims to enhance identification of energy poverty, efficiency of alleviation policies and public accountability of actors responsible.

**References:**

Bagnoli, L., & Bertoméu-Sánchez, S. (2022). How effective has the electricity social rate been in reducing energy poverty in Spain? *Energy Economics*, 106. <https://doi.org/10.1016/j.eneco.2021.105792>

Best, R., Hammerle, M., Mukhopadhaya, P., & Silber, J. (2021). Targeting household energy assistance. *Energy Economics*, 99. <https://doi.org/10.1016/j.eneco.2021.105311>

Bouzarovski, S., & Petrova, S. (2015). A global perspective on domestic energy deprivation: Overcoming the energy poverty–fuel poverty binary. *Energy Research & Social Science*, 10, 31-40. <https://doi.org/10.1016/j.erss.2015.06.007>

Foster, J., Greer, J., & Thorbecke, E. (1984). A Class of Decomposable Poverty Measures. *Econometrica*, 52(3), 761-766.

Imbert, I., Nogues, P., & Sevenet, M. (2016). Same but different: On the applicability of fuel poverty indicators across countries—Insights from France. *Energy Research & Social Science*, 15, 75-85. <https://doi.org/10.1016/j.erss.2016.03.002>

Morduch, J. (2005). Chapter III. Poverty Measures. In P. Cheung (Ed.), *Handbook on Poverty Statistics: Concepts, Methods and Policy Use*. UN Statistics.

Sen, A. (1976). Poverty: An Ordinal Approach to Measurement. *Econometrica*, 44(2), 219-231.

Sefton, T. (2002). Targeting Fuel Poverty in England: Is the Government Getting Warm? *Fiscal Studies*, 23(3), 369-399. <https://doi.org/https://doi.org/10.1111/j.1475-5890.2002.tb00065.x>

Simshauser, P. (2021). Vulnerable households and fuel poverty: Measuring the efficiency of policy targeting in Queensland. *Energy Economics*, 101. <https://doi.org/10.1016/j.eneco.2021.105405>

Tirado Herrero, S. (2017). Energy poverty indicators: A critical review of methods. *Indoor and Built Environment*, 26(7), 1018-1031. <https://doi.org/10.1177/1420326x17718054>

**Keywords:** energy poverty, energy transition, housing policy, social policy, targeted policy

**Croon, T. (submitted). *Energy poverty alleviation by social housing providers: Investigating targeted approaches in France, England, and the Netherlands*. Building Research & Information.**

**Abstract:** Since energy prices across Europe started to rise in 2021, there has been growing concern of social housing tenants at risk of energy poverty. So far, studies have largely focused on the role of governments and on what tenants themselves could do. However, research has rarely considered specific targeting approaches by social housing providers (SHPs). This study explores the role of these stakeholders and investigates what policies French, English, and Dutch social housing providers could adopt to enhance the effectiveness of their energy poverty alleviation efforts. Focus groups with



practitioners demonstrated their perspectives on the most effective interventions, their respective benefits and challenges, and variation across policy contexts. We found that social housing professionals perceive a significant responsibility in addressing energy poverty among their tenants, but that there remains uncertainty regarding the distribution of responsibilities between stakeholders. While views and practices among professionals vary, most deem prioritisation of retrofits or behavioural interventions for those households in or at risk of energy poverty more effective and feasible approaches than setting rents or allocating dwellings in a targeted manner. Particularly the presence of institutional barriers and a lack of data hinder SHPs from implementing a more targeted approach in addressing energy poverty.

#### References:

- Amzallag, M., & Taffin, C. (2010). *Social Rental Housing in France* (Vol. 62497). World Bank.
- Angel, S. (2021). Housing regimes and residualization of the subsidized rental sector in Europe 2005-2016. *Housing Studies*, 38(5), 881-901. <https://doi.org/10.1080/02673037.2021.1921122>
- Aranda, J., Zabalza, I., Conserva, A., & Millán, G. (2017). Analysis of Energy Efficiency Measures and Retrofitting Solutions for Social Housing Buildings in Spain as a Way to Mitigate Energy Poverty. *Sustainability*, 9(10). <https://doi.org/10.3390/su9101869>
- Boardman, B. (1991). *Fuel Poverty: From Cold Homes to Affordable Warmth*. Pinter Pub Limited.
- Boerenfijn, P., Kazak, J. K., Schellen, L., & van Hoof, J. (2018). A multi-case study of innovations in energy performance of social housing for older adults in the Netherlands. *Energy and Buildings*, 158, 1762-1769. <https://doi.org/10.1016/j.enbuild.2017.10.101>
- Bouzarovski, S., Thomson, H., & Cornelis, M. (2021). Confronting Energy Poverty in Europe: A Research and Policy Agenda. *Energies*, 14(4). <https://doi.org/10.3390/en14040858>
- Caballero, N., & Della Valle, N. (2021). Tackling Energy Poverty Through Behavioral Change: A Pilot Study on Social Comparison Interventions in Social Housing Districts. *Frontiers in Sustainable Cities*, 2. <https://doi.org/10.3389/frsc.2020.601095>
- De Feijter, F. J., van Vliet, B. J. M., & Chen, Y. (2019). Household inclusion in the governance of housing retrofitting: Analysing Chinese and Dutch systems of energy retrofit provision. *Energy Research & Social Science*, 53, 10-22. <https://doi.org/10.1016/j.erss.2019.02.006>
- DellaValle, N., & Czako, V. (2022). Empowering energy citizenship among the energy poor. *Energy Research & Social Science*, 89. <https://doi.org/10.1016/j.erss.2022.102654>
- Desvallées, L. (2022). Low-carbon retrofits in social housing: Energy efficiency, multidimensional energy poverty, and domestic comfort strategies in southern Europe. *Energy Research & Social Science*, 85. <https://doi.org/10.1016/j.erss.2021.102413>
- Gatt, D., Caruana, C., & Yousif, C. (2020). Building Energy Renovation and Smart Integration of Renewables in a Social Housing Block Toward Nearly-Zero Energy Status. *Frontiers in Energy Research*, 8. <https://doi.org/10.3389/fenrg.2020.560892>
- Grosh, M., Leite, P., Wai-Poi, M., & Tesliuc, E. (2022). *Revisiting targeting in social assistance: A new look at old dilemmas*. World Bank Publications.
- Habitat Actualités. (2017). *Les HLM et le numérique [in French]*. <https://www.union-habitat.org/sites/default/files/articles/documents/2018-03/bimensuel%201061.pdf>
- Hagan, M. (2021). Prototyping for policy. In M. Corrales Compagnucci, H. Haapio, M. Hagan, & M. Doherty (Eds.), *Legal Design: Integrating Business, Design and Legal Thinking with Technology* (pp. 9-31). Edward Elgar Publishing.

Housing Europe. (2021). *The State of Housing in Europe in 2021*.

<https://www.housingeurope.eu/resource-1540/the-state-of-housing-in-europe-in-2021>

Housing Europe. (2023). *The State of Housing in Europe in 2023*. <https://www.stateofhousing.eu/>

Longhurst, N., & Hargreaves, T. (2019). Emotions and fuel poverty: The lived experience of social housing tenants in the United Kingdom. *Energy Research & Social Science*, 56.

<https://doi.org/10.1016/j.erss.2019.05.017>

Mulder, P., Dalla Longa, F., & Straver, K. (2023). Energy poverty in the Netherlands at the national and local level: A multi-dimensional spatial analysis. *Energy Research & Social Science*, 96.

<https://doi.org/10.1016/j.erss.2022.102892>

Peel, J., Ahmed, V., & Saboor, S. (2020). An investigation of barriers and enablers to energy efficiency retrofitting of social housing in London. *Construction Economics and Building*, 20(2).

<https://doi.org/10.5130/AJCEB.v20i2.6746>

Pitt, J., & Nolden, C. (2020). Post-Subsidy Solar PV Business Models to Tackle Fuel Poverty in Multi-Occupancy Social Housing. *Energies*, 13(18). <https://doi.org/10.3390/en13184852>

Pye, S., Dobbins, A., Baffert, C., Brajković, J., Deane, P., & De Miglio, R. (2015). Addressing Energy Poverty and Vulnerable Consumers in the Energy Sector Across the EU. *L'Europe en Formation*, 378(4), 64-89. <https://doi.org/10.3917/eufor.378.0064>

Sdei, A., Gloriant, F., Tittlein, P., Lassue, S., Hanna, P., Beslay, C., Gournet, R., & McEvoy, M. (2015). Social housing retrofit strategies in England and France: A parametric and behavioural analysis. *Energy Research & Social Science*, 10, 62-71. <https://doi.org/10.1016/j.erss.2015.07.001>

Seebauer, S., Friesenecker, M., & Eisfeld, K. (2019). Integrating climate and social housing policy to alleviate energy poverty: an analysis of targets and instruments in Austria. *Energy Sources, Part B: Economics, Planning, and Policy*, 14(7-9), 304-326. <https://doi.org/10.1080/15567249.2019.1693665>

Sen, A. (1998). The Political Economy of Targeting. *Public Choice*, 95(1/2), 177-200.

<https://doi.org/10.1023/a:1005023531490>

Simshauser, P. (2021). Vulnerable households and fuel poverty: Measuring the efficiency of policy targeting in Queensland. *Energy Economics*, 101. <https://doi.org/10.1016/j.eneco.2021.105405>

Van de Walle, D. (1998). Targeting revisited. *The World Bank Research Observer*, 13(2), 231-248.

Walker, G. (2008). Decentralised systems and fuel poverty: Are there any links or risks? *Energy Policy*, 36(12), 4514-4517. <https://doi.org/10.1016/j.enpol.2008.09.020>

**Keywords:** energy poverty, England, France, fuel poverty, housing allocation, Netherlands, renovation, rent setting, social housing

**Croon, T., Hoekstra, J., & Dubois, U. (2023, March). *Energy poverty alleviation in social housing: Prototyping policies with practitioners*. In Diaconu, A. (Ed.) Proceedings of the RE-DWELL Grenoble Conference (pp. 15-18). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** The negative consequences of energy poverty have been known for decades, but the sense of urgency and subsequent establishment of policies have substantially differed across countries. One of the reasons mentioned in the literature is that insights from research are not adequately communicated to policymakers and practitioners. In parallel, the body of scholarship on energy poverty measurement has grown rapidly, but its use in practice has hardly been addressed. This project intends



to combat this mismatch, by proactively engaging with various housing association professionals across Europe to find out how qualitative and quantitative knowledge on energy poverty can inform retrofit strategies in different policy contexts. It examines the key role of housing associations with a significant share of their predominantly low-income tenants living in energy poverty in the ‘just transition’. Furthermore, it explores how their apparent techno-economic approach to retrofit provision could be altered by organizing focus groups with housing association professionals in France, the UK, and the Netherlands. Professionals from different departments will be urged to discuss whether, and if so why, they consider energy poverty to be a policy priority not only from a behavioural perspective but also from a housing quality perspective. We proactively work with them to learn how qualitative and quantitative knowledge on energy poverty can inform alleviation strategies in different policy contexts. The focus groups will be set up as ‘innovation journeys’, with the participants acting as ‘co-researchers’ or ‘co-designers’. First, I will give a brief explanation about energy poverty measurement. Then, assuming that the housing association is properly informed as to which households are most vulnerable, we will collectively explore the potentially alleviating policy interventions available. We will look at opportunities and obstacles regarding finance, staff capacity, and regulations, thus allowing for a comparison between the three countries. While the sessions will have a rather flexible structure, we will ensure that targeted retrofit is at the heart of the discussion (besides e.g., information provision, behavioural change, and rent policy). The study thus uses an abductive approach, ‘prototyping’ possible ways towards a desired policy outcome (energy poverty alleviation). It is an exploratory phase in which new policy interventions can be discovered and provisional guesses can be made concerning their effects.

#### References:

- Barry, D., & Hansen, H. (2008). *The Sage handbook of new approaches in management and organization*. Sage.
- Bason, C. (2014). *Design for Policy*. Gower.
- Bouzarovski, S., & Petrova, S. (2015). A global perspective on domestic energy deprivation: Overcoming the energy poverty–fuel poverty binary. *Energy Research & Social Science*, 10, 31-40. <https://doi.org/10.1016/j.erss.2015.06.007>
- Bouzarovski, S., Thomson, H., & Cornelis, M. (2021). Confronting Energy Poverty in Europe: A Research and Policy Agenda. *Energies*, 14(4). <https://doi.org/10.3390/en14040858>
- Bryman, A. (2016). *Social Research Methods*. Oxford University Press.
- Charlier, D., & Legendre, B. (2021). Fuel poverty in industrialized countries: Definition, measures and policy implications a review. *Energy*, 236. <https://doi.org/10.1016/j.energy.2021.121557>
- De Feijter, F.J., van Vliet, B.J.M., & Chen, Y. (2019). Household inclusion in the governance of housing retrofitting: Analysing Chinese and Dutch systems of energy retrofit provision. *Energy Research & Social Science*, 53, 10-22. <https://doi.org/10.1016/j.erss.2019.02.006>
- Desvallées, L. (2022). Low-carbon retrofits in social housing: Energy efficiency, multidimensional energy poverty, and domestic comfort strategies in southern Europe. *Energy Research & Social Science*, 85. <https://doi.org/10.1016/j.erss.2021.102413>
- Kimbell, L. (2015). *Applying design approaches to policy making: discovering policy lab*. [https://researchingdesignforpolicy.files.wordpress.com/2015/10/kimbell\\_policylab\\_report.pdf](https://researchingdesignforpolicy.files.wordpress.com/2015/10/kimbell_policylab_report.pdf)
- Peirce, C. (1965) *Collected Papers*. Hartshorne, C. and Weiss, P. (Eds). Belknap Press of Harvard University Press.
- Poggio, T., & Whitehead, C. (2017). Social Housing in Europe: Legacies, New Trends and the Crisis. *Critical Housing Analysis*, 4(1), 1-10. <https://doi.org/10.13060/23362839.2017.3.1.319>

Sherriff, G., Brown, P., & Butle, D. (2019). Future Directions for Fuel Poverty Research: A Delphi Study. [https://www.fuelpovertylibrary.info/sites/default/files/Eaga%20CT%20Future%20Directions%20for%20Fuel%20Poverty%20Research%20A%20Delphi%20Study%202019\\_0.pdf](https://www.fuelpovertylibrary.info/sites/default/files/Eaga%20CT%20Future%20Directions%20for%20Fuel%20Poverty%20Research%20A%20Delphi%20Study%202019_0.pdf)

Walker, G. (2008). Decentralised systems and fuel poverty: Are there any links or risks? *Energy Policy*, 36(12), 4514-4517. <https://doi.org/10.1016/j.enpol.2008.09.020>

**Keywords:** co-creation, energy poverty, policy prototyping, social housing

**Croon, T.M., Hoekstra, J.S.C.M., Elsinga, M.G., Dalla Longa, F., & Mulder, P. (2023). *Beyond headcount statistics: Exploring the utility of energy poverty gap indices in policy design*. *Energy Policy*, 177, 113579. <https://doi.org/10.1016/j.enpol.2023.113579>**

**Abstract:** Recent energy price spikes have led to increased energy poverty among low-income households living in inefficient homes. Accurate statistics on energy poverty help inform resource allocation and better target relief schemes and retrofit funds. Existing indicators are predominantly defined in terms of a headcount ratio – the share of population living below a certain threshold or poverty line. In this paper we draw from the literature on income poverty evaluation to argue that the use of more elaborate energy poverty gap indices can substantiate the design and monitoring of energy poverty policies, by not only considering incidence but also intensity and inequality of energy poverty across households. We demonstrate that the choice for a particular energy poverty (gap) indicator makes the implicit welfare choices of energy poverty policies explicit. We illustrate our arguments for the case of the Netherlands, using recently developed microdata statistics on energy poverty, and an imposed energy price shock. We show that spatial targeting of relief funds based on incidence would neglect the full depth of energy poverty deprivation. Finally, we argue that visualisation techniques from the income poverty literature help to comprehend different poverty orderings and draw comparisons between time periods, regions, and subgroups.

#### References:

Aristondo, O., De La Vega, C.L., Urrutia, A., 2010. A new multiplicative decomposition for the foster-greer-thorbecke poverty indices. *Bull. Econ. Res.* 62 (3), 259–267. <https://doi.org/10.1111/j.1467-8586.2009.00320.x>.

Bagnoli, L., Bertoméu-Sánchez, S., 2022. How effective has the electricity social rate been in reducing energy poverty in Spain? *Energy Econ.* 106 <https://doi.org/10.1016/j.eneco.2021.105792>.

Bednar, D.J., Reames, T.G., 2020. Recognition of and response to energy poverty in the United States. *Nat. Energy* 5 (6), 432–439. <https://doi.org/10.1038/s41560-020-0582-0>.

BEIS, 2021. Warm Home Discount: Better Targeted Support from 2022. [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/999412/warm-home-discount-reform.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/999412/warm-home-discount-reform.pdf).

Best, R., Hammerle, M., Mukhopadhyaya, P., Silber, J., 2021. Targeting household energy assistance. *Energy Econ.* 99 <https://doi.org/10.1016/j.eneco.2021.105311>.

Betto, F., Garengo, P., Lorenzoni, A., 2020. A new measure of Italian hidden energy poverty. *Energy policy* 138, 111237.

Boardman, B., 1991. *Fuel Poverty: from Cold Homes to Affordable Warmth*. Pinter Pub Limited.

Boardman, B., 2012. Fuel poverty synthesis: lessons learnt, actions needed. *Energy Pol.* 49, 143–148. <https://doi.org/10.1016/j.enpol.2012.02.035>.

- Bogaars, A., 2020. Fuel poverty and transport poverty in the UK: a critical examination of their future evolution in relation to government policy [PhD Thesis] University of Greenwich.  
<https://gala.gre.ac.uk/id/eprint/33982/>.
- Bouzarovski, S., Petrova, S., 2015. A global perspective on domestic energy deprivation: overcoming the energy poverty–fuel poverty binary. *Energy Res. Social Sci.* 10, 31–40.  
<https://doi.org/10.1016/j.erss.2015.06.007>.
- Bouzarovski, S., Thomson, H., Cornelis, M., 2021. Confronting energy poverty in Europe: a research and policy agenda. *Energies* 14 (4). <https://doi.org/10.3390/en14040858>.
- Burlinson, A., Giuliotti, M., Battisti, G., 2018. The elephant in the energy room: establishing the nexus between housing poverty and fuel poverty. *Energy Econ.* 72, 135–144.  
<https://doi.org/10.1016/j.eneco.2018.03.036>.
- Castano-Rosa, R., Solís-Guzmán, J., Rubio-Bellido, C., Marrero, M., 2019. Towards a multiple-indicator approach to energy poverty in the European Union: a review. *Energy Build.* 193, 36–48.  
<https://doi.org/10.1016/j.enbuild.2019.03.039>.
- Charlier, D., Legendre, B., 2021. Fuel poverty in industrialized countries: definition, measures and policy implications a review. *Energy* 236. <https://doi.org/10.1016/j.energy.2021.121557>.
- Clark, S., Hemming, R., Ulph, D., 1981. On indices for the measurement of poverty. *Econ. J.* 91, 515–526.
- Dalton, H., 1920. The measurement of the inequality of incomes. *Econ. J.* 30 (119), 348–361.
- Deller, D., Turner, G., Waddams Price, C., 2021. Energy poverty indicators: inconsistencies, implications and where next? *Energy Econ.* 103 <https://doi.org/10.1016/j.eneco.2021.105551>.
- Department of Business Energy and Industrial Strategy [BEIS], 2021a. Fuel Poverty Methodology Handbook (Low Income Low Energy Efficiency).  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/981739/fuel-poverty-methodology-handbook-2021-lilee-with-projection.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/981739/fuel-poverty-methodology-handbook-2021-lilee-with-projection.pdf).
- Department of Business Energy and Industrial Strategy [BEIS], 2021b. Sustainable Warmth Competition: Guidance for Local Authorities.  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/993972/sustainable-warmth-competition-guidance.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/993972/sustainable-warmth-competition-guidance.pdf).
- European Commission, 2020. Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions: A Renovation Wave for Europe - Greening Our Buildings, Creating Jobs, Improving Lives. <https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1603122220757&uri=CELEX:52020DC0662>.
- European Commission, 2021. Proposal for a Regulation of the European Parliament and of the Council Establishing a Social Climate Fund. [https://eur-lex.europa.eu/resource.html?uri=cellar:9e77b047-e4f0-11eb-a1a5-01aa75ed71a1.0001.02/DOC\\_3&format=PDF](https://eur-lex.europa.eu/resource.html?uri=cellar:9e77b047-e4f0-11eb-a1a5-01aa75ed71a1.0001.02/DOC_3&format=PDF).
- Faiella, I., Lavecchia, L., 2021. Energy poverty. How can you fight it, if you can't measure it? *Energy Build.* 233 <https://doi.org/10.1016/j.enbuild.2020.110692>.
- Foster, J.E., Shorrocks, A.F., 1988. Poverty orderings and welfare dominance. *Soc. Choice Welfare* 5, 179–198.
- Foster, J.E., Shorrocks, A.F., 1988a. Inequality and poverty orderings. *Eur. Econ. Rev.* 32, 654–662.
- Foster, J.E., Shorrocks, A.F., 1988b. Poverty orderings. *Econometrica* 56 (1), 173–177.
- Foster, J.E., Shorrocks, A.F., 1988c. Poverty orderings and welfare dominance. *Soc. Choice Welfare* 5 (2–3), 179–198.

- Foster, J., Shorrocks, A., 1991. Subgroup consistent poverty indices. *Econometrica* 59, 687–709.
- Foster, J.E., Greer, J., Thorbecke, E., 1984. A class of decomposable poverty measures. *Econometrica* 52 (3), 761–766.
- Foster, V., Tre, J.P., Wodon, Q., 2000. Energy prices, energy efficiency, and fuel poverty. <http://www.mediaterre.org/docactu,bWF4aW0vZG9jcy9wZTE=,1.pdf>.
- Galvin, R., 2022. Radically reducing UK energy poverty by the 10% and LIHC indicator through progressive fiscal policy: what would it cost, who would pay, and what are the consequences for CO2 emissions? *Science Talks* 4. <https://doi.org/10.1016/j.sctalk.2022.100081>.
- Haffner, M., Heylen, K., 2011. User costs and housing expenses. Towards a more comprehensive approach to affordability. *Hous. Stud.* 26 (4), 593–614. <https://doi.org/10.1080/02673037.2011.559754>.
- Harrington, B.E., Heyman, B., Merleau-Ponty, N., Stockton, H., Richie, N., Heyman, A., 2005. Keeping warm and staying well: findings from the qualitative arm of the Warm Homes Project. *Health Soc. Care Community* 3, 259–267. <https://doi.org/10.1111/j.1365-2524.2005.00558.x>.
- Heindl, P., 2015. Measuring fuel poverty: general considerations and application to German household data. *Finanzarchiv* 71 (2). <https://doi.org/10.1628/001522115x14285723527593>.
- Hesselman, M., Varo, A., Guyet, R., Thomson, H., 2021. Energy poverty in the COVID-19 era: mapping global responses in light of momentum for the right to energy. *Energy Res. Social Sci.* 81, 102246 <https://doi.org/10.1016/j.erss.2021.102246>.
- Hills, J., 2012. Getting the Measure of Fuel Poverty: Final Report of the Fuel Poverty Review. <http://eprints.lse.ac.uk/43153>.
- Howden-Chapman, P., Matheson, A., Crane, J., Viggers, H., Cunningham, M., Blakely, T., Cunningham, C., Woodward, A., Saville-Smith, K., O’Dea, D., Kennedy, M., Baker, M., Waipara, N., Chapman, R., Davie, G., 2007. Effect of insulating existing houses on health inequality: cluster randomised study in the community. *BMJ* 334 (7591), 460. <https://doi.org/10.1136/bmj.39070.573032.80>.
- Imbert, I., Nogues, P., Sevenet, M., 2016. Same but different: on the applicability of fuel poverty indicators across countries—insights from France. *Energy Res. Social Sci.* 15, 75–85. <https://doi.org/10.1016/j.erss.2016.03.002>.
- Isherwood, B.C., Hancock, R.M., 1979. Household Expenditure on Fuel: Distributional Aspects.
- Jenkins, S.P., Lambert, P.J., 1997. Three ‘I’s of poverty curves, with an analysis of UK poverty trends. *Oxf. Econ. Pap.* 49 (3), 317–327.
- Jenkins, S.P., Lambert, P.J., 1998a. Ranking poverty gap distributions: further TIPs for poverty analysis. *Res. Econ. Inequal.* 8, 39–56.
- Jenkins, S.P., Lambert, P.J., 1998b. Ranking poverty gap distributions: TIPs for poverty analysis. *Res. Econ. Inequal.* 8, 31–38.
- Kakwani, N., 1980. On a class of poverty measures. *Econometrica* 48 (2), 437–446.
- Kakwani, N., 1999. Inequality, welfare and poverty. In: Silber, J. (Ed.), *Handbook of Income Inequality Measurement*. Kluwer Academic, pp. 599–628.
- Kanbur, R., 1987. Transfers, targeting and poverty. *Econ. Pol.* 2 (4), 111–147.
- Kearns, A., Whitley, E., Curl, A., 2019. Occupant behaviour as a fourth driver of fuel poverty (aka warmth & energy deprivation). *Energy Policy* 129, 1143–1155.
- Legendre, B., Ricci, O., 2015. Measuring fuel poverty in France: which households are the most fuel vulnerable? *Energy Econ.* 49, 620–628. <https://doi.org/10.1016/j.eneco.2015.01.022>.

- Liddell, C., Guiney, C., 2015. Living in a cold and damp home: frameworks for understanding impacts on mental well-being. *Publ. Health* 129 (3), 191–199. <https://doi.org/10.1016/j.puhe.2014.11.007>.
- Liddell, C., Morris, C., 2010. Fuel poverty and human health: a review of recent evidence. *Energy Pol.* 38 (6), 2987–2997. <https://doi.org/10.1016/j.enpol.2010.01.037>.
- Longhurst, N., Hargreaves, T., 2019. Emotions and fuel poverty: the lived experience of social housing tenants in the United Kingdom. *Energy Res. Social Sci.* 56 <https://doi.org/10.1016/j.erss.2019.05.017>.
- Lorenz, M.O., 1905. Methods of measuring the concentration of wealth. *Publ. Am. Stat. Assoc.* 9 (70), 209–219. <https://doi.org/10.1080/15225437.1905.10503443>.
- Meyer, S., Laurence, H., Bart, D., Middlemiss, L., Mar´echal, K., 2018. Capturing the multifaceted nature of energy poverty: lessons from Belgium. *Energy Res. Social Sci.* 40, 273–283. <https://doi.org/10.1016/j.erss.2018.01.017>.
- Middlemiss, L., 2017. A critical analysis of the new politics of fuel poverty in England. *Crit. Soc. Pol.* 37 (3), 425–443. <https://doi.org/10.1177/0261018316674851C>.
- Ministerie van Binnenlandse Zaken en Koninkrijksrelaties [BZK], 2021. Gemeentebrief Midden Aanpak Energiearmoede. <https://www.rijksoverheid.nl/documenten/brieven/2021/12/14/gemeentebrief-middelen-aanpak-energiearmoede>.
- Miřsík, M., 2022. The EU needs to improve its external energy security. *Energy Pol.* 165 <https://doi.org/10.1016/j.enpol.2022.112930>.
- Moore, R., 2011. The Hills Fuel Poverty Review Proposal for a New Definition of Fuel Poverty: an Analysis. <https://beatcold.org.uk/wp-content/uploads/2011/11/The-Hills-fuel-poverty-review-proposal-for-a-new-definition-of-fuel-poverty-an-analysis.pdf>.
- Moore, R., 2012. Definitions of fuel poverty: implications for policy. *Energy Pol.* 49, 19–26. <https://doi.org/10.1016/j.enpol.2012.01.057>.
- Morduch, J., 2005. Chapter III. Poverty measures. In: Cheung, P. (Ed.), *Handbook on Poverty Statistics: Concepts, Methods and Policy Use*. UN Statistics.
- Mulder, P., Dalla Longa, F., Straver, K., 2023. Energy poverty in The Netherlands at the national and local level: a multi-dimensional spatial analysis. *Energy Res. Social Sci.* 96 <https://doi.org/10.1016/j.erss.2022.102892>.
- Nussbaumer, P., Bazilian, M., Modi, V., 2012. Measuring energy poverty: focusing on what matters. *Renew. Sustain. Energy Rev.* 16 (1), 231–243. <https://doi.org/10.1016/j.rser.2011.07.150>.
- Pahle, M., Tietjen, O., Osorio, S., Egli, F., Steffen, B., Schmidt, T.S., Edenhofer, O., 2022. Safeguarding the energy transition against political backlash to carbon markets. *Nat. Energy* 7 (3), 290–296. <https://doi.org/10.1038/s41560-022-00984-0>.
- Pelz, S., Pachauri, S., Groh, S., 2018. A critical review of modern approaches for multidimensional energy poverty measurement. *WIREs Energy Environ.* 7 (6) <https://doi.org/10.1002/wene.304>.
- Primc, K., Dominko, M., Slabe-Erker, R., 2021. 30 years of energy and fuel poverty research: a retrospective analysis and future trends. *J. Clean. Prod.* 301 <https://doi.org/10.1016/j.jclepro.2021.127003>.
- Rademaekers, K., Yearwood, J., Ferreira, A., Pye, S., Hamilton, I., Agnolucci, D.G., Kar´asek, J.. Selecting Indicators to Measure Energy Poverty. <https://discovery.ucl.ac.uk/id/eprint/1502423/1/Selecting%20Indicators%20to%20Measure%20Energy%20Poverty.pdf>.

Ravallion, M., 2016. *The Economics of Poverty: History, Measurement and Policy*. Oxford University Press.

Rijksoverheid, 2022. Maatregelenpakket om gevolgen stijgende energieprijzen en aanhoudende inflatie te verzachten.

<https://www.rijksoverheid.nl/actueel/nieuws/2022/03/11/maatregelenpakket-om-gevolgen-stijgende-energieprijzen-en-aanhoudende-inflatie-te-verzachten>.

Roberts, D., Vera-Toscano, E., Phimister, E., 2015. Fuel poverty in the UK: is there a difference between rural and urban areas? *Energy Pol.* 87, 216–223.

<https://doi.org/10.1016/j.enpol.2015.08.034>.

Romero, J.C., Linares, P., Lopez, X., 2018. The policy implications of energy poverty indicators. *Energy Pol.* 115, 98–108. <https://doi.org/10.1016/j.enpol.2017.12.054>.

Sefton, T., 2002. Targeting fuel poverty in England: is the government getting warm? *Fisc. Stud.* 23 (3), 369–399. <https://doi.org/10.1111/j.1475-5890.2002.tb00065.x>.

Sen, A., 1976. Poverty: an ordinal approach to measurement. *Econometrica* 44 (2), 219–231.

Siksnylyte-Butkiene, I., Streimikiene, D., Lekavicius, V., Balezentis, T., 2021. Energy poverty indicators: a systematic literature review and comprehensive analysis of integrity. *Sustain. Cities Soc.* 67 <https://doi.org/10.1016/j.scs.2021.102756>.

Simoes, S.G., Gregorio, V., Seixas, J., 2016. Mapping fuel poverty in Portugal. *Energy Proc.* 106, 155–165. <https://doi.org/10.1016/j.egypro.2016.12.112>.

Simshauser, P., 2021. Vulnerable households and fuel poverty: measuring the efficiency of policy targeting in Queensland. *Energy Econ.* 101

<https://doi.org/10.1016/j.eneco.2021.105405>.

Snell, C., Bevan, M., Thomson, H., 2015. Justice, fuel poverty and disabled people in England. *Energy Res. Social Sci.* 10, 123–132. <https://doi.org/10.1016/j.erss.2015.07.012>.

Statistics Netherlands, 2021. Microdata (Non-public). <https://www.cbs.nl/nl-nl/onze-diensten/maatwerk-en-microdata/microdata-zelf-onderzoek-doen/catalogus-microdata>.

Statistics Netherlands, 2022. Gemiddelde energietarieven voor consumenten [In Dutch]. <https://opendata.cbs.nl/#/CBS/nl/dataset/84672NED/table>.

Sunikka-Blank, M., Galvin, R., 2012. Introducing the prebound effect: the gap between performance and actual energy consumption. *Build. Res. Inf.* 40 (3), 260–273.

<https://doi.org/10.1080/09613218.2012.690952>.

Thomson, H., Bouzarovski, S., Snell, C., 2017. Rethinking the measurement of energy poverty in Europe: a critical analysis of indicators and data. *Indoor Built Environ.* 26 (7), 879–901.

<https://doi.org/10.1177/1420326X17699260>.

Tirado Herrero, S., 2017. Energy poverty indicators: a critical review of methods. *Indoor Built Environ.* 26 (7), 1018–1031. <https://doi.org/10.1177/1420326X17718054>.

European Union, 2019. Directive (EU) 2019/944 of the European Parliament and of the Council of 5 June 2019 on Common Rules for the Internal Market for Electricity and Amending Directive 2012/27/EU. <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32019L0944>.



Van Middelkoop, M., Kremer, A.M., 2020. Energielevering woningen naar energielabel en PV. 2018 [In Dutch]. <https://www.cbs.nl/nl-nl/maatwerk/2020/13/energielevering-woningen-naar-energielabel-en-pv-2018>.

Walker, G., Day, R., 2012. Fuel poverty as injustice: integrating distribution, recognition and procedure in the struggle for affordable warmth. *Energy Pol.* 49, 69–75. <https://doi.org/10.1016/j.enpol.2012.01.044>.

Walker, R., Liddell, C., McKenzie, P., Morris, C., Lagdon, S., 2014. Fuel poverty in Northern Ireland: humanizing the plight of vulnerable households. *Energy Res. Social Sci.* 4, 89–99. <https://doi.org/10.1016/j.erss.2014.10.001>.

Watts, H.W., 1968. An economic definition of poverty. In: *Agricultural Economics Seminar*. Greensboro, NC.

**Keywords:** energy poverty, energy transition, fuel poverty, poverty gap, targeted policy

**Davis, A., & Quintana, A. (2023, March). *Rethinking housing as a kit-of-parts and shearing layers: An LCA approach*. In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference (pp. 78-82)*. Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** There is growing interest to utilise Industrialised Construction (IC) in combination with Design for Disassembly (DfD) to provide sustainable and affordable housing based on circular economy principles. A circular approach to construction is a high priority in the EU and on a global scale, as highlighted by the Circular Economy Action Plan, the Europe-wide framework Level(s), and changes in leading Green Building assessments. These assessments are increasingly reliant on quantitative data and cradle-to-cradle Life Cycle Assessments (LCA) to measure resource and energy efficiency. However, applying a Whole Building LCA to industrialised housing designed for disassembly is an unresolved issue. Industry professionals apply different lifespans to conduct the assessment, which often do not take into account the varying lifespans of different building components.

It is important to use a reliable Whole Building LCA methodology that is aligned with sustainable construction practices, not only to appropriately measure and reduce the environmental impact of housing, but crucially to be able to define environmental targets at a policy level. Therefore, the aim of this paper is to improve the conventional Whole Building LCA methodology, for application to housing built using DfD in combination with IC. The long-term aim of the on-going research is to enable technical stakeholders to make better informed design decisions throughout all building stages and provide sustainable solutions based on more accurate information, within a less time-consuming process.

Within this paper, an adaptation of the ISO standards for LCA is proposed for large, prefabricated building components. This will be achieved by aggregating LCAs to form a cradle-to-cradle Whole Building LCA, which takes into consideration the different lifespans for building layers based on the Shearing Layers concept. To provide a more holistic overview of sustainability impacts, costing related to construction and maintenance and demolition will support the results. The methodology will be tested on research projects undertaken at the Universitat Politècnica de València (UPV).

The expected outcome of this project is an outline methodology to be used in industry, which will include a roadmap and recommendations to achieve this.

**References:**

Andersson, N., & Lessing, J. (2017). The Interface between Industrialized and Project-Based Construction. *Procedia Engineering*, 196, 220–227.

<https://doi.org/https://doi.org/10.1016/j.proeng.2017.07.193>

ARUP (2016). The Circular Economy in the Built Environment.

<https://www.arup.com/perspectives/publications/research/section/circular-economy-in-the-built-environment>

Brand, S. (1994). *How buildings learn: what happens after they're built*. Viking.

Crowther, P. (2005). RAIABDP Environment Design Guide: Design for Disassembly - Themes and Principles. *Environment design guide*, 1-7.

Cruz Rios, F., & Grau, D. (2019). Circular Economy in the Built Environment: Designing, Deconstructing, and Leasing Reusable Products. In *Encyclopedia of Renewable and Sustainable Materials* (pp. 338–343). Elsevier. <https://doi.org/10.1016/b978-0-12-803581-8.11494-8>

Densley Tingley, D., & Davison, B. (2012). Developing an LCA methodology to account for the environmental benefits of design for deconstruction. *Building and Environment*, 57, 387–395.

<https://doi.org/10.1016/j.buildenv.2012.06.005>

Dodd, N., & Donatello, S. (2020). Level(s) indicator 1.2: Life cycle Global Warming Potential (GWP).

[https://susproc.jrc.ec.europa.eu/product-bureau/sites/default/files/2020-10/20201013%20New%20Level\(s\)%20documentation\\_Indicator%201.2\\_Publication%20v1.0.pdf](https://susproc.jrc.ec.europa.eu/product-bureau/sites/default/files/2020-10/20201013%20New%20Level(s)%20documentation_Indicator%201.2_Publication%20v1.0.pdf)

Duffy, F. (1992). *The Changing Workplace*. Phaidon Press.

EC (2010). *ILCD Handbook - General Guide for Life Cycle Assessment: Detailed Guidance* (1st ed.).

Publications Office of the European Union. EC (2022). *EU Buildings Factsheets*.

[https://ec.europa.eu/energy/eu-buildings-factsheets\\_en](https://ec.europa.eu/energy/eu-buildings-factsheets_en)

EMF (2015). *Growth Within: A Circular Economy Vision for a Competitive Europe*.

[https://emf.thirdlight.com/file/24/\\_ABkCs\\_h7gRYB\\_Am9L\\_JfbYWF/Growth%20within%3A%20a%20circular%20economy%20vision%20for%20a%20competitive%20Europe.pdf](https://emf.thirdlight.com/file/24/_ABkCs_h7gRYB_Am9L_JfbYWF/Growth%20within%3A%20a%20circular%20economy%20vision%20for%20a%20competitive%20Europe.pdf)

Howe, A. S., Ishii, I., & Yoshida, T. (1999). Kit-of-parts: A review of object-oriented construction techniques. <https://doi.org/10.22260/ISARC1999/0025>

Joensuu, T., Leino, R., Heinonen, J., & Saari, A. (2022). Developing Buildings' Life Cycle Assessment in Circular Economy-Comparing methods for assessing carbon footprint of reusable components.

*Sustainable Cities and Society*, 77. <https://doi.org/10.1016/j.scs.2021.103499>

Pushkar, S., & Verbitsky, O. (2014). LCA of different building lifetime shearing layers for the allocation of green points. *WIT Transactions on the Built Environment*, 142, 459–469.

<https://doi.org/10.2495/ARC140391>

**Keywords:** affordable housing, cradle-to-cradle, design-for-disassembly, industrialised construction, life cycle assessment

**Elghandour, A., & Hadjri, K. (2023, August). *Rethinking housing affordability to advocate the design for health and wellbeing*. In 21st ISQOLS Annual Conference, Rotterdam, the Netherlands.**

**Abstract:** Poor housing conditions such as overcrowding, dampness, and inadequate thermal insulation often fall within the challenging realm of housing affordability. These conditions seriously risk a household's health and wellbeing (H+W) and the entire national health system. Decisions made during the design development stages of a residential building can contribute to both households' H+W and



housing affordability. This study presents a review to explore the connection between housing affordability, households' H+W, and design. It aims to highlight the designers' role in advocating the rights of households' H+W in the design process of affordable housing. The review is carried out to achieve the following objectives: (1) to understand the common measuring methods of housing affordability to identify its potential to inform design stages, (2) to draw designers' attention to some of the current global challenges on H+W and affordability such as housing prices, energy poverty, and Covid-19 pandemic, (4) Identify the areas where design can contribute to H+W and housing affordability. The review revealed four key factors to be incorporated when labelling a house as "Affordable" to respect households' H+W. It also identified four housing affordability goals for designers and providers to support low-income households' H+W resilience during stressful times. In addition, three cost-related categories have been identified where design can contribute to housing affordability.

#### References:

Affordable Housing Commission (2019) 'Defining and Measuring Housing Affordability-An Alternative Approach'.

British Research Establishment (BRE) 2021 report titled: "The cost of poor housing in England".

Bogenstätter, U. (2000). Prediction and optimization of life-cycle costs in early design. Building Research and Information

Haffner, M., & Heylen, K. (2011). User costs and housing expenses. towards a more comprehensive approach to affordability. Housing Studies

Liddell, C., & Guiney, C. (2015). Living in a cold and damp home: Frameworks for understanding impacts on mental well-being. Public Health

Liddell, C., & Morris, C. (2010). Fuel poverty and human health: A review of recent evidence. Energy Policy.

Goh, B. H., & Sun, Y. (2016). The development of life-cycle costing for buildings. Building Research and Information.

Prochorskaite, A., et al (2016). Housing Stakeholder Preferences for the "Soft" Features of Sustainable and Healthy Housing Design in the UK. International Journal of Environmental Research and Public Health.

**Keywords:** design, England, health and wellbeing, household health, housing affordability, transdisciplinarity, UK housing

**Elghandour, A. (2023, June). *Affordability-led decisions impacting households' health and economic wellbeing - A transdisciplinary perspective*. In: Schweiker, M. et al. (Eds.), *Proceedings of Healthy Buildings 2023 Europe* (pp. 482-484). Aachen, Germany.**

**Abstract:** Household health and wellbeing (H+W) is one of the most important determinants of public health. In the UK, the impact of poor housing costs the National Health Service (NHS) over £1 billion a year. In times of economic challenge, these pressures can increase. On the one hand, low- and low-to-middle-income communities may sacrifice their standard of living to reduce spending. On the other hand, with the housing crisis, there is a risk that unfit properties will be deemed affordable, overlooking aspects of H+W.

Design can play a key role through the decisions made at the design development stages, therefore helping to reduce these pressures on the public sector and remove potential risks. For example,

decisions on parameters of the size, position and material of windows affect daylight and noise levels, connectedness with nature, and the residents' sense of privacy, the lack of which have been linked to mental health symptoms in Europe, according to the World Health Organization (WHO). These parameters also influence ventilation and thermal comfort and therefore correlate with mould growth and respiratory illnesses. So far, the literature on the impact of design on household H+W is fragmented when it comes to guiding the design process of affordable homes.

Moreover, there is a lack of a comprehensive perspective on the design of healthy homes that promote wellbeing and yet are affordable. Therefore, this study will take a transdisciplinary approach to promote mutual learning between housing stakeholders engaged in the design and affordability of housing, and the health and wellbeing of households, in order to inform the study. This approach aims to explore and map existing knowledge to demonstrate the potential contribution of designers to the H+W of household members. To this end, an extensive literature review and interviews with stakeholders from the health and housing sectors will be conducted. This would enable the development of a design taxonomy for household H+W, to provide an effective tool for designers to prioritize the household H+W and support their decision-making during the design process.

#### References:

- AHC. (2019). Defining and Measuring Housing Affordability-An Alternative Approach. In Affordable Housing Commission. [www.affordablehousingcommission.org](http://www.affordablehousingcommission.org)
- Boomsma, C., Pahl, S., Jones, R. V., & Fuertes, A. (2017). "Damp in bathroom. Damp in back room. It's very depressing!" exploring the relationship between perceived housing problems, energy affordability concerns, and health and well-being in UK social housing. *Energy Policy*, 106(April), 382–393. <https://doi.org/10.1016/j.enpol.2017.04.011>
- EHS. (2020). English Housing Survey - Housing quality and condition. In Department for Levelling Up Housing and Communities, National Statistics. [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/1088447/EHS\\_Housing\\_quality\\_and\\_condition\\_report\\_2020.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1088447/EHS_Housing_quality_and_condition_report_2020.pdf)
- Garrett, H., Mackay, M., Nicol, S., Piddleton, J., & Roys, M. (2021). The cost of poor housing in England. Building Research Establishment Ltd., 1–16.
- Mulliner, E., Smallbone, K., & Maliene, V. (2013). An assessment of sustainable housing affordability using a multiple criteria decision making method. *Omega (United Kingdom)*, 41(2), 270–279. <https://doi.org/10.1016/j.omega.2012.05.002>
- OECD. (2020). Social housing: A key part of past and future housing policy. *Employment, Labour, and Social Affairs Policy Briefs*, OECD, 1–32.
- RIBA. (2020). RIBA Plan of Work 2020 Overview. RIBA. <https://doi.org/10.4324/9780429347177-2>
- WHO. (2018). WHO Housing and health guidelines. World Health Organization, 149. <http://www.who.int/phe%0Ahttp://apps.who.int/bookorders>.

**Keywords:** affordable housing, design, England, health and wellbeing, household health, transdisciplinarity, UK housing

**Fernández, A., & Bežovan, G. (2023, May). Uloga hipotekarnih subvencija u strategiji hrvatskog gospodarskog rasta: političko-ekonomski pristup SSK-u. The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK. In Tomić-Koludrović, I. et al. (Eds.), Book of Abstracts, 9th National Sociological Congress of the Croatian**

**Sociological Society (pp. 35-36), Split, Croatia.** <http://hsd.hr/wp-content/uploads/sites/598/2023/05/Knjiga-sazetaka-2023.pdf>

**Abstract:** Since 2017, Croatian housing policy has focused on promoting homeownership through the SSK programme – a form of mortgage subsidisation that covers a proportion of housing costs. Although this policy aimed to improve affordability and increase homeownership, a recent economic evaluation has shown that the SSK has in fact contributed to rising house prices and has been ineffective at raising the homeownership rate. While econometric research has identified the impact that the SSK has had on house price volatility and affordability, the underlying factors leading to the implementation of this subsidy, as well as its broader societal impacts, remain under-researched. Through a political-economy lens, this paper analyses the context that led to the inception of the SSK, its core targeting principles, and its impact on the housing market. We ask: How does this subsidy position the Croatian housing market within the national strategy for economic growth and social policy provision? We argue that this policy's impact on housing markets is twofold. First, the SSK reinforces a shift towards financialised growth through increased asset prices. Second, this subsidy shifts the focus of social policy towards mortgage markets, thereby furthering the privatisation of the welfare state and favouring middle income groups. This paper's contribution resides in critically discussing the SSK beyond its stated goals and contextualising it within the broader model of economic growth dependent on private finance. Through interviews with relevant stakeholders, descriptive data indicators, and a review of policy documents, this paper characterises the Croatian growth strategy as a form of small-scale financialization that relies on aligning social policy with mortgage markets. Finally, we position the SSK within a wider array of finance-led housing policies and suggest the formulation of a comprehensive housing strategy tailored to the broader segments of Croatian society. This research is part of Horizon 2020, a Marie Curie ITN project, RE-DWELL Delivering Affordable and Sustainable Housing in Europe.

**Keywords:** financialization, growth regime, housing policy, mortgage subsidy, welfare state

**Fernández, A., & Bežovan, G. (2023). *The Role of Mortgage Subsidies in the Croatian Economic Growth Strategy: a Political-Economy Approach to the SSK*. *Critical Housing Analysis*, 10(1), 50-65.** <https://dx.doi.org/10.13060/23362839.2023.10.1.553>

**Abstract:** Since 2017, Croatian housing policy has focused on promoting homeownership through the SSK programme – a form of mortgage subsidisation that covers a proportion of housing costs. Although this policy aimed to improve affordability and increase homeownership, a recent economic evaluation has shown that the SSK has in fact contributed to rising house prices and has been ineffective at raising the homeownership rate. While econometric research has identified the impact that the SSK has had on house price volatility and affordability, the underlying factors leading to the implementation of this subsidy, as well as its broader societal impacts, remain under-researched. Through a political-economy lens, this paper analyses the context that led to the inception of the SSK, its core targeting principles, and its impact on the housing market. We ask: How does this subsidy position the Croatian housing market within the national strategy for economic growth and social policy provision? We argue that this policy's impact on housing markets is twofold. First, the SSK reinforces a shift towards financialised growth through increased asset prices. Second, this subsidy shifts the focus of social policy towards mortgage markets, thereby furthering the privatisation of the welfare state and favouring middle income groups. This paper's contribution resides in critically discussing the SSK beyond its stated goals and contextualising it within the broader model of economic growth dependent on private finance. Through interviews with relevant stakeholders, descriptive data indicators, and a review of policy documents, this paper characterises the Croatian growth strategy as a form of small-scale financialization that relies on aligning social policy with mortgage markets. Finally, we position the SSK within a wider array of finance-led housing policies and

suggest the formulation of a comprehensive housing strategy tailored to the broader segments of Croatian society.

References:

Aalbers, M. B. 2019. 'Financialization.' Pp. 1-12. In D. Richardson, N. Castree, M. F. Goodchild, A. Kobayashi, W. Liu, & R. A. Marston (eds.) *International Encyclopedia of Geography* Chichester, UK: Wiley. DOI: <https://doi.org/10.1002/9781118786352.wbieg0598.pub2>

Aalbers, M. B., B. Christophers 2014. 'Centring Housing in Political Economy.' *Housing, Theory and Society* 31 (4): 373-394. DOI: <https://doi.org/10.1080/14036096.2014.947082>

Arundel, R., R. Ronald 2021. 'The false promise of homeownership: Homeowner societies in an era of declining access and rising inequality.' *Urban Studies* 58 (6): 1120–1140. DOI: <https://doi.org/10.1177/0042098019895227>

Bežovan, G. 2019. 'Stanovanje i stambena politika' [Housing and Housing Policy]. Pp. 399- 460 in G. Bežovan (ed.) *Socijalna politika Hrvatske*. Zagreb: Pravni fakultet Sveučilišta u Zagrebu.

Bežovan, G. 2018. 'Croatia: Towards Formalisation.' Pp. 149-167 in J. Hegedüs, M. Lux, V. Horváth (eds.) *Private Rental Housing in Transition Countries: An Alternative to Home Ownership?* London: Palgrave-Macmillan.

Bežovan, G. 2013. 'Croatia: The Social Housing Search Delayed by Post-War Reconstruction.' 182-145. in: J. Hegedüs, M. Lux, N. Teller (eds.). *Social Housing in Transitional Countries*. New York, London: Routledge.

Crouch, C. 2011. *The strange non-death of neoliberalism*. Cambridge: Polity Press.

CBS (Croatian Bureau of Statistics) 2021. *Popis stanovništva 2011*. Zagreb: DZS. Retrieved March 3, 2011, from <https://dzs.gov.hr/>

ESRB (European Systemic Risk Board) 2021. *Warning of the European Systemic Risk Board*. Retrieved March 3, 2011, from <https://www.esrb.europa.eu/mppa/warnings/html/index.en.html>

Eurostat 2021. *European Union Statistics on Income and Living Conditions*. Retrieved March 3, 2011, from <https://ec.europa.eu/eurostat/web/microdata/european-union-statistics-on-income-and-living-conditions>

EMF (European Mortgage Federation) 2021. *Hypostat 2021. A Review of Europe's Mortgage and Housing Markets*. Brussels: European Mortgage Federation.

Fikse, E., M. Aalbers 2021. 'The really big contradiction: homeownership discourses in times of financialization.' *Housing Studies* 36 (10): 1600-1617. DOI: <https://doi.org/10.1080/02673037.2020.1784395>

Gil García, J., M. A. Martínez López 2023. 'State-Led Actions Reigniting the Financialization of Housing in Spain.' *Housing, Theory and Society* 40 (1): 1–21. DOI: <https://doi.org/10.1080/14036096.2021.2013316>

Hall, P. A. 2020. 'How Growth Strategies Evolve in the Developed Democracies.' Pp. 57–97 in A. Hassek, B. Palier (eds.) *Growth and Welfare in Advanced Capitalist Economies*. Oxford: Oxford University Press. DOI: <https://doi.org/10.1093/oso/9780198866176.003.0002>

Hassel, A., B. Palier 2020. 'Tracking the Transformation of Growth Regimes in Advanced Capitalist Economies.' Pp. 3-57 in A. Hassek, B. Palier (eds.) *Growth and Welfare in Advanced Capitalist Economies*. Oxford: Oxford University Press. DOI: <https://doi.org/10.1093/oso/9780198866176.003.0002>

- HNB (Croatian National Bank) 2021. Housing Price Indices. Retrieved March 3, 2011, from <https://www.hnb.hr/en/statistics/statistical-data>
- Hofman, A., M. B. Aalbers 2019. 'A finance- and real estate-driven regime in the United Kingdom.' *Geoforum* 100 (March 2019): 89–100. DOI: <https://doi.org/10.1016/j.geoforum.2019.02.014>
- Howard, C. 1997. *The hidden welfare state: Tax expenditures and social policy in the United States*. Princeton: Princeton University Press.
- Hochstenbach, C., M. B. Aalbers 2023. 'The uncoupling of house prices and mortgage debt: Towards wealth-driven housing market dynamics.' *International Journal of Housing Policy* (first published online February 13, 2023). DOI: <https://doi.org/10.1080/19491247.2023.2170542>
- Lux, M., M. Hájek, L. Kázmér 2017. 'Application of Agent-based Modelling for Estimation of Norm-based Dynamics of Housing Systems.' *Housing, Theory and Society* 34 (4): 379- 398. DOI: <https://doi.org/10.1080/14036096.2017.1288168>
- Mian, A., K. Rao, A. Sufi 2013. 'Household Balance Sheets, Consumption, and the Economic Slump.' *The Quarterly Journal of Economics* 128 (4): 1687–1726. DOI: <https://doi.org/10.1093/qje/qjt020>
- Mikuš, M. 2020. *Financialization of the state in Croatia: findings of an interview-based case study*. GEOFIN Working Paper No.9. Dublin: GEOFIN research, Trinity College Dublin. Retrieved March 3, 2011, from <https://geofinresearch.eu/outputs/working-papers>
- Kemeny, J. 1981. *The Myth of Home Ownership: Private versus Public Choices in Housing Tenure*. London: Routledge.
- Kunovac, D., I. Zilic, I. 2022. 'The effect of housing loan subsidies on affordability: Evidence from Croatia.' *Journal of Housing Economics* 55 (March 2022): 101808. DOI: <https://doi.org/10.1016/j.jhe.2021.101808>
- Mikuš, M. 2022. 'Whither Peripheral Financialisation? Housing Finance in Croatia since the Global Financial Crisis.' *Critical Housing Analysis* 9 (1): 11.
- Kholodilin, K. A., S. Kohl, A. Korzhenevych,, L. Pfeiffer 2023. 'The hidden homeownership welfare state: An international long-term perspective on the tax treatment of homeowners.' *Journal of Public Policy* 43 (1): 86 - 114. DOI: <https://doi.org/10.1017/S0143814X2200023X>
- Piazzesi, M., M. Schneider 2016. *Housing and Macroeconomics? Working paper*. Stanford: Stanford University. Retrieved March 3, 2011, from <https://web.stanford.edu/~piazzesi/housingandmacroeconomics.pdf>
- Reisenbichler, A. 2020. 'Housing Finance Between Social Welfare and Growth Strategies.' Pp. 320–348 in A. Hassel, B. Palier (eds.) *Growth and Welfare in Advanced Capitalists Economies*. Oxford: Oxford University Press.
- Rodik, P., T. Matković, J. Pandžić 2019. 'Stambene karijere u Hrvatskoj: od samoupravnog socijalizma do krize financijskog kapitalizma.' *Croatian sociological review* 49 (3): 319-348. DOI: <https://doi.org/10.5613/rzs.49.3.1>
- Schelkle, W. 2012. 'A crisis of what? Mortgage credit markets and the social policy of promoting homeownership in the United States and in Europe.' *Politics and Society* 40 (1): 59– 80. DOI: <https://doi.org/10.1177/0032329211434690>
- Stephens, M., M. Lux, P. Sunega 2015. 'Post-Socialist Housing Systems in Europe: Housing Welfare Regimes by Default?' *Housing Studies* 30 (8): 1210-1234. DOI: <https://doi.org/10.1080/02673037.2015.1013090>

Stubbs, P. 2019. 'Towards a political economy of welfare in Croatia.' *Economic Annals* 64 (223): 105–136. DOI: <https://doi.org/10.2298/EKA1923105S>

Vizek, M., N. Stojčić, J. Mikulić 2022. 'Spatial spillovers of tourism activity on housing prices: The case of Croatia.' *Tourism Economics* (first published online June 11, 2022). DOI: <https://doi.org/10.1177/13548166221106442>

World Bank 2022. Stocks traded, total value (% of GDP), World Federation of Stock Exchanges. Retrieved March 3, 2011, from <https://data.worldbank.org/indicator/CM.MKT.TRAD.GD.ZS?locations=HR>

Zagreb Stock Exchange 2022. Market Data and Statistics. Retrieved March 3, 2011, from <https://zse.hr/en/statistics/20>

Zakon o subvencioniranju stambenih kredita (Law on housing loans' subsidy) Official Gazette 65/2017, 61/2018, 66/2019 and 146/2020.

Zakon o stambenom potrošačkom kreditiranju (Law on housing consumer loans) 2017. Official Gazette 101/2017.

**Keywords:** East European housing, home ownership, housing economics, housing finance, welfare policy

**Haffner, M., Horvat, M., & van Bortel, G. (2023, June). *The Comeback of the Dutch Social Landlords? History and Future Perspectives*. In European Network for Housing Research (ENHR) Conference 2023, Lodz, Poland.**

**Abstract:** Throughout history, the role and target group of Dutch housing associations have changed with regard to the role of the market and the state in the provision of social housing. Different periods have seen different housing challenges and government interventions that have given Dutch housing associations different powers in terms of autonomy, funding and regulation. This paper explores how this role changed for Dutch housing associations in light of regulatory and macroeconomic changes in the past 150 years. This historical overview contextualises current and future challenges in the Dutch housing market. We analyse the potential of the Dutch housing associations in meeting national housing policy targets and if the recent regulatory changes affected their role and target group. We argue that Dutch housing associations once again have a major role to provide housing for vulnerable groups and middle-income populations, while having a role to provide a significant amount of social housing.

**References:**

AEDES (2016) Dutch social housing in a nutshell. Examples of social innovation for people and communities. Internal publication

Boelhouwer, P. (2019). The housing market in The Netherlands as a driver for social inequalities: proposals for reform. *International Journal of Housing Policy*, 20(3), 447–456. <https://doi.org/10.1080/19491247.2019.1663056>

Boelhouwer, P. (2022). The housing crisis in the Netherlands; background. [Manuscript submitted for publication].

Boelhouwer, P. & Van der Heijden (2002). Housing systems in Europe. Part I: A comparative study of housing policy. Delft University Press, ISBN 90-6275-769-3



Brandsen, T., Van de Donk, W., & Putters, K. (2005). Griffins or chameleons? Hybridity as a permanent and inevitable characteristic of the third sector. *International Journal of Public Administration*, 28(9), 749-765.

CBS (2020). How many dwellings in the Netherlands? Accessed on December 2nd 2022, <https://longreads.cbs.nl/the-netherlands-in-numbers-2020/how-many-dwellings-in-the-netherlands/>

CBS (2023) Voorraad woningen; eigendom, type verhuurder, bewoning, regio, <https://opendata.cbs.nl/statline/#/CBS/nl/dataset/82900NED/table?ts=1685020951491>, (19 January last updated), accessed June 1st 2023

Dekker, P. (2004) The Netherlands: from private initiatives to non-profit hybrids and back? In Evers, A. & Laville, J. L. (Ed.) *The Third Sector in Europe, Globalization and welfare*, Edward Elgar Cheltenham, UK, ISBN 1 84376 400 8

Elsinga, M., Heijden, H. van der, & Gomez, R. D. (2020). Impact of social housing on the social structure of the Randstad. In *The Randstad* (pp. 188–206). Routledge. <https://doi.org/10.4324/9780203383346-12>

Elsinga, M. & Lind, H. (2013). The Effect of EU-Legislation on Rental Systems in Sweden and the Netherlands, *Housing Studies*, 28(7), 960-970, DOI: <https://doi.org/10.1080/02673037.2013.803044>

Elsinga, M. & Wassenberg, F. (2014). *Social housing in the Netherlands*. In Scanlon et al. (Ed.) *Social Housing in Europe*, First Edition, John Wiley & Sons, Ltd. ISBN: 978-1-118-41234-3

Evers, A., & Laville, J.-L. (2004). *The Third Sector in Europe, Globalization and Welfare*, Edward Elgar Publishing, ISBN: 9781843764007.

Feantsa (n.d.) Discrimination and housing in The Netherlands, accessed on November 15th, 2022. <https://www.ohchr.org/sites/default/files/Documents/Issues/Housing/SubmissionsCFIhousingdiscrimin/FEANTSATheNetherlands.docx>

Government of the Netherlands. (2022). Housing associations. accessed on November 8th, 2022 <https://www.government.nl/topics/housing/housing-associations>

Haffner, M. (2002) Dutch Social Rental Housing: the Vote for Housing Associations? paper for plenary session of 6 June 2002. *The Changing Role of Private Finance in Housing*, June 6, Plenary III, 9th European Real Estate Society Conference, 4-7 June 2002, Glasgow

Haffner, M. (forthcoming 2023) Private renting in the Netherlands: set to grow? In: Peter Kemp (ed.) *Private Renting in the Advanced Economies*, Policy Press.

Haffner, M., Hoekstra, J., Oxley, M. & Van der Heijden (2009). *Bridging the gap between social and market rented housing in six European countries?* IOS Press.

Haffner, M. & Hoekstra, J. (2006) *Housing Allocation And Freedom Of Movement: A European Comparison*, *TESG*, 97(4), 443–451

Helderman, J-K. (2007). *Bringing the market back in? Institutional complementarity and hierarchy in Dutch housing and health care*. Rotterdam: Erasmus Universiteit

Hochstenbach, C., & Ronald, R. (2020). The unlikely revival of private renting in Amsterdam: Re-regulating a regulated housing market, *Environment and Planning A*, 52(8), 1622–1642. <https://doi.org/10.1177/0308518X20913015>

Inspectie Leefomgeving en Transport (I Lent). (2023). Corporatieregister [Corporation register], accessed on June 1st 2023, <https://www.ilent.nl/onderwerpen/publicaties-cijfers-en-wetgeving-autoriteit-woningcorporaties/actuele-gegevens-woningcorporaties/corporatieregister>

- Krapp, M.-C., Vache, M., Egner, B., Schulze, K. & Thomas, S. (2022). Housing policies in the EU. Federal Institute for Research on Building, Urban Affairs and Spatial Development
- Ministerie van Binnenlandse Zaken en Koninkrijksrelaties (BZK) (2022) National Performance agreement, accessed on November 21st 2022 <https://aedes.nl/media/document/volledige-tekst-nationale-prestatieafspraken>
- Ministerie van VROM (1989) Volkshuisvesting in de jaren negentig [Housing in the nineties], The Hague, Sdu.
- Nieboer, N., & Gruis, V. (2016). The continued retreat of non-profit housing providers in the Netherlands. *Journal of Housing and the Built Environment*, 31(2), 277–295. <https://doi.org/10.1007/S10901-015-9458-1/TABLES/3>
- Oostveen, A. (2022). The Dutch Housing Crisis: increasing social unrest while the incremental measures taken are insufficient. ESPN Flash Report 06, European Social Policy Network (ESPN)
- Osborne, D., & Gaebel, T. (1992). *Reinventing government. How the entrepreneurial spirit is transforming the public sector.* Reading, Mass.: Addison-Wesley
- Pestoff, V. A. (1992). Third sector and co-operative services — An alternative to privatization. *J Consum Policy* 15, 21–45. <https://doi.org/10.1007/BF01016352>
- Priemus, H. (2001). Poverty and housing in the Netherlands: A plea for tenure-neutral public policy. *Housing Studies*, 16(3), 277–289. <https://doi.org/10.1080/02673030120049670>
- Ronald, R., & Dol, K. (2011). Housing in the Netherlands before and after the global financial crisis. *Housing Markets and the Global Financial Crisis: The Uneven Impact on Households.* Edward Edgar publishing. 93-112.
- Scanlon, K., Fernandez Arrigoitia, M. & Whitehead, C. (2015). Social housing in Europe, *European Policy Analysis*, (17). pp. 1-12.
- Schilder, F. & Scherpenisse, R. (2018). Policy and practice: affordable housing in the Netherlands. PBL Netherlands Environmental Assessment Agency
- Van Bortel, G. (2016). *Networks and Faultlines.* [PhD-thesis]. Delft: ABE
- Vols, M. (2022). The Netherlands. In Schmid, C. U. (Ed.), *Ways out of housing crisis* (pp. 119-139). Edward Edgar publishing. <http://dx.doi.org/10.4337/9781800377448>
- Wigger, A. (2021). Housing as a site of accumulation in Amsterdam and the creation of surplus populations. *Geoforum*, 126, 451–460. <https://doi.org/10.1016/J.GEOFORUM.2020.10.007>

**Keywords:** affordable housing, housing associations, Pestoff, social housing, social rental

**Horvat, M., & Bežovan, G. (2023, May). *Analiza održivosti sustava socijalne integracije beskućnika u Hrvatskoj / Analysis of the sustainability of the homeless social integration system in Croatia.* In Tomić-Koludrović, I. et al. (Eds.), *Book of Abstracts, 9th National Sociological Congress of the Croatian Sociological Society* (pp. 38-39), Split, Croatia. <http://hsd.hr/wp-content/uploads/sites/598/2023/05/Knjiga-sazetaka-2023.pdf>**

**Abstract:** Homelessness is a complex social problem facing large cities in Croatia, a country that has made the transition from state socialism to a free market economy. During this period, the “give-away” privatisation of public rental housing took place and the state withdrew from the housing market, which is increasingly dominated by speculative interests. In view of the increasing number of homeless



people, the government introduced programmes in 2011 to care for the homeless, which are managed by the major cities. The existing social integration programmes for the homeless are mainly run by civil society organisations. Previous studies have analysed the causes of homelessness and their demographic characteristics. The achievements of innovative practices such as “Housing First” speak to certain positive outcomes. This paper reflects the current status of homelessness in Croatia by looking at national and local policies, and briefly introduces how homelessness is perceived in the neighbouring transitional (ex-communist) countries. The paper aims to understand the sustainability of the system of social integration of homeless people in Croatia, taking into account three components: financial sustainability of organisations, institutional capacity and social sustainability. The data collection was conducted through a survey, and a focus group is planned to follow. The research will provide answers to the main challenges related to the sustainability of organisations dealing with the social inclusion of homeless people and propose the necessary measures that would strengthen the system and thus contribute to more efficient and effective policies in the system. The research findings will be presented to the public and placed in the context of necessary policy changes.

#### References:

Albert, F. Teller, N. Fehér, B. & Kőszeghy, B. (2019). ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion - Hungary.

Aleksanyan, A. (2020). Civil Society as a Phenomenon of Post-Soviet Political Life: A Threat or a Guarantor of National Security. [in Transformation and Development Studies in the Organization for Security and Cooperation in Europe (OSCE) Member States, edited by Mihr, A.]. Springer. ISBN: 978-3-030-42777-1

Anderson, B. (2013). Sam Tsemberis Puts Housing First.

[https://www.housingfinance.com/management-operations/sam-tsemberis-puts-housing-first\\_o](https://www.housingfinance.com/management-operations/sam-tsemberis-puts-housing-first_o), (16.8.2022)

Anheier, H. K. (2005). Measure for measure: a commentary on Heinrich and the State of civil society indicators research. *Journal of Civil Society*, 1(3):241-246

Ayed, N., Akther, S., Bird, V., Priebe, S., & Jones, J. (2020). How is Social Capital Conceptualised in the Context of Homelessness? A Conceptual Review using a Systematic Search 1. *European Journal of Homelessness*, 14(2), 99–136.

Baptista, I., & Marlier, E. (2019). Fighting homelessness and housing exclusion in Europe: A study of national policies (Issue October). ISBN 978-92-76-08769-4, DOI <https://doi.org/10.2767/624509>

Bežovan, G. (2008). Stanovanje i stambena politika. [Housing and Housing policy], in: V. Puljiz, G. Bežovan, T. Matković, Z. Šučur, and S. Zrinščak (Eds.) *Socijalna Politika Hrvatske*, pp.337-389. Zagreb: University of Zagreb.

Bežovan, G. (2012). Croatia: The Social Housing Search Delayed by Postwar Reconstruction [Chapter 8 in the book *Social Housing in Transition Countries* by Hegedüs, Lux & Teller], New York, Routledge, <https://doi.org/10.4324/9780203095904>

Bežovan, G. (2019). ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion - Croatia (2019).

Bežovan, G. & Matančević, J. (2011). CIVICUS civil society index in Croatia - Policy action brief. ISBN 1008060402

Bežovan, G. & Zrinščak, S. (2006). Postaje li civilno društvo u Hrvatskoj čimbenikom društvenih promjena? (en. Is civil society becoming a driver of societal change in Croatia?) *Rev. soc. polit.*, pg. 1-27, Zagreb 2007

Bilinović Rajačić, A. & Čikić. (2021). Beskućništvo teorija, prevencija, intervencija. In Paper Knowledge. Toward a Media History of Documents.

Bobić, M. (2019). Sociodemographic profile of homeless in Serbia. Socioloski Pregled, 53(4), 1468–1489. <https://doi.org/10.5937/SOCPREG53-23495>

Božac, M. (2020) Udruge u Hrvatskoj sazrijevaju: rast usporava, prihodi rastu, ali uz nejednakosti (en. Associations in Croatia: growth slowing down, revenues are increasing but along with inequalities) Accessed on 12.9.2022: <https://markobozac.com/analiza/udruge-hrvatska-analiza-civilno-drustvo/>

City of Zagreb. (2021). Zagrebačka strategija borbe protiv siromaštva i socijalne isključenosti od 2021. do 2025. [Zagreb's strategy for the fight against poverty and social exclusion from 2021 to 2025.], City of Zagreb's official web site, <https://www.zagreb.hr/zagrebacka-strategija-borbe-protiv-siromastva-i-so/170235>, (27.6.2022)

City of Zagreb (2022). Naknada za troškove stanovanja [Compensation for housing cost], <https://www.zagreb.hr/naknada-za-troskove-stanovanja/6759>, (29.6.2022)

Cooper, B. (1995). Shadow people: the reality of homelessness in the 90's. Sydney: Sydney City Mission Civil Society Sector – CSS. (n.d.). How to ensure financial sustainability for CSOs? Accessed from [http://siviltoplumsektoru.org/wp-content/uploads/2020/01/financialbrochure\\_en.pdf](http://siviltoplumsektoru.org/wp-content/uploads/2020/01/financialbrochure_en.pdf) (15.9.2022)

Družić Ljubotina, O., Kletečki Radović, M. & Ogresta, J. (2016). Slika podrške beskućnicima u Hrvatskoj. [The portrait of social support of the homeless in Croatia]. Gradski ured za socijalnu zaštitu i osobe s invaliditetom, ISBN 9789537479619

Dunn, L. (2022). 75 ways to prevent homelessness: A collection of practical examples to share, inspire and add to. Crisis Scotland, ISBN 978-1-78519-084-1

Eurostat. (2022). Living conditions in Europe – housing, [https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Living\\_conditions\\_in\\_Europe\\_-\\_housing&action=statexp-seat&lang=hr](https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Living_conditions_in_Europe_-_housing&action=statexp-seat&lang=hr), (2.8.2022)

FEANTSA (2017). European Typology of Homelessness Ethos and Housing Exclusion. Downloaded from: <https://www.feantsa.org/download/ethos2484215748748239888.pdf> (13.7.2022)

Ferenčuhová, S., & Vašát, P. (2022). Ethnographies of urban change: introducing homelessness and the post-socialist city. Urban Geography, 42(9), 1217–1229. <https://doi.org/10.1080/02723638.2021.1930696>

Filipovič Hrast, M., Somogyi, E. & Teller, N. (2009). The Role of NGOs in the Governance of Homelessness in Hungary and Slovenia. European Journal of Homelessness, Vol. 3

Fitzpatrick, S. & Davies, L. (2021) The 'ideal' homelessness law: balancing 'rights centred' and 'professional-centred' social policy. Journal of Social Welfare and Family Law, 43:2, 175-197, DOI: <https://doi.org/10.1080/09649069.2021.1917712>

Forest, R. (2019). How can we support local CSOs to be financially sustainable? Bond. Accessed from <https://www.bond.org.uk/news/2019/05/how-can-we-support-local-csos-to-be-financially-sustainable> (14.9.2022)

Gerbery, D. (2019). ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion - Slovakia.

Gerovska Mitev, M. (2019). ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion – North Macedonia.

Green, S. N. (2017). *Civil Society at a Crossroads: Exploring Sustainable Operating Models*. A report on the CSIS Human initiative. The International Consortium on Closing Civic Space. Centre for strategic and international studies

Gubits, D., Shinn, M., Wood, M., Brown, S. R., Dastrup, S. R., & Bell, S. H. (2018). What Interventions Work Best for Families who Experience Homelessness? Impact Estimates from the Family Options Study. *Journal of Policy Analysis and Management: [The Journal of the Association for Public Policy Analysis and Management]*, 37(4), 735. <https://doi.org/10.1002/pam.22071>

Heinrich, V. F. (2006). »Studying civil society across the world«: A rebuttal. *Journal of Civil Society*, 2(1):79-82

Heinrich, V. F. & Fioramonti, L. (2008). *CIVICUS Global Survey of the State of Civil Society, Volume 2: Comparative perspectives*. Kumarian press

Homelessness in Serbia - The Borgen Project. (2022). accessed from <https://borgenproject.org/homelessness-in-serbia/>, (25.7.2022)

Ingram, G. (2020). *Civil society: An essential ingredient of development*. Brookings. Accessed from <https://www.brookings.edu/blog/up-front/2020/04/06/civil-society-an-essential-ingredient-of-development/>. (13.9.2022)

Kaluđerović, J., & Đurović, M. (2019). *ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion – Montenegro*.

Kostelić, K. & Peruško, E. (2021). Skupine čimbenika i njihov utjecaj na važne životne odluke: beskućnici u Puli [Groups of factors and their influence on important life decisions: homeless people in Pula], *Ljetopis socijalnog rada* 2021., 28 (1), 273-299

Langlard, G., Bouteyre, E., & Rezrazi, A. (2019). Factors preventing the social reintegration of homeless persons: A comparison between residents of long-stay hostels and individuals living on the street. *Social Work in Mental Health*, 17(2), 237–252. <https://doi.org/10.1080/15332985.2018.1547243>

Lisbon Declaration. (2021). *Lisbon Declaration on the European Platform on Combatting Homelessness*. <https://ec.europa.eu/social/BlobServlet?docId=24120&langId=en>, (2.8.2022)

Manning, R. M., & Greenwood, R. M. (2019). Understanding Innovation in Homeless Service Provision: A Study of Frontline Providers' Values-Readiness for Change. *Administration and Policy in Mental Health and Mental Health Services Research*, 46(5). <https://doi.org/10.1007/s10488-019-00943-0>

Ministry of Investments (MIRRI SR) (2020). *Slovakia national report 2030*.

Ministry of Justice and Public Administration, Croatia (2022). *Register of associations*. Accessed: <https://mpu.gov.hr/register-of-associations/25235>

Nelson, G. et al. (2021). How Social Science Can Influence Homelessness Policy: experiences from Europe, Canada, and the United States. Part I – Problem and Solutions, *European Journal of Homelessness* \_ Volume 15, No. 1\_ 2021

Obradović, N., & Jusić, M. (2019). *ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion – Bosnia and Herzegovina*.

OECD. (2021). *HC3.1 Homeless population [estimates]*. OECD Affordable Housing Database, 1–12. <http://oe.cd/ahd>

O'Neill, B. (2017). *The Space of Boredom*. Duke University Press. <https://www.dukeupress.edu/the-space-of-boredom>

O'Sullivan, E. (2022). Key Elements in Homelessness Strategies to End Homelessness by 2030: A Discussion Paper, European Platform on Combatting Homelessness, Luxembourg: Publications Office of the European Union, 2022

Paidakaki, A., & Lang, R. (2021). Uncovering social sustainability in housing systems through the lens of institutional capital: A study of two housing alliances in Vienna, Austria. *Sustainability (Switzerland)*, 13(17). <https://doi.org/10.3390/su13179726>

Petrović, M., & Timotijević, M. (2013). Homelessness and Housing Exclusion in Serbia. *European Journal of Homelessness*, 7(2).

Pleace, N. (2016). *Housing First Guide Europe*.

Pleace, N. et al. (2018). *Homelessness Services in Europe - Comparative Studies on Homelessness*. European observatory on homelessness.

Renoir, M. & Guttentag, M. (2018). Facilitating financial sustainability. Understanding the drivers of CSO financial sustainability. LINC. ISBN 978-1-59542-536-2. DOI: <https://doi.org/cn93>

Robić, N. G. (2017). Dvadeset godina beskućništva u Hrvatskoj (1991. – 2011.) te mogućnosti za istraživanja povijesti beskućništva. *Revija Za Socijalnu Politiku*, 24(2), 219–237. <https://doi.org/10.3935/rsp.v24i2.1276>

Salamon, L. M., Sokolowski, S. W. (2006). Second commentary on Heinrich: Studying civil society across the world. *Journal of Civil Society*, 2(1): 85-88

Statistical office of Republic of Slovenia. (2017). Accessed on: 24.6.2022 <https://www.stat.si/StatWeb/en/News/Index/6991>

Stropnik, N. (2019). *ESPN Thematic Report on National Strategies to Fight Homelessness and Housing Exclusion - Slovenia*.

Šikić-Mičanović, L. & Geiger Zeman, M. (2011). *Rodne asimetrije i beskućništvo u Hrvatskoj [Gender asymmetries and homelessness in Croatia]*, Zagreb: Institut društvenih znanosti Ivo Pilar, Vlada Republike Hrvatske, Ured za ravnopravnost spolova, 2011. pp. 239-257

Šikić-Mičanović, L., Sakić, S., & Stelko, S. (2020). The quality of homelessness services: An overview of the current situation and challenges in Croatia. *Revija Za Socijalnu Politiku*, 27(3), 233–248. <https://doi.org/10.3935/rsp.v27i3.1693>

Šoštarić, M. (2013). Homelessness in the Republic of Croatia: A Review of the Social Welfare System for Homeless People. *European Journal of Homelessness* \_ Volume 7, No. 2, December 2013

Tipple, G., & Speak, S. (2005). Tipple and Speak, Definitions of homelessness in developing countries. *Habitat International*, 29(2), 337–352. <https://doi.org/10.1016/j.habitatint.2003.11.002>

United Nations (UN). (2009). Enumeration of homeless people. United Nations Economic and Social Council. Available at <https://unece.org/fileadmin/DAM/stats/documents/ece/ces/ge.41/2009/7.e.pdf> (2.8.2022)

United Nations Global Compact (UNGC). Social Sustainability. Available at <https://www.unglobalcompact.org/what-is-gc/our-work/social> (15.9.2022)

USAID. (2020). *2020 Civil Society Organization sustainability index Central and Eastern Europe and Eurasia 24th edition – September 2021*

Vasudevan, A. (2015). *Metropolitan Preoccupations: The Spatial Politics of Squatting in Berlin*. Chichester: Wiley Blackwell

West Africa Civil Society Institute (WACSI). (2022). Key Achievements. <https://wacsi.org/km-achievements/> (18.7.2022)

**Keywords:** civil organisations, homeless, service providers, social integration, social service

**Martin, A. (2023, December). *Housing and Healing: The role of trauma informed design in the supportive housing sector*. In *Transformative Change in the Contested Fields of Care and Housing in Europe*, Linz, Austria.**

**Abstract:** The built environment profoundly impacts our mental, emotional, and physical well-being and promotes empowerment. This study explores the role of trauma-informed design in the supportive housing sector, where people often live with complex needs. This conceptual paper aims to bring together the knowledge and expertise of academic and non-academic members of our society, particularly those in the housing and care sector, to explore the opportunities and challenges of implementing psychologically informed design principles.

The paper's first section consists of a comprehensive review of existing literature, examining how contemporary positive psychology and trauma theory principles can be applied to physical settings. The focus is on utilizing adjustable and flexible design codes that prioritize positive outcomes and social impact. Moving forward, the second part of the paper builds upon the findings of forty in-depth semi-structured interviews. These interviews were carefully recorded and analysed with NVivo, following the logic of grounded theory. The diverse responses revealed both trends and differing perspectives on the role of trauma-informed design. Therefore, real-life examples mentioned by interviewees were chosen to illustrate potential ways to address contested care and housing needs with the help of various funding mechanisms.

Ultimately, the paper argues that considering the fundamental principles of trauma-informed design should be a crucial aspect of any effective social housing program, whether at the European, national, or local level. The results of this study go beyond the boundaries of specific scientific disciplines, offering a convergence of different theoretical perspectives. By considering sustainability as a matter of communicative rationality, this paper seeks to promote a holistic approach to designing supportive housing environments that prioritize the well-being of individuals with complex needs.

References:

Anderson, D. (2010). Humanizing the hospital: Design lessons from a Finnish sanatorium. *Canadian Medical Association Journal*.

Bollo, C., and Donofrio, A. (2019). Common Area Allocation, Patterns and Design in Permanent Supportive Housing. ARCC Conference Repository.

Bollo, C. and Donofrio, A. (2021). Trauma-informed design for permanent supportive housing: four case studies from Seattle and Denver. In *Housing and Society*.

Benner, J. (2018). Implementing trauma-informed care in all spaces. *Family & Intimate Partner Violence Quarterly*.

Bourdieu, P. & Wacquant, L. (1992). *An invitation to reflexive sociology*. Cambridge Polity Press.

Chen, P. M. (2019). *Housing First and single-site housing*. Social Sciences.

Costanza-Chock, S. (2020). *Design justice: community-led practices to build the worlds we need*. The MIT Press.

Di Raimo, A., Petrillo, M., and Thomas, M. (2022). Why resilient communities need trauma-informed care the case for trauma informed design for resilient cities. *Resilient Communities and the Peccioli Charter: Towards the Possibility of an Italian Charter for Resilient Communities*. Springer.

Fitzpatrick-Lewis, D., Ganann, R., Krishnaratne, S., Ciliska, D., Kouyoumdjian, F., & Hwang, S. W. (2011). Effectiveness of interventions to improve the health and housing status of homeless people: A rapid systematic review. *BMC Public Health*.

Gill, N. (2019). The importance of trauma-informed design. *Forbes Nonprofit Council*.

Goodman, L. A., Saxe, L., & Harvey, M. (1991). Homelessness as psychological trauma: Broadening perspectives. *American Psychologist*.

Harris, M., and Fallot, R. (2001). *Creating Cultures of Trauma-Informed Care: A Self-Assessment and Planning Protocol*. Community Connections.

Heim, C. and Nemeroff, C. B. (2001). The role of childhood trauma in the neurobiology of mood and anxiety disorders: Preclinical and clinical studies. *Biological Psychiatry*.

Henwood, B. F., Lahey, J., Harris, T., Rhoades, H., & Wenzel, S. L. (2018). Understanding risk environments in permanent supportive housing for formerly homeless adults. *Qualitative Health Research*.

Herman, J. L. (2015). *Trauma and recovery: The aftermath of violence—From domestic abuse to political terror*. Hachette.

Huffman, T., & Tracy, S. (2018). Making claims that matter: Heuristics for theoretical and social impact in qualitative research. *Qualitative Inquiry*.

Harris, M. and Fallot, R. D. (2001). Envisioning a trauma-informed service system: A vital paradigm shift. *New Directions for Mental Health Services*.

Hopper, E. K., Bassuk, E. L., & Olivet, J. (2010). Shelter from the storm: Trauma-informed care in homelessness services settings. *The Open Health Services and Policy Journal*.

International Labour Organization. (2018). *Care Work and Care Jobs for the Future of Decent Work*. Geneva: ILO.

Jewkes, Y. (2018). Just design: Healthy prisons and the architecture of hope. *Australian & New Zealand Journal of Criminology*.

Jewkes, Y., Jordan, M., Wright, S. and Bendelow, G. (2019). Designing 'Healthy' prisons for women: Incorporating trauma-informed care and practice into prison planning and design. *International Journal of Environmental Research and Public Health*.

Kirmayer, L. J., Lemelson, R., and Barad, M. (2007). *Understanding Trauma*. Cambridge University Press.

Ko, S. J., Kassam-Adams, N., Wilson, C., Ford, J. D., Berkowitz, S. J., Wong, M., Brymer, M. J., and Layne, C. M. (2008). Creating trauma-informed systems: child welfare, education, first responders, health care, juvenile justice. *Professional Psychology, Research and Practice*.

Leipold, B. and Greve, W. (2009). Resilience: A conceptual bridge between coping and development. *European Psychologist*.

Mackenbach J. P., Valverde J. R., Artnik B., Bopp M., Brønnum-Hansen H., Deboosere P., Kalediene R., Kovács K., Leinsalu M., Martikainen P., Menvielle G., Regidor E., Rychtaříková J., Rodriguez-Sanz M., Vineis P., White C., Wojtyniak B., Hu Y., & Nusselder W. J. (2018). Trends in health inequalities in 27 European countries. *Proceedings of the National Academy of Sciences of the United States of America*.

McLane, Y., and Pable, J. (2020). Architectural design characteristics, uses, and perceptions of community spaces in Permanent Supportive Housing. *Journal of Interior Design*.

Morrow, D. G., Rogers, W. A. (2008). Environmental support: an integrative framework. *Human Factors*.

Morse, J. M. (2015). Critical analysis of strategies for determining rigor in qualitative inquiry. *Qualitative Health Research*.

Pable, J. (2007). Homeless shelter design: A psychologically recuperative approach. *Journal of Interior Design*.

Parsell, C., Petersen, M., & Moutou, O. (2015). Single-site supportive housing: Tenant perspectives. *Housing Studies*.

Rolfe, S., Garnham, L., Godwin, J. et al. (2020). Housing as a social determinant of health and wellbeing: developing an empirically-informed realist theoretical framework. *BMC Public Health*.

Rollings, K. A., Bollo, C. S. (2021). Permanent Supportive Housing Design Characteristics Associated with the Mental Health of Formerly Homeless Adults in the U.S. and Canada: An Integrative Review. *Int. J. Environ. Res. Public Health*.

Scoglio, A. A. J., Rudat D. A., Garvert D., Jarmolowski M., Jackson C., Herman J. L. Self-Compassion and Responses to Trauma: The Role of Emotion Regulation. *Journal of Interpersonal Violence*.

Van Vliet, K. J. (2008). Shame and resilience in adulthood: A grounded theory study. *Journal of Counseling Psychology*.

World Health Organization. (2005). Promoting Mental Health: Concepts, Emerging Evidence, Practice. *Euro Observer*.

Woodhall-Melnik, J. R., and Dunn, J. R. (2016). A systematic review of outcomes associated with participation in housing first programs. *Housing Studies*.

**Keywords:** built environment, supportive housing, transdisciplinarity, trauma-informed design, well-being psychologically informed

**Martin, A. (2023, June). *Clashing Vulnerabilities for the right to adequate housing. Marginalized groups vs. middle-income groups in a precarious housing situation.* In *Clashing Vulnerabilities*, Uppsala, Sweden.**

**Abstract:** The globalization era resulted in the fragmentation of class structures, and inequalities grew. As a result, upward mobility is declining in most countries in Europe. More and more people from the middle classes are at risk of downward mobility, but they are classified as “not poor enough” to receive help and are pushed back of the queue for benefits, including housing. They face safety concerns, as they can only access unhealthy, low-quality, energy-inefficient, or overcrowded housing options. Their situation has become fragile partly because of the liberalized labour market, or the system abandoned them due to the cuts in the welfare state. Meanwhile, the number of evicted and homeless people is also rising. As a result, there are “clashing vulnerabilities” between marginalized people (including the zone of “disaffiliation”) and increasingly downwardly mobile people from the low and middle cases. Deepening the housing crises these vulnerable groups are competing in terms of resources and administrative capacities.

The paper examines these clashing vulnerabilities between marginalized people and increasingly downwardly mobile people from the low and middle classes. Risks are distributed differently, and the



probability of becoming downwardly mobile has structural and individual factors. These factors are analysed with mixed methods, exploring the new meaning(s) of risk society.

The paper argues that the market needs to be very carefully regulated. Recognizing the significance of housing as a fundamental need, it is crucial to allocate a significant proportion of tax revenues towards its stability and to implement improved regulations, to create an environment that promotes fairness, transparency, and accountability. On the one hand, social and housing policies should lower the number of people who are homeless (living literally on the streets), and on the other hand, they should provide people in general with more opportunities to get safe, affordable homes. Funds should be utilized to establish programs that provide financial assistance, promote affordable housing initiatives, and support sustainable development practices.

#### References:

- Adkins, L., Cooper, M. and Konings M. (2020). *The Asset Economy*. Polity.
- Allen, M., Benjaminsen, L., O'Sullivan, E., and Pleace, N. (2020). *Ending Homelessness: The Contrasting Experiences of Denmark, Finland and Ireland*. Bristol Policy Press.
- Acolin A. (2022). *Owning vs. Renting: the benefits of residential stability*. *Housing Studies*.
- Arendt, H. (1958). *The Human Condition*. University of Chicago Press.
- Barbier, J. C. (2002). *A survey of the use of the term précarité in French economics and sociology*. Centre d'études de l'emploi.
- Bartholomew, J. (2004). *The welfare state we're in*. Biteback Publishing.
- Bell, Colin. (1977). *On Housing Classes*. *Australian and New Zealand Journal of Sociology*.
- Bauman Z. (1992). *Intimations of Post-modernity*. Routledge.
- Beresford, P. (2016). *All our welfare: Towards participatory social policy*. Policy Press.
- Bobek, A., Pembroke, S. and Wickham, J. (2021). *Living in precarious housing: non-standard employment and housing careers of young professionals in Ireland*. *Housing Studies*.
- Bourdieu P. (1977). *Outline of a Theory of Practice*. Cambridge University Press.
- Bourdieu, P. and Wacquant, L. (1992). *An invitation to reflexive sociology*. Cambridge Polity Press.
- Clapham, D. (2002). *Housing Pathways: A Post Modern Analytical Framework*. *Housing, Theory and Society*.
- Clapham, D. (2015). *Accommodating Difference: Evaluating Supported Housing for Vulnerable People*. Bristol Policy Press.
- Clapham D. (2018). *Housing theory, housing research and housing policy*. *Housing, Theory and Society*.
- Clapham, D. (2019). *Remaking housing policy: An international study*. Routledge Taylor & Francis Group.
- Couper, M. and Brindley, T. (1975). *Housing Classes and Housing Values*. *Sociological Review*.
- Dewilde, C. (2022). *How housing affects the association between low income and living conditions-deprivation across Europe*. *Socio-Economic Review*.
- Elling, B. (2008). *Rationality and the Environment: Decision-making in Environmental Politics and Assessment*. Earthscan.
- Esping-Andersen, G. (1990). *The three worlds of welfare capitalism*. Princeton University Press.



Esping-Andersen, G. (1993). *Changing Classes. Stratification and Mobility in Post-Industrial Societies*. Sage.

Esping-Andersen, G. and Myles J. (2011). *Economic Inequality and the Welfare State*. Oxford Handbook of Economic Inequality. Oxford University Press.

Esping-Andersen, G. (2015). Welfare regimes and social stratification. *Journal of European Social Policy*.

Eurofound. (2016). *Inadequate housing in Europe: Costs and consequences*.

<https://www.eurofound.europa.eu/publications/report/2016/quality-of-life-social-policies/inadequate-housing-in-europe-costs-and-consequences>

European Commission (2016). *Recent changes in housing policies and their distributional impact across Europe*. available at: <https://ec.europa.eu/social/BlobServlet?docId=17038&langId=en>

European Commission. (2017). *European pillar of social rights*. available at: <https://data.europa.eu/doi/10.2792/95934>

Foti, A. (2017). *General Theory Of The Precariat*. available at: <https://networkcultures.org/wp-content/uploads/2017/09/ToD25-Precariat-AlexFoti.pdf>

Foucault M. (1972). *The Archaeology of Knowledge*. Tavistock.

Foucault, M. (1977). *Discipline and Punish: The Birth of the Prison*. Penguin.

Franklin, A. (2006). *A post-humanist approach to housing*. *Housing, Theory and Society*.

Giddens A. (1984). *The Constitution of Society*. Cambridge Polity Press.

Goldthorpe, J. H. (2007). *On Sociology*. Stanford University Press.

International Labour Organization. (2018). *Care Work and Care Jobs for the Future of Decent Work*. ILO, Geneva.

Gurney C. (1999). *Pride and prejudice: discourses of normalization in public and private accounts of home ownership*. *Housing Studies*.

Frohlich, N. and Oppenheimer, J. A. (1992). *Choosing Justice: An Experimental Approach to Ethical Theory*. University of California Press.

Haandrikman K., Costa R., Malmberg B., Farner Rogne A. and Sleutjes B. (2023). *Socio-economic segregation in European cities. A comparative study of Brussels, Copenhagen, Amsterdam, Oslo and Stockholm*. *Urban Geography*.

Harrington, A. (2005). *Modern social theory: an introduction*. Oxford University Press.

Johannessen, Jon-Arild. (2018). *The workplace of the future : the fourth industrial revolution, the precariat, and the death of hierarchies*. Routledge.

Johnston A., Fuller G. W. and Regan A. (2021). *It takes two to tango: mortgage markets, labor markets and rising household debt in Europe*. *Review of International Political Economy*.

Jordan, B. (2013). *Authoritarianism and the Precariat*. *Global Discourse*.

Kadi, J., Vollmer, L., and Stein, S. (2021). *Post-neoliberal housing policy? Disentangling recent reforms in New York, Berlin and Vienna*. *European Urban and Regional Studies*.

Kalleberg A. L. (2000). *Nonstandard Employment Relations: Part-time, Temporary and Contract Work*. *Annual Review of Sociology*.

Kettunen H. & Ruonavaara H. (2021). *Rent regulation in 21st century Europe. Comparative perspectives*. *Housing Studies*.

- Kimur B. (2020). How to Apply the Capability Approach to Housing Policy? Concepts, Theories and Challenges. *Housing, Theory and Society*.
- Kohl S. (2021). Too much mortgage debt? The effect of housing financialization on housing supply and residential capital formation. *Socio-Economic Review*.
- Kováts B. (2021). Is There a Core-semiperiphery Division in Housing? Applying World-systems Theory in European Comparative Housing Research. *Housing, Theory and Society*.
- Listerborn C. (2021) The new housing precariat: experiences of precarious housing in Malmö, Sweden. *Housing Studies*.
- Malik, S. (2011) Young Jobseekers Told to Work without Pay or Lose Unemployment Benefits. *Guardian*.
- Marcuse, H. (1964). *One Dimensional Man: The Ideology of Industrial Society*. Sphere Books.
- Martin P. (2005). The geography of inequalities in Europe. *Swedish Economic Policy Review*.
- Newman, K. S. (1999). *Falling from Grace: Downward Mobility in the Age of Affluence*. University of California Press.
- Nussbaum M. (2011). *Creating Capabilities: The human development approach*. Harvard University Press.
- Organisation for Economic Co-operation and Development. (2011). *Divided We Stand: Why Inequality Keeps Rising*. OECD Publishing.
- Organisation for Economic Co-operation and Development . (2019). *Under pressure: The squeezed middle class*. Organisation for Economic Cooperation and Development, Paris.
- Parker, J. (2000). *Structuration*. Open University Press.
- Polanyi, K. ([1944] 2001). *The Great Transformation: The Political and Economic. Origins of Our Time*. Beacon Press.
- Roine J., Vlachos J., and Waldenström D. (2009). The long-run determinants of inequality: What can we learn from top income data?. *Journal of Public Economics*.
- Santana P. (2017). *Atlas of Population Health in European Union Regions*. Coimbra University Press.
- Saunders, P. (1984). Beyond housing classes: the sociological significance of private property rights in means of consumption. *International Journal of Urban and Regional Research*.
- Sen A. (2009). *The Idea of Justice*. Penguin.
- Standing, G. (2014). *A precariat charter: from denizens to citizens*. Bloomsbury.
- Standing, G. (2011). *The Precariat: The New Dangerous Class*. London: Bloomsbury.
- Standing, G. (2011). *The Precariat: The New Dangerous Class. SPECIAL COVID-19 EDITION*. I.B. Tauris.
- Standing, G. (2009). *Work after Globalization: Building Occupational Citizenship*. Edward Elgar.
- Sustainable Finance Platform. (2022). *Final Report on Social Taxonomy*. Available at: [https://ec.europa.eu/info/sites/default/files/business\\_economy\\_euro/banking\\_and\\_finance/documents/280222-sustainablefinance-platform-finance-reportsocial-taxonomy.pdf](https://ec.europa.eu/info/sites/default/files/business_economy_euro/banking_and_finance/documents/280222-sustainablefinance-platform-finance-reportsocial-taxonomy.pdf)
- Thelen K. (2019). *The American Precariat: U.S. Capitalism in Comparative Perspective*. *Perspectives on Politics*.
- Wacquant, L. (2008). *Urban Outcasts. A Comparative Sociology of Advanced Marginality*. Cambridge Polity Press.

Weber, M. (1922). *Economy and Society*. University of California Press.

Waldron, R. (2023). Experiencing housing precarity in the private rental sector during the covid-19 pandemic. *Housing Studies*.

Weber, M. (1978). *Economy and Society. An outline of interpretive sociology*. University of California Press.

**Keywords:** adequate housing, clashing vulnerabilities, housing crises, risk society

**Martín, C. (2023). *Open Building as a design approach for housing customisation*. In 8th Colóquio Arquitetura dos Territórios Metropolitanos Contemporâneos 2023, Lisbon, Portugal.**

**Abstract:** The increased demand for housing due to demographic growths and urban agglomerations is one of the critical issues concerning today's cities. The vast majority of the residential building stock has become obsolete, as a result of post-war rigid typologies. In most of the cases, the current housing production does not consider the integration of the user in the decision-making process, nor it offers flexible solutions that can accommodate different needs.

**This paper aims to connect the Open Building principles and methodology to the current challenges that the housing industry is facing. The study will examine the contribution of the concept to the housing industry from a social, organisational, and technical perspective.**

The results will aim to shed some light over the potential of the Open Building's design approach to increase the resiliency of residential buildings, include new actors in the decision-making process, and ensure the in-built capacity of these buildings to renew themselves and adapt over time.

#### References:

Cuperus, Y. (2001). An introduction to open building. Proceedings of the 9th Annual Conference of the 9th Annual Conference of the International Group for Lean Construction.

Habraken, J. (1976). *Variations: The Systematic Design of Supports*. MIT Press. Habraken, N. J. (1961). *Supports: An Alternative to Mass Housing*. Routledge. <https://doi.org/10.4324/9781003014713>

Kendall, S. H. (2021). Residential Architecture as Infrastructure. In *Residential Architecture as Infrastructure*. <https://doi.org/10.4324/9781003018339>

Kendall, S. H., & Dale, J. R. (2023). The uses of levels. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-39>

Kendall, S. H., & Dale, J. R. (2023). Design for flexibility. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-42>

Kendall, S. H., & Dale, J. R. (2023). Cultivating the built environment. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-48>

Kendall, S. H., & Dale, J. R. (2023). Methodology and Ideology in Architecture. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-49>

Kendall, S. H., & Dale, J. R. (2023). Back to the future. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-42>

Kendall, S. H., & Dale, J. R. (2023). Type as a social agreement. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-38>

Kendall, S. H., & Dale, J. R. (2023). Open Building as a condition for industrial construction. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-36>

Kendall, S. H., & Dale, J. R. (2023). Next21 in the Open Building perspective. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-42>

Kendall, S. H., & Dale, J. R. (2023). An efficient response to users' preferences. In *The Short Works of John Habraken*. Routledge. <https://doi.org/10.4324/9781003011385-42>

Kendall, S. H., (2017). A FIT-OUT Industry – Precondition for a Sustainable Building Stock. UIA 2017 Seoul World Architects Congress

**Keywords:** fit-out systems, flexible design, housing customisation, open building, sustainability

**Panagidis, A. (2022, August). *Configurations of Fragmented Infrastructure: The case of Nicosia situated at the Global North-South interface*. In RC21 Conference: Ordinary Cities in Exceptional Times, Athens, Greece.**

**Abstract:** The processes of modernisation and urbanisation in Cyprus by previous colonial administrations aimed to replicate the “modern infrastructure ideal” (Graham & Marvin, 2001) and exert social control (Sioulas & Pyla, 2018). The newly established planning department undertook large infrastructural engineering projects related to water supply, electrification and road networks which largely determined the form of urbanisation. Subsequent Greek-Cypriot administrations adopting earlier planning mechanisms, have mainly followed technocratic formulae and the dominance of politics over civil society (Mavratsas, 1998; Trimikliniotis, 2001). Moreover, the processes of the island’s urbanisation are situated at the “interface” between the planning rationalities of the global North and the lived realities of the global South (Watson, 2009). Nicosia, the capital city, is characterised by dispersed, low-density urban development, incessant parcellation of land and the overwhelming dominance of private car mobility (Constantinides, 2018; Ioannou, 2016) resulting in great deficiencies and fragmentations of urban infrastructures. Such political and spatial incongruities are conveyed by pockets of entitlement contrasted by the informal practices and claims to urban space through which under-resourced citizens perpetually strive to adapt and improvise. However, the social implications of disjointed and dispersed infrastructures have been greatly overlooked. In addition, despite being a country that has remained a “post colony” striving to be modern as characterised by Argyrou (2010), Cyprus is rarely examined from the perspectives of postcolonial urban theory or urban informality when speaking about urban planning or housing.

This paper focuses on the relation between the physical and social attributes of Nicosia’s peripheral expansion apparent in people’s daily confrontations with fragmented infrastructures. Using suburban infrastructure as a frame of examination, the method of visual ethnography is used in order to trace the socio-material practices that point to heterogeneous arrangements. These include among others, side-of-the-road vendors, do-it-yourself advertisements, improvised agricultural practices and informal home extensions. Furthermore, physical evidence of the lived, grounded realities that resist dominant land use configurations is juxtaposed with spatial planning logics. The paper highlights the need for a critical, Southern perspective of investigation, revealing human-infrastructure interactions that contest normative planning positions and North-South binaries. Therefore, this study aims to determine whether an “ordinary” geography of human-infrastructure interactions may lead to envisioning development processes that re-politicise land and infrastructure to shed light on alternative planning pathways that refute inherited trajectories of modernisation.

References:

Argyrou, V. (2010). Independent Cyprus? Postcoloniality and the spectre of Europe. *Cyprus Review*, 22(2), 39–47.

Constantinides, G. (2018). Reasons for and Consequences of Urban Sprawl. In N. Patsavos & I. Pissourios (Eds.), *The Cypriot City Paradigm: Urbanity Issues in Design and Planning*. Cyprus Architects Association & Domes.

Graham, S., & Marvin, S. (2001). *Splintering Urbanism: Networked Infrastructures, Technological Mobilities and the Urban Condition*. Routledge. <https://doi.org/10.1353/tech.2002.0124>

Ioannou, B. (2016). Post-colonial urban development and planning in cyprus: Shifting visions and realities of early suburbia. *Urban Planning*, 1(4), 79–88. <https://doi.org/10.17645/up.v1i4.768>

Karas, S., & Arapostathis, S. (2016). Harbours of crisis and consent: The technopolitics of coastal infrastructure in colonial Cyprus, 1895-1908. *Journal of Transport History*, 37(2), 214–235. <https://doi.org/10.1177/0022526616667365>

Lawhon, M., Nilsson, D., Silver, J., Ernstson, H., & Lwasa, S. (2018). Thinking through heterogeneous infrastructure configurations. *Urban Studies*, 55(4), 720–732. <https://doi.org/10.1177/0042098017720149>

Leontidou, L. (1990). *The Mediterranean City in Transition: Social Change and Urban Development*. Cambridge University Press. <https://doi.org/10.1017/CBO9780511522208>

Leontidou, L. (2014). The crisis and its discourses: Quasi-Orientalist attacks on Mediterranean urban spontaneity, informality and joie de vivre. *City*, 18(4–5), 551–562. <https://doi.org/10.1080/13604813.2014.939477>

Mavratsas, C. V. (1998). Greek-Cypriot political culture and the prospect of European Union membership: A worst-case scenario. *Cyprus Review*, 10(1), 67–76.

Roy, A. (2005). Urban informality: Toward an epistemology of planning. *Journal of the American Planning Association*, 71(2), 147–158. <https://doi.org/10.4324/9781315259451-31>

Trimikliniotis, N. (2001). The location of cyprus in the southern european context: Europeanisation as modernisation? *Cyprus Review*, 13(2), 47–73.

Watson, V. (2009). Seeing from the South: Refocusing urban planning on the globe's central urban issues. *Urban Studies*, 46(11), 2259–2275. <https://doi.org/10.1177/0042098009342598>

Welz, G. (2001). “One Leg in the Past, and One Leg in the Huture”: A Society in Transition. *Cyprus Review*, 13(1), 11–30.

**Keywords:** planning, urban infrastructure

**Panagidis, A., & Charalambous, N. (2023, March). *Co-creation from the South: The case of Cyprus*. In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference* (pp. 54-57). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** Dominated by a technocratic state and a form of “Greek-Cypriot corporatism” (Mavratsas, 1998), civil society in Cyprus has been found to be underdeveloped (CIVICUS, 2011). This is reflected in the lack of citizen participation and the lack of decision-making power of the many people dwelling and working in the margins between the powerful state and the market to negotiate decisions. Informal and co-produced urban spaces (here understood as spontaneously co-produced) by actors who “do not typically fit into state-led and ‘professional’ planning schemes” (Galuszka, 2019, p. 144) are common,

yet not recognised or institutionalised. These characteristics place Cyprus in the discussions around citizenship and participation in the global South.

In the meantime, new urban governance arrangements are on the agenda of many European governments promoting “active citizenship” and social innovation concerning the decision-making processes that involve citizens in the planning and provision of housing and public services (Bisschops & Beunen, 2019; Boonstra, 2015; Garcia & Haddock, 2016; Morgan, 2018). Furthermore, recent research is increasingly emphasising co-creation (Davis & Andrew, 2017; Koster, 2015) - the sharing of decision-making powers between municipalities, citizens and other actors – and this term is being applied in housing development and urban regeneration experiments at the neighbourhood scale. Innovative governance processes encouraging self-organisation to engage citizens beyond participation in planning are being investigated in settings labelled by the terms Urban Living Labs (ULLs), city labs or citizen innovation labs. In ULLs the joint knowledge and abilities of citizens, urban professionals, and local authorities is mobilised in collaborative environments where innovation can take place in real-life settings.

However, as these novel approaches are being transferred mainly from Northern cities to Southern Europe, there is a need to investigate co-creation by “seeing from the South” (Watson, 2009) as well as to avoid the mistake of applying a universal concept to contexts which to date have been perceived at the fringes of urbanity. In support of the “peripheral turn” in urban studies, it is important to challenge general guidelines that are replicated, including ULLs, and to adapt these novel governance approaches to their respective contexts (Galuszka, 2019). The ways in which civic engagement is fostered in Cyprus, especially regarding matters of urban development and informality, will form the main research question.

This paper aims to add to the theoretical discussion of co-creation, social innovation and active citizenship from a “southern” perspective, including the overlapping interpretations of the global South and Southern Europe. It will challenge existing parameters and guidelines of civic engagement and innovation in urban planning and housing by exploring the need to develop a southern perspective of co-creation. The goal is to enhance the diversity of southern perspectives of urban theory, to challenge assumptions around best practices of sustainable urban development, but also to improve the methodology of applying co-creation to tackle housing and planning issues in postcolonial contexts.

#### References:

Bisschops, S., & Beunen, R. (2019). A new role for citizens’ initiatives: the difficulties in co-creating institutional change in urban planning. *Journal of Environmental Planning and Management*, 62(1), 72–87. <https://doi.org/10.1080/09640568.2018.1436532>

Boonstra, B. (2015). Planning strategies in an age of active citizenship: A post-structuralist agenda for self-organization in spatial planning. In PhD Series in Planning.

CIVICUS (2011). An Assessment of Civil Society in Cyprus.

Constantinides, G. (2018). Reasons for and Consequences of Urban Sprawl. In N. Patsavos & I. Pissourios (Eds.), *The Cypriot City Paradigm: Urbanity Issues in Design and Planning*. Cyprus Architects Association & Domes.

Cozzolino, S., Buitelaar, E., Moroni, S., & Sorel, N. (2017). Experimenting in urban self-organization: Framework-rules and emerging orders in Oosterwold. *Cosmos + Taxis*, 4(2), 49–59.

Davis, A., & Andrew, J. (2017). Co-creating Urban Environments to Engage Citizens in a Low-carbon Future. *Procedia Engineering*, 180, 651–657. <https://doi.org/10.1016/j.proeng.2017.04.224>

Ekers, M., Hamel, P., & Keil, R. (2012). Governing suburbia: Modalities and mechanisms of suburban governance. *Regional Studies*, 46(3), 405–422. <https://doi.org/10.1080/00343404.2012.658036>



Filion, P., & Keil, R. (2017). Contested Infrastructures: Tension, Inequity and Innovation in the Global Suburb. *Urban Policy and Research*, 35(1), 7–19. <https://doi.org/10.1080/08111146.2016.1187122>

Galuszka, J. (2019). What makes urban governance co-productive? Contradictions in the current debate on co-production. *Planning Theory*, 18(1), 143–160. <https://doi.org/10.1177/1473095218780535>

Garcia, M., & Haddock, S.V. (2016). Special issue: housing and community needs and social innovation responses in times of crisis. *Journal of Housing and the Built Environment*, 31(3), 393–407. <https://doi.org/10.1007/s10901-015-9466-1>

Hamel, P., & Keil, R. (2016). Governance in an emerging suburban world. *Cadernos Metr pole*, 18(37), 647–670. <https://doi.org/10.1590/2236-9996.2016-3702>

Ioannou, B. (2016). Post-colonial urban development and planning in Cyprus: Shifting visions and realities of early suburbia. *Urban Planning*, 1(4), 79–88. <https://doi.org/10.17645/up.v1i4.768>

Koster, M. (2015). Citizenship agendas, urban governance and social housing in the Netherlands: an assemblage approach. *Citizenship Studies*, 19(2), 214–228. <https://doi.org/10.1080/13621025.2015.1005951>

Leontidou, L. (1990). *The Mediterranean City in Transition: Social Change and Urban Development*. Cambridge University Press. <https://doi.org/10.1017/CBO9780511522208>

Mavratsas, C.V. (1998). Greek-Cypriot political culture and the prospect of European Union membership: A worst-case scenario. *Cyprus Review*, 10(1), 67–76.

Morgan, K. (2018). Experimental governance and territorial development. In Background paper for an OECD/EC Workshop on 14 December 2018 within the workshop series “Broadening innovation policy: New insights for regions and cities.”

Watson, V. (2009). Seeing from the South: Refocusing urban planning on the globe’s central urban issues. *Urban Studies*, 46(11), 2259–2275. <https://doi.org/10.1177/0042098009342598>

**Keywords:** active citizenship, urban governance, urban living labs

**Panayi, C., Roussou, E., & Charalambous, N. (2023, August). *Fostering transdisciplinarity and co-creation in architecture: from research to teaching and vice versa*. EAAE Annual conference 2023 School of Architecture(s), Turin, Italy.**

**Abstract:** The Co-creation design studio, at the Department of Architecture, University of Cyprus, has been acting as a meeting place for students, educators, researchers, citizens, and external stakeholders since 2021, aiming to bridge gaps between architectural research, pedagogy, civil society, and local governance bodies through a transdisciplinary pedagogical framework. Acknowledging that many societal challenges are complex and multifaceted and cannot be adequately addressed by any single discipline or sector alone, the Co-creation studio focuses on the co-production of knowledge with stakeholders outside of academia. This entails involving them from the outset of the project, as well as co-designing design activities and proposals that are relevant to their needs and interests, ensuring a grounded process in real-world challenges.

The studio’s pedagogical framework and methodology have been designed, implemented, and evaluated three times until now, through participatory action research methodology, investigating the impact on the design result, on the development of skills for the students, and their attitude towards their role as future professionals. The paper highlights the findings of these three years of research, with a reflective way, suggesting future steps for improvement. Its long-term repetition will gradually

build a knowledge base, aiming to revisit existing educational methods, to respond to current and future challenges in an efficient and inclusive way.

**Keywords:** community-engaged design, live studio, sustainability practices, transdisciplinarity

**Pappa, A. (2023, May). *Urban commons and the City: Framing the urban commons through institutional policies of public-civic collaboration*. In 8th Colóquio Arquitetura dos Territórios Metropolitanos Contemporâneos 2023, Lisbon, Portugal.**

**Abstract:** Urban commons is an emerging paradigm in Europe that has gained growing attention in recent years reflected both in the rising literature around its multiple facets and in a blossoming of collective practices of co-creation and stewardship in the urban space. Advocating sharing and collaborative management of urban resources, such as housing, energy and public space, urban commons initiatives foster the reclaiming of fundamental rights in the city<sup>9</sup> and are hence seen as a response to challenges posed by the neoliberal management of resources, privatisation, and urbanisation trends, such as gentrification. Traditionally these initiatives are principally self-organised, yet there is an increasing support by municipalities worldwide in forming policies and institutions that promote the collaborative regeneration of urban spaces into urban commons as an attempt to democratise the urban governance and involve citizens in the decision-making processes that affect their neighbourhoods and lives. However, the relationship between state or the City and urban commons is being addressed in an ongoing debate in scholarly discourses, examining whether and in what conditions the emancipatory social processes of commoning should be institutionalised and conformed into regulations. This paper examines the definition of the urban commons spaces in literature and its interpretation by municipal policies that are explicitly implementing regulatory frameworks around their development and sustainability. Based on a theoretical review on the urban commons, the defining parameters upon which the policies are analysed are the resources, people or institutions that manage them and social processes of governing them. The paper analyses two paradigmatic institutional cases of regenerating urban commons developed in Bologna and Barcelona under different contexts, juxtaposing their two approaches in sharing the management and responsibility of the public assets with citizens and local organisations. It concludes by underscoring the contributions of the two policies, inclining or different, in the conceptualisation of the urban commons. An anticipated extension of this first step would be the project-scale examination of the policies to understand if and how the ownership transfer of the public assets contributes to true urban commons Practices.

References:

Ajuntament de Barcelona (2017) Patrimoni ciutadà.

de Angelis, M. (2017) Omnia Sunt Communia, Omnia Sunt Communia.

Angelis, M. De and Stavrides, S. (2010) 'Beyond Markets or States: Commoning as Collective Practice (a public interview)', *An Architektur*, 23. Available at: <https://www.e-flux.com/journal/17/67351/on-the-commons-a-public-interview-with-massimo-de-angelis-and-stavros-stavrides/> (Accessed: 05 May 2023).

Barbosa, J. T. (2019) *DESIGNING COMMONING: A design research about the challenges of building sustainable collaborations for urban transitions*.

Barcelona City Council Commons Policy: Citizens Asset Programme and Community management of public resources and services (no date).

Bianchi, I. (2022) 'The commonification of the public under new municipalism: Commons–state institutions in Naples and Barcelona', *Urban Studies*.



- Bloemen, S., Bader, M. and Kimmel, J. (2018) 'Urban Commons Shared Spaces'.
- Castro, M. C. and Forné, L. A. (2021) Patrimoni Ciutadà: un marc per a la col·laboració públic-comunitària. Barcelona. Available at: <https://lahidra.net/ca/informe-patrimoni-ciutada-un-marc-de-collaboracio-public-comunitari/> (Accessed: 7 May 2023).
- Dardot, P. and Laval, C. (2019) Common: On Revolution in the 21st Century. Edited by M. MacLellan.
- Dellenbaugh-Losse, M., Zimmermann, N.-E. and De Vries, N. (2015) 'The Urban Commons Cookbook: Strategies and Insights for Creating and Maintaining Urban Commons'.
- Federici, S. (2018) Re-enchanting the World. Oakland: PM Press.
- Foster, S. R. and Iaione, C. (2016) 'The City as a Commons', YALE LAW & POLICY REVIEW, 34(281), pp. 281–349.
- Foster, S. R. and Iaione, C. (2020) 'Urban Commons', Urban Studies. doi: 10.1093/OBO/9780190922481-0015.
- Hardin, G. (1968) 'The Tragedy of the Commons', Source: Science, New Series, 162(3859), pp. 1243–1248.
- Hardt, M. and Negri, A. (2009) Commonwealth. Cambridge, Mass.: Belknap Press of Harvard University Press.
- Harvey, D. (2008) 'The right to the city', New Left Review, 53(23), p. 40.
- Hess, C. (2008) 'Mapping the New Commons', SSRN Electronic Journal, (July).
- Huron, A. (2017) 'Theorising the urban commons: New thoughts, tensions and paths forward', Urban Studies, 54(4), pp. 1062–1069.
- Iaione, C. (2015) 'GOVERNING THE URBAN COMMONS'. ITALIAN JOURNAL OF PUBLIC LAW, 7(1/201).
- Iaione, C. (2017) The Co-Cities Protocol. Available at: <https://labgov.city/co-city-protocol/>.
- Iaione, C. and Foster, S. (2015) 'The Co-cities Report: building a "Co-cities Index" to measure the implementation of the EU and UN Urban Agenda'.
- Iaione, C., De Nictolis, E. and Suman, A. B. (2019) 'The Internet of Humans (IoH): Human Rights and Co-Governance to Achieve Tech Justice in the City', Law and Ethics of Human Rights, 13(2), pp. 263–299.
- LabGov (2014) Regulation on Collaboration Between Citizens and the City for the Care and Regeneration of Urban Commons.
- Lain, B. (2015) 'New Common Institutions in Barcelona: A Response to the Commodification of the City?', 2014(March), pp. 19–20.
- Lee, B. Y. M. J. and Levine, P. (2016) 'A New Model for Citizen Engagement', Standard Social Innovation Review, (Fall 2016), pp. 40–45.
- Lefebvre, H. (1996) 'The Right to the City', in Lebas, Elizabeth, Kofman, E. (ed.) Writings on Cities. Cambridge: Mass, USA Blackwell Publishers, p. 260.
- Linebaugh, P. (2008) The Magna Carta Manifesto, Liberties and Commons for All. Berkeley, Los Angeles, London: University of California Press.
- Manzini, E. (2015) Design, When Everybody Designs, Design, When Everybody Designs. Edited by K. Friedman and E. Stolterman. The MIT Press.
- Mattei, U. (2011) 'Institutionalizing the Commons: An Italian Primer'.

McLaren, D. and Agyeman, J. (2015) 'Sharing Cities: A Case for Truly Smart and Sustainable Cities'. The MIT Press.

de Moor, T. (2012) 'What Do We Have in Common? A Comparative Framework for Old and New Literature on the Commons', *International Review of Social History*, 57(2), pp. 269–290.

Ostrom, E. (1990) *Governing the Commons: The Evolution of Institutions for Collective Action*. Cambridge: Cambridge University Press.

Parr, A. (2015) 'Urban Debt, Neoliberalism and the Politics of the Commons', *Theory, Culture & Society*, 32(3), pp. 69–91.

quintuple helix | LabGov (no date). Available at: <https://labgov.city/tag/quintuple-helix/> (Accessed: 24 September 2022).

Rethinking the Urban Commons in European City-Regions – Urban Transformations (2018). Available at: <https://www.urbantransformations.ox.ac.uk/event/rethinking-the-urban-commons-in-european-city-regions/> (Accessed: 6 November 2021).

Shareable (2018) *Sharing Cities: Activating the Urban Commons*. Edited by Shareable. Creative Commons.

Stavrides, S. (2015) 'Common Space as Threshold Space: Urban Commoning in Struggles to Re-appropriate Public Space', *FOOTPRINT*, 16(Spring 2015), pp. 09–20.

Stavrides, S. (2016) *Common Space: The City as Commons*. Zed Books London.

**Keywords:** policy, public-civic collaboration, urban commons

**Pappa, A., & Paio, A. (2023, March). *Local partnerships and urban governance: The case of Lisbon*. In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference* (pp. 58-61). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** Collaborative forms of governance in urban regeneration are increasingly gaining ground in cities around the world, contributing to the active engagement of citizens in decision-making processes that affect their neighbourhoods and lives. In some cases, municipalities even attempt to embrace local grassroots initiatives led by active citizens, who creatively invent ways to regain and co-manage the urban commons. Extrapolated In the urban scale, such initiatives create networks of social practices of commoning that foster platforms of individual and collective rights (Stavrides, 2016) and help citizens reclaim the urban value (Borch & Kornberger, 2015).

In a similar vision, the Department of Housing and Local Development of the Municipality of Lisbon launched in 2011 a participatory budget program, namely BIP/ZIP, that serves as an instrument of public policy. The aim of BIP/ZIP is to annually fund bottom-up initiatives led by local partnerships in 67 priority neighbourhoods that enable responses to social and territorial emergencies. As of its 2021 edition, the program has funded 426 projects, involving 1403 different partner entities.

The aim of this research is to investigate the matrix of local partnerships that have been formulated throughout the eleven years of BIP/ZIP and understand their dynamic role for the city of Lisbon. The methodology employs data analysis and qualitative coding methods (Saldana, 2021) to (i) a map the complex networks of partners, and (ii) explore the transformation of the urban governance through the emerging roles of different types of partners – organisations.

References:

Allegretti, G., & Hartz-Karp, J. (2017). Participatory budgeting: A methodological approach to address sustainability challenges. *Methods for Sustainability Research*, 203–216.

Borch, C., & Kornberger, M. (2015). *Urban commons: Rethinking the city*. Routledge.

Calzada, I., & Cowie, P. (2017). Beyond Smart and Data-Driven City-Regions? Rethinking Stakeholder-Helices Strategies. *Regions Magazine*, 308(4), 25–28.

Crespo, J. L., & Caetano, L. (2021). BIP/ZIP program: Intervention in the neighborhoods and priority areas in Lisbon (PT). *Urban Maestro, New Governance Strategies for Urban Design*.

Foster, S. R., & Iaione, C. (2020). *Urban Commons*. *Urban Studies*.

Huron, A. (2018). *Carving Out the Commons: Tenant Organizing and Housing Cooperatives in Washington, D.C.* University of Minnesota Press.

Iaione, C. (2015). *Governing the urban commons*.

Iaione, C. (2017). *The Co-Cities Protocol*. <https://labgov.city/co-city-protocol/>

Iaione, C., & Foster, S. (2015). *The Co-cities Report: building a “Co-cities Index” to measure the implementation of the EU and UN Urban Agenda*.

Saldana, J. (2021). *The Coding Manual for Qualitative Researchers* (4th ed.). SAGE Publications.

Stavrides, S. (2016). *Common Space: The City as Commons*. Zed Books London.

quintuple helix | LabGov. (n.d.). Retrieved September 24, 2022, from <https://labgov.city/tag/quintuple-helix/>

**Keywords:** local partnerships, participatory budget, urban governance, urban regeneration

**Pappa, A., Tzika, Z., Roussou, E., & Panagidis, A. (2023, December). *Informality as evidence: ethnographic insights from Southern European contexts*. In KAEBUP 2023 Conference, Nicosia, Cyprus.**

**Abstract:** The rising interest in evidence-based practices for urban planning has opened up a pool of tools and methods that transform design processes and foster informed decision-making. While digital tools, big data and simulations provide codified evidence imperative for urban research, they significantly focus on the ‘big picture’ which often neglects the gaps between formal planning and everyday life at a local level. By reflecting upon heterogeneous socio-spatial arrangements produced through daily appropriation tactics, informality is framed as evidence for planning and design. The focus of the paper is on underrepresented groups that reclaim their participation through the configuration of everyday spaces. at four countries of the European South: Spain, Greece, Cyprus and Portugal. Following an ethnographic approach, and using photography as a grounded research method, practices of informal and direct participation, which are often overlooked, are being acknowledged, analysed and compared. Identifying instances of urban informality as alternatives to formal processes of urban development, reveals traces of negotiation, claims to space, exclusion, but also collaboration and sharing. The selected cases are juxtaposed, looking at their constitutive characteristics, motives, target groups, agencies, tactics, relation with the state and finally their contribution in the urban informality discourse. As a result, the paper seeks to recognise, firstly, informality as a legitimate source of knowledge in the urban planning debates, and secondly, the importance of incorporating ethnographic approaches in evidence-based design and planning.

**References:**

Alterman, R., & Calor, I. (2020). Between informal and illegal in the Global North: Planning law, enforcement and justifiable noncompliance. In U. Grashoff (Ed.), *Comparative Approaches to Informal Housing Around the Globe* (pp. 150–185). UCL Press.

Antunes, B., March, H., & Connolly, J. J. T. (2020). Spatializing gentrification in situ: A critical cartography of resident perceptions of neighbourhood change in Vallcarca, Barcelona. *Cities*, 97. <https://doi.org/10.1016/j.cities.2019.102521>

Ascensão, E. (2010), The ‘postcolonial slum’: informal settlement as a ‘building event’ in Lisbon, Portugal, working paper presented at The Urban Salon, 18/1/2010, accessible at <http://kcl.academia.edu/EduardoAscens%C3%A3o>

Ascensão, E. (2016) ‘The Slum Multiple: A Cyborg Micro-history of an Informal Settlement in Lisbon’, *International Journal of Urban and Regional Research*, 39(5), pp. 948–964.

Broom, D. (2017). *Animal Welfare in the European Union*.

Camara Municipal de Lisboa (CML), (no date). ‘index @ websig.cm-lisboa.pt’. Available at: <https://websig.cm-lisboa.pt/MuniSIG/visualizador/index.html?viewer=LxInterativa.LXi>

Cardoso, A. (1983). *State intervention in Housing in Portugal 1960-1980* (PhD Thesis). School of Planning Studies. University of Reading

Cociña, C., Frediani, A. A., Acuto, M., & Levy, C. (2019). Knowledge translation in global urban agendas: A history of research-practice encounters in the Habitat conferences. *World Development*, 122, 130–141. <https://doi.org/10.1016/j.worlddev.2019.05.01>

Crawford, M. (1999). Introduction. In J. Chase, M. Crawford, & J. Kaliski (Eds.), *Everyday Urbanism*. New York: Monacelli Press

Dikovic, J. (2018) *Squatting*. In A. Ledeneva (Ed.), *The Global Encyclopaedia of Informality: Understanding Social and Cultural Complexity*, Volume 2. London: UCL Press.

Grashoff, U., & Yang, F. (2020). Towards critique and differentiation: Comparative research on informal housing. In U. Grashoff (Ed.), *Comparative Approaches to Informal Housing Around the Globe* (pp. 1–21). UCL Press. <https://doi.org/10.2307/j.ctv13xpsrb.8>

Hadjimichalis, C. (2011). Uneven geographical development and socio-spatial justice and solidarity: European regions after the 2009 financial crisis. *European Urban and Regional Studies*, 18(3), 254–274. <https://doi.org/10.1177/0969776411404873>

Haraway, D. (1985). A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century. *Socialist Review*, 80, 65-108 14

**Keywords:** evidence-based research, informal urbanism, Southern Europe, spatial negotiation

**Ricaurte, L. (2023, March). *New approaches to post-occupancy Evaluation: Unveiling the social value of housing design*. In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference* (pp. 32-36). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** This research focuses on identifying the spaces that are crucial in yielding the well-being and quality of life of residents in housing schemes. Post-Occupancy Evaluation (POE) is a promising method for assessing a building’s adequacy to meet social impact goals, comply with building regulations, and deliver improved sustainability and affordability, but it tends to focus on environmental outcomes rather than the less tangible social outcomes (Hay et al., 2017; RIBA &

MacDonald P., 2020; Samuel, 2020). When it comes to housing, a decision about the height of a bench in a common space, the position of windows and porches in relation to a playground, or the size of a stairwell can affect the social value of a space, and only dialogue with inhabitants can bring these nuances to light. Although architects such as Herman Hertzberger (1963, 1991) have speculated about these effects, they have not yet been subject to systematic study or reconciled with contemporary debates about the social value of housing. In the field of urban design, for instance, Jan Gehl (Gehl, 1986, 2010, 2011; Gehl et al., 2006; Gehl & Svarre, 2013) has developed scholarship and methodological approaches that rely on systematic participant observation and surveys to determine what constitutes appropriate spaces that support vibrant residential life and liveable neighbourhoods. This paper makes the argument that these enquiries can be further complemented and informed by incorporating experiences from disciplines such as the geographies of architecture, particularly the research on ‘building events’ conducted by Lees and Baxter (Lees, 2001; Lees & Baxter, 2011), and Rose, Degen and Basdas (2010). Altogether, this can deepen the development of a more structured and evidence-based POE that is able to create and sustain learning loops that incorporate the inhabitants’ experience of spaces and shed light on the design process of housing schemes. The research question guiding the development of this paper is therefore: to what extent can the social value created by the design of housing blocks be better informed and conceptualised involving participant observation and architectural geography as part of post-occupancy evaluation?

#### References:

Baxter, R., & Lees, L. (2008). Chapter 9 - The rebirth of high-rise living in London: towards a sustainable, inclusive, and liveable urban form. In *Regenerating London* (Vol. 1, Issue 40, pp. 151–172). Routledge. [https://doi.org/10.4324/9780203886717\\_chapter\\_9](https://doi.org/10.4324/9780203886717_chapter_9)

Brand, S. (1995). *How buildings learn: What happens after they’re built*. Penguin.

Durosaiye, I. O., Hadjri, K., & Liyanage, C. L. (2019). A critique of post-occupancy evaluation in the UK. *Journal of Housing and the Built Environment*, 34(1), 345–352. <https://doi.org/10.1007/s10901-019-09646-2>

Gehl, J. (1986). “Soft edges” in residential streets. *Scandinavian Housing and Planning Research*, 3(2), 89–102. <https://doi.org/10.1080/02815738608730092>

Gehl, J. (2010). *Cities for People*. Island Press.

Gehl, J. (2011). *Life between buildings* (6th ed.). Island Press.

Gehl, J., Kaefer, L. J., & Reigstad, S. (2006). Close encounters with buildings. *Urban Design International*, 11, 29–47. <https://doi.org/10.1057/palgrave.udi.9000162>

Gehl, J., & Svarre, B. (2013). *How to study public life* (Vol. 2). Springer.

Groat, L. N., & Wang, D. (2013). *Architectural research methods*. John Wiley & Sons.

Hadjri, K., & Crozier, C. (2009). Post-occupancy evaluation: Purpose, benefits and barriers. *Facilities*, 27(1–2), 21–33. <https://doi.org/10.1108/02632770910923063>

Hay, R., Samuel, F., Watson, K. J., & Bradbury, S. (2017). Post-occupancy evaluation in architecture: experiences and perspectives from UK practice. *Building Research & Information*, 46(6), 698–710. <https://doi.org/10.1080/09613218.2017.1314692>

Hertzberger, H. (1963). Flexibility and polyvalency. *Ekistics*, 15(89), 238–239. <http://www.jstor.org/stable/43616104>

Hertzberger, H. (1991). *Lessons for students in architecture* (Vol. 1). 010 Publishers.

Jacobs, J. M. (2006). A geography of big things. *Cultural Geographies*, 13(1), 1–27. <https://doi.org/10.1191/1474474006EU354OA>

- Jacobs, J. M., Cairns, S., & Strebel, I. (2010). More on “big things”: building events and feelings. *Transactions of the Institute of British Geographers*, 35(3), 334–349. <http://www.jstor.org/stable/40890991>
- Jenkins, L. (2002). Geography and Architecture: 11, Rue du Conservatoire and the Permeability of Buildings. *Space and Culture*, 5(3), 222–236. <https://doi.org/10.1177/1206331202005003003>
- Lees, L. (2001). Towards A Critical Geography of Architecture: The Case of an Ersatz Colosseum. *Ecumene*, 8(1), 51–86. <https://doi.org/10.1177/096746080100800103>
- Lees, L., & Baxter, R. (2011). A ‘building event’ of fear: thinking through the geography of architecture. *Social & Cultural Geography*, 12(2), 107–122. <https://doi.org/10.1080/14649365.2011.545138>
- Lynch, K. (1964). *The image of the city*. MIT Press.
- Raiden, A., & King, A. (2021). *Social Value in Practice* (1st ed.). Routledge. <https://doi.org/https://doi.org/10.1201/9781003024910>
- Raiden, A., Loosemore, M., King, A., & Gorse, C. (2018). *Social Value in Construction* (1st ed.). Routledge. <https://doi.org/https://doi.org/10.1201/9781315100807>
- RIBA, & MacDonald P. (2020). *Post Occupancy Evaluation An essential tool to improve the built environment* (A. Forth, Ed.). RIBA.
- Rose, G., Degen, M., & Basdas, B. (2010). More on “big things”: Building events and feelings. *Transactions of the Institute of British Geographers*, 35(3), 334–349. <https://doi.org/10.1111/J.1475-5661.2010.00388.X>
- Samuel, F. (2020). *RIBA social value toolkit for architecture*. Royal Institute of British Architects. <https://www.architecture.com/-/media/GatherContent/Social-Value-Toolkit-for-Architecture/Additional-Documents/RIBAUoR-Social-Value-Toolkit-2020pdf.pdf>
- UK Green Building Council (2020). *Delivering Social Value: Measurement*. <https://www.ukgbc.org/ukgbc-work/delivering-social-value-measurement/>
- UK Green Building Council (2021). *Framework for Defining Social Value*. <https://www.ukgbc.org/ukgbc-work/framework-for-defining-social-value/>
- URBED (2021). *The Quality of Life Framework*. <https://www.qolf.org/framework/>

**Keywords:** architectural geography, housing design, post-occupancy evaluation, quality of life, social value

**Roussou, E., & Charalambous, N. (2023, March). *On becoming a spatial agent: A comparative analysis of transdisciplinary design and build studio pedagogy in Cyprus and Sweden*. In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference* (pp. 37-40). Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** As the traditional design studio becomes increasingly obsolete in the face of complex and multi-faceted realities, architectural education is in urgent need of profound restructuring (Awan et al., 2011; Doucet, 2017; Salazar Ferro et al., 2020). For several decades, the live studio framework, i.e. a framework that exposes students to the contingencies of a “real-world” experience, intertwined with a web of spatial, social, environmental and political aspects, has been challenging the archetype of the architect, allowing for a proliferation of the ways of being-in-context for students, educators, institutions and communities alike (Abrahams et al., 2021). There is, however, room for further



exploration in the ways in which the live studio is interpreted and implemented, within a rising post-capitalist wave of thought, both in the different geographical and cultural contexts, but also in its ideological standpoint and underpinnings.

The aim of this paper is to contribute to the ongoing discussion on reshaping live studio architectural education as a transformative pedagogy geared towards design activism, direct action and reclaiming learning as a commons that transcends the boundaries of academia (Bollier, 2021). More specifically, the study aims to provide insight on the impact of a transdisciplinary design & build pedagogical model on student perceptions regarding their positioning as future professionals, their attitude towards processes of cooperation and co-creation with various stakeholders, as well as their confidence levels regarding transdisciplinary, hands-on teamwork. A transnational comparative analysis of two courses, one at the University of Cyprus in Nicosia and the other at Chalmers University of Technology in Gothenburg, that share a focus on public space in suburban residential areas through similar learning objectives and syllabi, is used to both draw parallels and explore the differences between two distinct contexts, as well as highlight any transferable aspects and elements.

To address the above, the study draws on social sciences methodologies within a participatory action research (PAR) framework; a set of two questionnaires was handed out to the participating students of both courses, one in the beginning of each course and one at their completion, in order to trace and document both the collective and the individual shifts in mindsets and perceptions. Within the PAR framework, a reflexive insider researcher perspective methodology is used, solidified both by prior familiarity with these contexts in both a macro (cultural, historical) and a micro (educational, interpersonal) level, and by an active and immersed role as teachers throughout the process. This position enabled the enrichment of the research process by building bonds of trust between those involved, through which observation and in-depth analysis of formal (focus group session) and informal, everyday interactions was facilitated, while working collaboratively towards a common goal.

Building on the abovementioned, this paper reflects on the opportunities, implications as well as the limitations of a situated, transdisciplinary, design & build studio as a hub for training future architects in becoming socially conscious spatial agents, able to assess and respond effectively to complex challenges and work collectively towards a common future.

#### References:

- Aalbers, M. B. (2022). Towards a relational and comparative rather than a contrastive global housing studies. *Housing Studies*, 37(6), 1054–1072. <https://doi.org/10.1080/02673037.2022.2033176>
- Abrahams, C., Delport, H., Perold, R., Weber, A. M., & Brown, J. B. (2021). Being-in-context through live projects in architectural education: Including situated knowledge in community engagement projects. *Critical Studies in Teaching and Learning*, 9(SI), 99–125. <https://doi.org/10.14426/cristal.v9iSI.337>
- Awan, N., Schneider, T., & Till, J. (2011). *Spatial Agency: Other Ways of Doing Architecture*. Routledge.
- Doucet, I. (2017). Learning in the 'Real' World: encounters with radical architectures (1960s–1970s). *Journal of Educational Administration and History*, 49(1), 7–21. <https://doi.org/10.1080/00220620.2017.1252735>
- Lorne, C. (2017). Spatial agency and practising architecture beyond buildings. *Social and Cultural Geography*, 18(2), 268–287. <https://doi.org/10.1080/14649365.2016.1174282>
- Robinson, J. (2016). Comparative Urbanism: New Geographies and Cultures of Theorizing the Urban. *International Journal of Urban and Regional Research*, 40(1), 187–199. <https://doi.org/10.1111/1468-2427.12273>
- Ronald, R. (2011). Ethnography and Comparative Housing Research. *International Journal of Housing Policy*, 11(4), 415–437. <https://doi.org/10.1080/14616718.2011.626605>



Salazar Ferro, C., Artega Arredondo, I., Rodriguez, C. M., & Nadal, D. H. (2020). Active Learning in Architectural Education: A Participatory Design Experience (PDE) in Colombia. *International Journal of Art and Design Education*, 39(2), 346–366. <https://doi.org/10.1111/jade.12280>

**Keywords:** commons, design and build pedagogy, live studio, spatial agency, transdisciplinarity

**Roussou, E., & Pappa, A. (2023, May). *From teaching the commons to commoning teaching: towards a reflexive architectural education.* In SMOOTH: Educational Commons and Active Social Inclusion Conference, Volos, Greece.**

**Abstract:** While interest in the commons has increased over the years among academics in architecture, there are still limited examples of architectural education becoming in itself a commoning process. We suggest that in order to foster a commoning culture within architectural education, we need to invest in reflexive activities grounded on experimentation, creativity and collaboration.

This paper presents two academic activities independently developed but of similar characteristics in the number of the participants and their diversity in the level of study. The first is a thematic workshop held at the University Institute of Lisbon within an Erasmus+BIP, which through a scenario-based unstructured game invited students to strategize about their own urban commons developed in an empty plot at their university campus. The second case is the design & build workshop at the University of Cyprus implemented as the final stage of a semester-long co-creation process, in which students designed a park in suburban Nicosia and constructed part of its urban equipment.

Both cases lifted operational, architectural, political, financial and social aspects contributing to the reconsideration of the role of the architect and the design process. By reflecting on these experiences through students' and teachers' observations we aim to cross-pollinate between approaches and understand the contribution of commoning as a tool for knowledge production towards the development of social and operational skills of the future professionals.

#### References:

Abrahams, C., Delport, H., Perold, R., Weber, A. M., & Brown, J. B. (2021). Being-in-context through live projects in architectural education: Including situated knowledge in community engagement projects. *Critical Studies in Teaching and Learning*, 9(SI), 99–125. <https://doi.org/10.14426/cristal.v9iSI.337>

Angelis, M. De and Stavrides, S. (2010) 'Beyond Markets or States: Commoning as Collective Practice (a public interview)', *An Architektur*, 23. Available at: <https://www.e-flux.com/journal/17/67351/on-the-commons-a-public-interview-with-massimo-de-angelis-and-stavros-stavrides/> (Accessed: 5 November 2021).

Awan, N., Schneider, T., & Till, J. (2011). *Spatial Agency: Other Ways Of Doing Architecture*. Routledge.

Borch, C. and Kornberger, M. (2015) *Urban commons: Rethinking the city*. Routledge. doi: <https://doi.org/10.4324/9781315780597>.

Chiles, P. (2014). Live: Between citizens and the state. In H. Harriss & L. Widder (Eds.), *Architecture Live Projects: Pedagogy into Practice* (pp. 183–188). Routledge.

Dellenbaugh-Losse, M., Zimmermann, N.-E. and De Vries, N. (2015) 'The Urban Commons Cookbook: Strategies and Insights for Creating and Maintaining Urban Commons'.

Doucet, I. (2017). Learning in the 'Real' World: encounters with radical architectures (1960s–1970s). *Journal of Educational Administration and History*, 49(1), 7–21. <https://doi.org/10.1080/00220620.2017.1252735>

Foster, S. R. and Iaione, C. (2016) 'The City as a Commons', *YALE LAW & POLICY REVIEW*, 34(281), pp. 281–349.

Hardt, M. and Negri, A. (2009) *Commonwealth*. Cambridge, Mass.: Belknap Press of Harvard University Press. Available at: <http://site.ebrary.com/id/10402487>.

Harriss, H., & Widder, L. (2014). *Architecture live projects pedagogy into practice*.

Harvey, D. (2008) 'The right to the city', *New Left Review*, 53(23), p. 40. Available at: <https://newleftreview.org/issues/ii53/articles/david-harvey-the-right-to-the-city>.

Hooks, B. (2003). *Teaching Community: A Pedagogy of Hope* (1st ed.). Routledge. <https://doi.org/10.4324/9780203957769>

Iaione, C., De Nictolis, E. and Suman, A. B. (2019) 'The Internet of Humans (IoH): Human Rights and Co-Governance to Achieve Tech Justice in the City', *Law and Ethics of Human Rights*, 13(2), pp. 263–299. doi: <https://doi.org/10.1515/lehr-2019-2008>

Lefebvre, H. (1996) 'The Right to the City', in Lebas, Elizabeth, Kofman, E. (ed.) *Writings on Cities*. Cambridge: Mass, USA Blackwell Publishers, p. 260. Available at: <https://trove.nla.gov.au/work/15941993> (Accessed: 15 December 2020).

Linebaugh, P. (2008) *The Magna Carta Manifesto, Liberties and Commons for All*. Berkeley, Los Angeles, London: University of California Press.

Lorne, C. (2017). Spatial agency and practising architecture beyond buildings. *Social and Cultural Geography*, 18(2), 268–287. <https://doi.org/10.1080/14649365.2016.1174282>

McLaren, D. and Agyeman, J. (2015) 'Sharing Cities: A Case for Truly Smart and Sustainable Cities', *Sharing Cities*. doi: <https://doi.org/10.7551/MITPRESS/9780262029728.001.0001>

Parnell, R. (2003). Knowledge Skills and Arrogance: Educating for Collaborative Practice. In E. Harder (Ed.), *Writings in Architectural Education: EAAE Transaction on architectural education* (pp. 58–71). EAAE.

Parr, A. (2015) 'Urban Debt, Neoliberalism and the Politics of the Commons', *Theory, Culture & Society*, 32(3), pp. 69–91. doi: <https://doi.org/10.1177/0263276414536234>

Petrescu, D., & Trogal, K. (2017). The social (re)production of architecture: Politics, values and actions in contemporary practice. In *The Social (Re)Production of Architecture: Politics, Values and Actions in Contemporary Practice*. <https://doi.org/10.4324/9781315717180>

Shareable (2018) *Sharing Cities: Activating the Urban Commons*. Edited by Shareable.

Stavrides, S. (2015) 'Common Space as Threshold Space: Urban Commoning in Struggles to Re-appropriate Public Space', *FOOTPRINT*, 16(Spring 2015), pp. 09–20. Available at: <https://131.180.77.110/footprint/article/view/896/1061> (Accessed: 8 February 2022).

Stavrides, S. (2016) *Common Space: The City as Commons*. Zed Books London.

Till, J. (2009). *Architecture depends*. MIT Press.

**Keywords:** commons

**Tzika, Z., & Furman, S. (2023, March). *Towards integrating social and environmental sustainability in housing: Conceptualisation, measurement frameworks, and indicators*. In Diaconu, A. (Ed.)**

**Proceedings of the RE-DWELL Grenoble Conference (pp. 73-77). Pacte Social Sciences Research Centre, University Grenoble Alpes Grenoble, France. DOI <https://doi.org/10.5281/zenodo.7705327>**

**Abstract:** The global housing crisis is an important social, environmental, and economic issue that is increasingly affecting more households, leading to housing deprivation. Housing is a “human right” (United Nations, 1948) and a primary physiological human need, underpinning progress towards improved quality of life, health, well-being, and life satisfaction. At the same time, the climate emergency demands more ecological ways of living that vastly reduce energy in order to achieve the European Commission’s goal of carbon neutrality by 2050 (European Commission, 2020). The current lack of adequate sustainable housing can be addressed by employing good practices throughout the design and construction of new housing, alongside drastic maintenance of existing buildings and neighbourhoods via regeneration, reuse and retrofit. The importance of involving communities in the decision-making process, by communicating lived experiences and realities, has been highlighted as a key factor to obtaining more equitable and socially just results (Dempsey et al., 2011). There is a demand for further empirical housing research to better understand the housing conditions of individuals and communities, subsequently improving the failings of housing.

This research explores the meaning of sustainability in housing, to better understand the potential to address current inequalities. Social and environmental sustainability were explored under a broadly constructivist and critical paradigm, not only to challenge their separation, but also to recast the entire relationship between them. Sustainability was first analysed as a theoretical concept, followed by its practical application. In the first part, a literature review was conducted concerning social and environmental sustainability in housing as stand-alone, and integrated concepts. In the second part, Sustainable Assessment Tools (SATs) and their associated indicators were analysed. Framework indicators and conceptual definitions identified within the literature were then compared. This analysis indicates that future investigation into the successes and failures of housing case studies should be conducted through an integrated approach to sustainability, to identify areas for improvement.

**References:**

- Berardi, U. (2012). Sustainability Assessment in the Construction Sector: Rating Systems and Rated Buildings. *Sustainable Development*, 20(6), 411–424. <https://doi.org/10.1002/sd.532>
- Boyer, R. H., Peterson, N. D., Arora, P., & Caldwell, K. (2016). Five approaches to social sustainability and an integrated way forward. *Sustainability*, 8(9), 878. <https://doi.org/10.3390/SU8090878>
- Brindley, T. (2003). The social dimension of the urban village: A comparison of models for sustainable urban development. *Urban Design International*, 8, 53-65. <https://doi.org/10.1057/PALGRAVE.UDI.9000093>
- Chen, G., Cheng, L., & Li, F. (2022). Integrating Sustainability and Users' Demands in the Retrofit of a University Campus in China. *Sustainability*, 14(16). <https://doi.org/10.3390/su141610414>
- D'Agostino, D., Mazzella, S., Minelli, F., & Minichiello, F. (2022). Obtaining the nzeb target by using photovoltaic systems on the roof for multi-storey buildings. *Energy and Buildings*, 112147. <https://doi.org/10.1016/j.enbuild.2022.112147>
- Dempsey, N., Bramley, G., Power, S., & Brown, C. (2011). The social dimension of sustainable development: Defining urban social sustainability. *Sustainable Development*, 19(5), 289–300. <https://doi.org/10.1002/sd.417>
- Edwards, M. (2019). *Social Sustainability and Housing for Vulnerable Groups in Sweden: An Integrated Literature Review*. Oxford.
- Elkington, J. (1997). *Cannibals With Forks: Triple Bottom Line of 21st Century Business*. Oxford.

- European Commission (2021). 2021/0426 (COD) Directive of The European Parliament and of the Council on the Energy Performance of Buildings (Recast). <https://eurlex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52021DC0550&from=E>
- European Commission (2020). 2050 long-term strategy. [https://climate.ec.europa.eu/euaction/climate-strategies-targets/2050-long-term-strategy\\_en](https://climate.ec.europa.eu/euaction/climate-strategies-targets/2050-long-term-strategy_en)
- Hannula, E.-L. (2012). Going green: a handbook of sustainable housing practices in developing countries. UN-HABITAT. <https://unhabitat.org/going-green-a-handbook-of-sustainablehousing-practices-in-developing-countries>
- Karji, A., Woldesenbet, A., Khanzadi, M., & Tafazzoli, M. (2019). Assessment of Social Sustainability Indicators in Mass Housing Construction: A Case Study of Mehr Housing Project. *Sustainable Cities and Society*, 50, 101697. <https://doi.org/10.1016/J.SCS.2019.101697>
- Kubba, S. (2012a). Green Design and the Construction Process. In S. Kubba, *Handbook of Green Building Design and Construction* (pp. 105–144). Elsevier. <https://doi.org/10.1016/b978-0-12-385128-4.00003-2>
- Kubba, S. (2012b). Impact of Energy and Atmosphere. In S. Kubba, *Handbook of Green Building Design and Construction* (pp. 385–492). Elsevier. <https://doi.org/10.1016/b978-0-12-385128-4.00009-3>
- Littig, B., & Griebl, E. (2005). Social sustainability: A catchword between political pragmatism and social theory. *International Journal of Sustainable Development*, 8(1–2), 65–79. <https://doi.org/10.1504/ijisd.2005.007375>
- Lowe, R., Chiu, L. F., & Oreszczyn, T. (2018). Socio-technical case study method in building performance evaluation. *Building Research and Information*, 46(5), 469–484. <https://doi.org/10.1080/09613218.2017.1361275>
- Magee, L., Scerri, A., & James, P. (2012). Measuring Social Sustainability: A Community-Centred Approach. *Applied Research in Quality of Life*, 7(3), 239–261. <https://doi.org/10.1007/s11482-012-9166-x>
- Manoochehri, J. (2016). Social sustainability and the housing problem. In M. Dastbaz, I. Strange, & S. Selkowitz (Eds.), *Building Sustainable Futures: Design and the Built Environment* (pp. 325–347). Springer. [https://doi.org/10.1007/978-3-319-19348-9\\_14](https://doi.org/10.1007/978-3-319-19348-9_14)
- Mehmood, A., & Parra, C. (2013). Social innovation in an unsustainable world. In F. Moulaert, D. MacCallum, A. Mehmood, & A. Hamdouch (Eds.), *The International Handbook on Social Innovation* (pp. 53–66). Edward Elgar Publishing. <https://doi.org/10.4337/9781849809986.00014>
- Orova, M., & Reith, A. (2019). Multiscalarity in International Sustainable Assessment Systems: A Qualitative Comparison of LEED, CASBEE, BREEAM, DGNB and ESTIDAMA on Building, Neighbourhood and City Scale. *IOP Conference Series: Earth and Environmental Science*, 290(1). <https://doi.org/10.1088/1755-1315/290/1/012056>
- Paidakaki, A., & Lang, R. (2021). Uncovering social sustainability in housing systems through the lens of institutional capital: A study of two housing alliances in Vienna, Austria. *Sustainability*, 13(17). <https://doi.org/10.3390/su13179726>
- Thuvander, L., Femenías, P., Mjörnell, K., & Meiling, P. (2012). Unveiling the Process of Sustainable Renovation. *Sustainability*, 4(6), 1188–1213. <https://doi.org/10.3390/su4061188>
- United Nations (1948). Universal Declaration of Human Rights. Universal Declaration of Human Rights; United Nations. <https://www.un.org/en/about-us/universal-declaration-of-humanrights>
- URBED (2020). The Quality of Life Framework. <http://urbed.coop/projects/quality-lifefoundation-framework>

Vallance, S., Perkins, H. C., & Dixon, J. E. (2011). What is social sustainability? A clarification of concepts. *Geoforum*, 42(3), 342–348. <https://doi.org/10.1016/j.geoforum.2011.01.002>

Al Waer, H., & Sibley, M. (2005, April). Building sustainability assessment methods: Indicators, applications, limitations and development trends. In *Conference on Sustainable Building South East Asia*, 1-13.

**Keywords:** environmental sustainability, social sustainability, sustainable housing, sustainable measurement frameworks, Total Quality Assessment

**Tzika, Z., & Sentieri, C. (2023, June). *Understanding community participation in cooperative housing using the capabilities approach*. In *European Network for Housing Research (ENHR) Conference 2023, Lodz, Poland*.**

**Abstract:** As a response to the inadequate housing solutions provided by the housing markets, we observe the emergence of alternative initiatives and community-based approaches to housing provision. Such is the case in grant-of-use housing cooperative groups in Catalonia, which are either self-initiated or formed by secondary cooperatives or non-profit organisations. The democratic participation and organisation of the future residents are key elements of such housing initiatives, and they take place at different degrees at all stages of housing provision, from planning to construction, co-living, and maintenance. The processes vary as the motivations, visions, and needs set different priorities for each group. The capacity of each group to achieve their goals in terms of material and relational housing is being conditioned by their access to resources, their abilities, as well as different structural, operational and participant factors that constrain community participation. The aim of this paper is to understand the potential of community participation for different groups according to their varying resources and capabilities to promote more inclusive and equal processes. The participatory processes will be analysed using the capabilities approach. For that cooperative housing projects will be understood in relation to their resources (freedoms), opportunities (capabilities) of the groups and outcomes (functionings). The case of Catalonia will be used, using the data from the observatory of cooperative housing of Catalonia, as well as data from the fieldwork, observations and interviews. As a result, different participation typologies and consolidation processes have been identified. In that way, we can be aware of inequalities of access to resources, as well as deprivations of capacities and different profiles can be facilitated to have equal opportunities in co-creating their housing.

References:

Alkire, S. (2001). Valuing Freedoms: Sen's Capability Approach and Poverty Reduction. [Http://Lst-liep.liep-Unesco.Org/Cgi-Bin/Wwwi32.Exe/\[In=epidoc1.in\]/?T2000=017723/\(100\)](http://Lst-liep.liep-Unesco.Org/Cgi-Bin/Wwwi32.Exe/[In=epidoc1.in]/?T2000=017723/(100)).

<https://doi.org/10.1093/0199245797.001.0001>

Alkire, S. (2005). Why the Capability Approach? *Journal of Human Development*, 6(1), 115–135.

<https://doi.org/10.1080/146498805200034275>

Avilla-Royo, R., Jacoby, S., & Bilbao, I. (2021). The building as a home: Housing cooperatives in Barcelona. *Buildings*, 11(4). <https://doi.org/10.3390/BUILDINGS11040137>

Batterham, D. (2018). Homelessness as Capability Deprivation: A Conceptual Model. *Housing, Theory and Society*, 36, 1–24. <https://doi.org/10.1080/14036096.2018.1481142>

Bruun, M. H. (2018). The financialization of Danish cooperatives and the debasement of a collective housing good. *Critique of Anthropology*, 38(2), 140–155. <https://doi.org/10.1177/0308275X18761960>

Cabré, E., & Andrés, A. (2018). La Borda: a case study on the implementation of cooperative housing in Catalonia. *International Journal of Housing Policy*, 18(3), 412–432.

<https://doi.org/10.1080/19491247.2017.1331591>

Caldenby, C., Hagbert, P., & Wasshede, C. (2020). The social logic of space. Community and detachment. In *Contemporary Co-housing in Europe: Towards Sustainable Cities?* (pp. 163–182).

Clapham, D., Foye, C., & Blyth, R. (2019). How should we evaluate housing outcomes?

Coates, D., & Anand, P. (2015). A Capabilities Approach to Housing and Quality of Life: The Evidence from Germany.

Cooke, B., & Kothari, U. (2001). Participation: the new tyranny? (B. Cooke & U. Kothari, Eds.). Zed Books.

Crocker, D. A. (2008). *Ethics of Global Development: Agency, Capability, and Deliberative Democracy*. Cambridge University Press.

Dong, A. (2008). The Policy of Design: A Capabilities Approach. In *Design Issues* (Vol. 24, Issue 4).

Ehlenz, M. M. (2018). Making Home More Affordable: Community Land Trusts Adopting Cooperative Ownership Models to Expand Affordable Housing. *Journal of Community Practice*, 26(3), 283–307.

<https://doi.org/10.1080/10705422.2018.1477082>

Fernández, A., & Miró, I. (2016). L' economia social i solidària a Barcelona.

Frediani, A. A. (2015). 'Participatory Capabilities' in Development Practice. [www.bartlett.ucl.ac.uk/dpu](http://www.bartlett.ucl.ac.uk/dpu)

Frediani, A. A., & Hansen, J. (2015). Introduction.

Frediani, A., & Boano, C. (2012). Processes for Just Products: The Capability Space of Participatory Design. In I. Oosterlaken & J. van den Hoven (Eds.), *The Capability Approach, Technology and Design*. Springer.

Freire, P. (1970). *Pedagogy of the oppressed*. Seabury Press.

Haffner, M., & Elsinga, M. (2019). Housing Deprivation Unravelled: Application of the Capability Approach. *European Journal of Homelessness*, 13(1).

Hansen, J. (2013). Locating capabilities in the built environment: socio-spatial products and processes and the capability approach. [www.bartlett.ucl.ac.uk/dpu](http://www.bartlett.ucl.ac.uk/dpu)

Hickey, S., & Mohan, G. (2004). Towards participation as transformation: critical themes and challenges. In *Participation: From tyranny to transformation?*

Kemeny, J. (1995). *From Public Housing Soc Market*. Routledge.

Kemeny, J. (2013). Housing and Social Theory. *Housing and Social Theory*, 1–192.

<https://doi.org/10.4324/9780203413562>

Kimhur, B. (2020). How to Apply the Capability Approach to Housing Policy? Concepts, Theories and Challenges. *Housing, Theory and Society*, 37(3), 257–277.

<https://doi.org/10.1080/14036096.2019.1706630>

Kleine, D. (2010). ICT4What?-Using the Choice Framework to operationalise the Capability Approach to Development. *Journal of International Development*, 22, 674–692.

Landman, K. (2010). Gating the streets in South Africa. In A. Madanipour (Ed.), *Whose Public Space? International case studies in Urban Design and Development*. Routledge.

Madanipour, A. (1996). *Design of Urban Space: An Inquiry into a Socio-Spatial Process*. John Wiley & Sons.



Nussbaum, M. (2011). *Creating Capabilities The Human Development Approach*. Harvard University Press.

Power, E. R., & Mee, K. J. (2019). Housing: an infrastructure of care. *Housing Studies*, 35(3), 484–505. <https://doi.org/10.1080/02673037.2019.1612038>

Rapoport, A. (1990). *History and Precedent in Environmental Design*. Springer New York, NY. <https://doi.org/https://doi.org/10.1007/978-1-4613-0571-2>

Sala, E., Dadda, G., D'Adda, G., & Delgado, L. (2018). Responding to the Precarisation of Housing: A Case Study of PAH Barcelona. In H. Carr, B. Edgeworth, & C. Hunter (Eds.), *Law and the Precarious Home* (pp. 289–315). <https://www.researchgate.net/publication/325226423>

Sen, A. (1999). *Development as Freedom*.

Thörn, H., Larsen, H. G., Wasshede, C., & Hagbert, P. (2020). *Contemporary Co-housing in Europe: Towards Sustainable Cities?* Routledge.

Tummers, L. (2016). The re-emergence of self-managed co-housing in Europe: A critical review of co-housing research. *Urban Studies*, 53(10), 2023–2040. <https://doi.org/10.1177/0042098015586696>

Turner, J. (1976). *Housing by people*. Marion Boyars.

Vestbro, D. U. (2010). *Living together-Cohousing Ideas and Realities Around the World*. Proceedings from the International Collaborative Housing Conference in Stockholm.

Vidal, L. (2018). The politics of creditor–debtor relations and mortgage payment strikes: The case of the Uruguayan Federation of Mutual-Aid Housing Cooperatives. *Environment and Planning A: Economy and Space*, 50(6), 1189–1208. <https://doi.org/10.1177/0308518X18775107>

**Keywords:** agency, built environment, case study, socio-spatial process

**Tzika, Z., Sentieri, C., & Martinez, A. (2023). *Towards collective forms of dwelling: Analysis of the characteristics of the emerging grant-of-use housing cooperatives in Catalonia*. *Revista de Arquitectura*.**

**Abstract:** The grant-of-use cooperative housing model that has emerged in Catalonia since 2015, has received interest as an alternative form of housing, originating from grassroots initiatives and placing the emphasis on community. Cooperative housing appears during periods when prevailing housing markets fail to provide adequate solutions. Groups are engaging in self-organisation, and collective decision-making, to assess their needs, negotiate resources, and co-create alternative housing options. While affordable housing access remains a core objective, cooperative housing goes beyond that, challenging individualistic living norms and emphasizing community relationships. This article examines the current state of cooperative housing in Catalonia, and explores its characteristics, through a comparative analysis of the existing cases, using graphs with the data from the Observatory of Cooperative Housing of Catalonia. The analysed attributes are categorised into five main areas: location, constitutive characteristics, the process of participation, economic characteristics, and communal living. Based on the analysis, it is observed that Catalonia's cooperative housing model has been evolving towards greater diversity, offering new possibilities for dwelling and fostering community-oriented housing. This evolution is evident in both the spatial characteristics of the houses and their social organisation. However, despite efforts from the cooperative housing groups and non-profit organisations in the sector to address challenges related to inclusion, long consolidation processes and financial barriers, there is still room for improvement.

References:



Asara, V. (2019). The Redefinition and Co-Production of Public Services by Urban Movements. The Can Batlló Social Innovation in Barcelona. *PARTECIPAZIONE E CONFLITTO*, 12(2), 539–565.

<https://doi.org/10.1285/I20356609V12I2P539>

Avilla-Royo, R., Jacoby, S., & Bilbao, I. (2021). The building as a home: Housing cooperatives in Barcelona. *Buildings*, 11(4). <https://doi.org/10.3390/BUILDINGS11040137>

Brysch, S. (2018). Designing and building housing together: The Spanish case of La Borda. Paper for the International Conference European Network for Housing Research (ENHR): ‘More Together, More Apart: Migration, Densification, Segregation.’

Cabré, E., & Andrés, A. (2018). La Borda: a case study on the implementation of cooperative housing in Catalonia. *International Journal of Housing Policy*, 18(3), 412–432.

<https://doi.org/10.1080/19491247.2017.1331591>

City Council of Barcelona. (2021). El cohabitatge, un canvi de model Una alternativa al model d'habitatge actual. <https://www.habitatge.barcelona/ca/acces-a-habitatge/cohabitatge>

City Council of Barcelona, FCHC, Cohabitac, & XES. (2020). Conveni ESAL.

<https://habitatge.social/barcelona/conveni/sobre-el-conveni/>

Cutts, A., & Moser, S. (2015). State-community collaborative strategies to enable the right to the city in Argentina. *Habitat International*, 49, 243–250. <https://doi.org/10.1016/J.HABITATINT.2015.05.032>

Ehlenz, M. M. (2018). Making Home More Affordable: Community Land Trusts Adopting Cooperative Ownership Models to Expand Affordable Housing. *Journal of Community Practice*, 26(3), 283–307.

<https://doi.org/10.1080/10705422.2018.1477082>

Etxezarreta, A., Cano, G., & Merino, S. (2018). Housing cooperatives on “assignment of use”: Emerging experiences in Spain. *CIRIEC-España Revista de Economía Pública, Social y Cooperativa*, 92, 61–86.

<https://doi.org/10.7203/CIRIEC-E.92.9266>

Fernández, A., & Miró, I. (2016). L' economia social i solidària a Barcelona.

Ferreri, M., & Vidal, L. (2021). Public-cooperative policy mechanisms for housing commons. *International Journal of Housing Policy*. <https://doi.org/10.1080/19491247.2021.1877888>

García-Lamarca, M. (2017). From Occupying Plazas to Recuperating Housing: Insurgent Practices in Spain. *International Journal of Urban and Regional Research*, 41(1), 37–53. <https://doi.org/10.1111/1468-2427.12386>

Girbés-Peco, S., Foraster, M. J., Mara, L. C., & Morlà-Folch, T. (2020). The role of the democratic organization in the La Borda housing cooperative in Spain. *Habitat International*, 102.

<https://doi.org/10.1016/J.HABITATINT.2020.102208>

Hoekstra, J., Saizarbitoria, I. H., & Etxarri, A. E. (2010). Recent changes in Spanish housing policies: Subsidized owner-occupancy dwellings as a new tenure sector? *Journal of Housing and the Built Environment*, 25(1), 125–138. <https://doi.org/10.1007/s10901-009-9169-6>

Jarvis, H. (2015). Community-led Housing and “Slow” Opposition to Corporate Development: Citizen Participation as Common Ground? *Geography Compass*, 9, 202–213.

<https://doi.org/10.1111/gec3.12206>

Jupp, E., Bowlby, S., Franklin, J., & Hall, S. M. (2019). *Housing, Gender and Care in Times of Crisis* (1st ed.). Bristol University Press. <https://doi.org/10.2307/j.ctvjghvp4>

Leyva del Río, S. (2022). Conceptualising the commons as a relational triad: Lessons from the grant of use cooperative housing model in Barcelona. *Geoforum*, 136, 112–121.

<https://doi.org/10.1016/j.geoforum.2022.09.007>

Mendoza Ayala, H. (2019). Exclusion of the housing market in Barcelona: effects on the vital trajectories of middle-class people. *Perifèria. Revista d'investigació i Formació En Antropologia*, 24(2), 36.

<https://doi.org/10.5565/rev/periferia.697>

Michellini, J. J., Ugartamendía, M. R., & Vértiz, F. (2021). Pensar y producir otra ciudad: panorámica actual de las cooperativas de vivienda en cesión de uso en el Estado español. *Quid* 16, 100–123.

Miralles Buil, D. (2019). Housing Cooperatives In Barcelona, Between The Commons And Social Production Of Habitat: A Step Towards Housing Communalization In Barcelona? *ACME: An International Journal for Critical Geographies*, 19(3), 665–683.

Power, E. R., & Mee, K. J. (2019). Housing: an infrastructure of care. *Housing Studies*, 35(3), 484–505.

<https://doi.org/10.1080/02673037.2019.1612038>

Sala, E. (2018). Housing crisis, social movements and empowerment: A systematic literature review. *Documents d'Anàlisi Geogràfica*, 64(1), 99–126. <https://doi.org/10.5565/rev/dag.379>

Thörn, H., Larsen, H. G., Wasshede, C., & Hagbert, P. (2020). *Contemporary Co-housing in Europe: Towards Sustainable Cities?* Routledge.

Turmo, R. (2004). *Andel: el model escandinau d'accés a l'habitatge.*

<https://fundaciobofill.cat/publicacions/andel-el-model-escandinau-dacces-lhabitatge>

Vestbro, D. U. (2010). *Living together-Cohousing Ideas and Realities Around the World.* Proceedings from the International Collaborative Housing Conference in Stockholm.

**Keywords:** affordable housing, collective housing, communal living, community, participation

**Verrier, C. (2023, March). *Making sense of a new national context in comparative housing: personal and systemic reflections of a researcher's journey in France.* In Diaconu, A. (Ed.) *Proceedings of the RE-DWELL Grenoble Conference (pp. 23-25).* Pacte Social Sciences Research Centre, University Grenoble Alpes, Grenoble, France. DOI**

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**Abstract:** Considering the complex meshing behind housing systems, the fact that housing policies are highly contextual is nothing ground-breaking. Variegated political and institutional pathways, economic conditions, the state of the housing stock, or simply socio-culturally constructed housing aspirations each singularly shape the ways housing systems function so as to—in an ideal world—provide decent homes for all. This complexity leads to a particular set of challenges for comparative housing researchers.

For example, anyone discussing 'social housing' across national boundaries needs to account for the wide variations in the meaning of the term, which may refer to very different objects in different countries (Scanlon et al., 2014). It could refer solely to publicly owned units offered as a last resort option for the most vulnerable (like in the United States), while it may also refer to a broad tenure type geared at a range of household types by a wide variety of actors, whether public, not for profit or collective (such as in Sweden or Singapore). In fact, even the previous sentences are oversimplifications, as only a—relatively—lengthy discussion of national specificities of different cases studied allows to create a space for comparison and differentiation (Haffner et al., 2009). In fact, defining and building understandings are a central piece of most comparative housing literature publications.

Yet, this relatively well acknowledged difficulty hides a wider conceptual issue; the words underpinning these definitions and differentiations tend to prevent leading researchers from making full sense of the various logics, institutions and actor behaviours operating within a specific housing system. In fact,

where the literature is quite explicit on the multiple variations across contexts and what they mean for comparative work. Indeed, there is little interest given to the actual learning process, how individual researchers acquire the knowledge necessary to carry research on housing, whether at home or abroad. Ultimately, this poses a challenge for comparative work, specifically: how can one effectively understand the national specificities of an ‘external’ housing system to an extent that would result in meaningful comparative work.

Stemming as a reflection on van Heur’s (2020) call to better integrate personal histories and the role of researchers positionality in affecting the knowledge they produce, this contribution will reflect both the personal and systemic aspects involved in the process of “learning” a new housing system. Especially when it comes to carrying comparative work involving policies, institutions, and actors.

The presentation will be articulated around the personal experience of the author in “learning” the French and Dutch housing system, as well as a comparison of the syllabus of housing courses from different universities in France, the Netherlands, Canada and Austria. Ultimately, it aims to underline in which ways the intersection between the initial perspective of the researcher as well as the specific idiosyncrasies of the researched system can allow to open new avenues. Similarly, it will also underline the difficulties involved in the process as well as possible shortcomings that can lead to issues, from cultural *faux pas* to incorrect inferences. Ultimately, this contribution aims to encourage housing researchers to reflect on the impact of their own frame of reference when engaging in comparative work.

References:

Haffner, M., Hoekstra, J., Oxley, M., & van der Heijden, H. (2009). Bridging the gap between social and market rented housing in six European countries? *Housing and Urban Policy Studies* (Vol. 33). IOS Press.

Scanlon, K., Whitehead, C., & Fernández Arrigoita, M. (2014). Introduction. In K. Scanlon, C. Whitehead, & M. Fernandez Arrigoita (Eds.), *Social Housing in Europe* (pp.1–20). Wiley & Sons.

Van Heur, B. (2020). Urban geography as if urban knowledge matters. *Urban Geography*, 41(5), 694–702.

Wolff, P., & Holmes, K.J. (2011). Linguistic relativity. *Wiley Interdisciplinary Reviews: Cognitive Science*, 2(3), 253-265.

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