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Approaches for Hybrid Scaling of Agile in the IT Industry: A Systematic Literature Review and Research Agenda.

Authors

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Approaches for Hybrid Scaling of Agile in the IT Industry: A Systematic Literature Review and Research Agenda.

Published in: Information (2078-2489), Oct2024, Academic Search Ultimate

By: Almeida, Fernando; Bálint, Blaskovics

Agile methodologies, initially designed for the project level, face challenges when applied at enterprise levels where complex projects and diverse stakeholders are involved. To meet this challenge, several large-scale agile methodologies have been proposed. However, these approaches are not flexible enough or tailored to the needs of organizations, projects, and their teams. It is in this context that hybrid methodologies have emerged. This study aims to conduct a systematic literature review to trace the evolution of hybrid scaling of agile and characterize different approaches to implement it. This study starts by assessing 1509 studies through the use of the PRISMA 2020 framework and identifies 38 relevant studies in this field. The findings indicate that the majority of studies are from 2021 onwards and that qualitative methodologies supported by case studies predominate, making it possible to characterize tailoring processes in these organizations. Moreover, the implementation of hybrid scaling of agile is supported by the paradigm of ambidextrous strategy, a combination of agile with traditional project management methodologies, and continuous improvements. This study contributes insights into navigating the complexities of agile scaling, offering practical guidance for organizations seeking to optimize their project management practices.

Keywords: large-scale agile; hybrid approaches; project management; software engineering;

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