

Lean Product Development and Sustainability: A Systematic Literature Review

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Abstract : Whereas lean product development aims at maximising customer value whilst optimising product and process design, the question arises whether this approach includes sustainability. A systematic literature review reveals that methods associated with this conceptualisation of product development are suitable for including sustainability, but that the criteria for the triple-bottom line need to be included when using these methods; this is particularly the case for social aspects. Thus, the main finding is that not new methods should be developed, but that existing methods should be more inclusive towards all aspects of sustainability and product life-cycle thinking.

Keywords : lean product development, product life-cycle, sustainability, systematic literature review, triple bottom-line

Conference Title : ICPDPDM 2020 : International Conference on Product Development Process and Design Methodologies

Conference Location : Tokyo, Japan

Conference Dates : May 28-29, 2020