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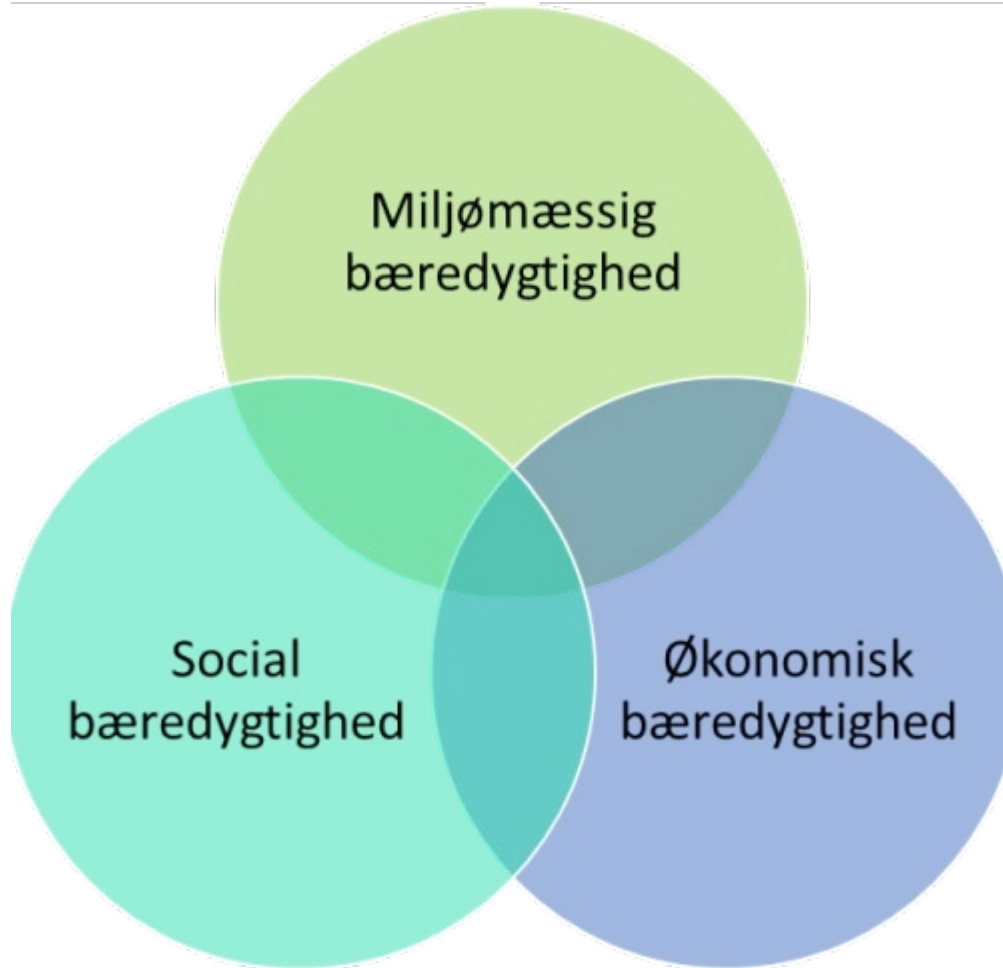
Three pillars of sustainability: in search of conceptual origins

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Received: 1 December 2017 / Accepted: 23 August 2018 / Published online: 3 September 2018
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“Nowhere have we found a theoretically rigorous description of the three pillars.”

“The absence of such a theoretically solid conception frustrates approaches towards a theoretically rigorous operationalisation of ‘sustainability’.”



COMPARISON OF SOCIAL QUALITY CRITERIA IN BUILDING SUSTAINABILITY CERTIFICATION SYSTEMS



LCM 2023

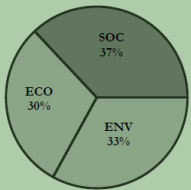
THE 11TH INTERNATIONAL CONFERENCE ON LIFE CYCLE MANAGEMENT

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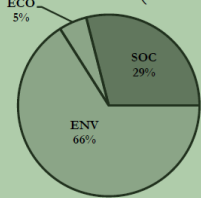
Method

Deconstruction of the criteria grouping of four major building certification systems. Identification of similarities and differences between criteria. Regrouping of the criteria based on whether the criteria 1) is focused on social quality as perceived by building users, and 2) can be impacted by the building design team.

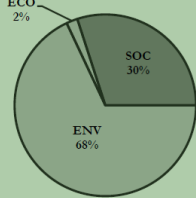
DGNB (DK)



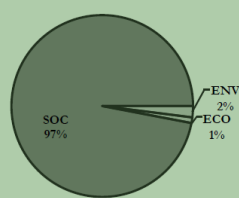
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Conclusion

The social-oriented qualities addressed in the four certification systems can be regrouped into the following common categories:

- Thermal comfort
- Indoor air quality
- Acoustics
- Daylight and electric light
- Human health
- Miscellaneous

The criteria of the four certification systems are thus, to a wide extent, similar both in terms of social qualities that are addressed and how these qualities are evaluated; however, benchmarks for evaluation are adapted to local conditions. Therefore, the difference of the systems is not due to the inclusion of more or less social-oriented criteria but merely the weighting hereof.



Journal of Building Engineering

Volume 91, 15 August 2024, 109530



A critical comparison of concepts and approaches to social sustainability in the construction industry

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NYE TILGANGE

Social commissioning: a relational approach to social value creation in the built environment

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Table 1: analytical distinction between the different versions of buildings and social commissioning

<p>Building-as-project</p> <p>The framing of buildings in the design process</p> <p>The building seen from a professional or project perspective, as following a pre-defined linear process structured by time, budget, and clear project goals</p> <p>Dominated by professional actors: architects, engineers, contractors, clients.</p>	<p>Building-as-lived-space</p> <p>The experience and enactment of buildings by inhabitants through sociomaterial practices of everyday life as it unfolds alongside these built structures.</p> <p>It sometimes co-exist with building-as-project, and sometimes completely separate from it.</p> <p>It is characterized by different logics and different temporalities - Emergent and often black boxed as a frame for everyday life</p>
<p>Building-as-entity</p> <p>The traditional way of viewing buildings in building research and evaluation, as static objects with a defined set of attributes that can be measured (in numeric values)</p> <p>Understood in isolation</p>	<p>Building-as-relational-performance</p> <p>Mainly an analytical category – that in practice bears similarities to the empirical concept of building as lived space</p> <p>Understood in context</p>
<p>Social-commissioning-as-a-service</p> <p>Concerned with qualifying the relationship between people and environments to support social value creation</p> <p>Sees social value creation as relational and contextually contingent, an ongoing negotiation that needs to be supported throughout the building life cycle From early design (Effekt Kompas) to lived space (POE)</p>	<p>Social-commissioning-as-a-project</p> <p>A particular research approach interested in exploring articulations and enactments of social value creation in the built environment</p> <p>Explores different framings of these phenomena in practice and experiments with ways of navigating these complex spaces (to support sustainable change)</p>

ANNAS PHD PROJEKT

Udvikling af et bæredygtighedskatalog, der tager udgangspunkt i sociale intentioner:

- Hvad er de sociale intentioner med et designtiltag?
- Er der evidens for at tiltagets intention realiseres – eller er der tale om en hypotese?
- Hvad er den miljømæssige konsekvens af tiltaget?
- Hvad er den økonomiske konsekvens af tiltaget?

The image shows two hand-drawn sketches of a document layout. The left sketch is titled 'Table of Contents' and features a table with columns for 'Project', 'Activity', 'Intent', 'Env', 'Eco', and 'Soc'. The 'Env', 'Eco', and 'Soc' columns contain colored shading (green, pink, and yellow respectively) in the first three rows. The right sketch is titled 'Social intention 1' and shows a layout with sections for 'Social intention', 'Activity', 'Illustration', and 'Summarization'. The 'Social intention' section is divided into 'Environment', 'Economic', and 'Experience' sub-sections. At the bottom of the right sketch is a small table with columns for 'Project', 'Activity', 'Intent', 'Env', 'Eco', and 'Soc', with colored shading in the 'Env', 'Eco', and 'Soc' columns.



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