CONTRIBUTIONS OF THE “CARRO PIPA” OPERATION TO THE SUSTAINABLE DEVELOPMENT GOALS – A PROCESS APPROACH

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Purpose: Recent estimates indicate that approximately 55 million people worldwide are affected annually by drought disasters, and 700 million are at risk of being displaced by the end of 2030. In Brazil, “Carro Pipa” Operation is performed by Brazilian militaries and has distributed drinking water to municipalities in the north of Minas Gerais and Espírito Santo and the Northeast region affected by drought since 1998. This service is directly linked to some Sustainable Development Goals (SDGs), particularly the sixth, Drinking Water and Sanitation, which seeks to ensure the availability and sustainable management of drinking water and sanitation for all. Recent research has discussed the value of co-creating process models to improve the service of “Carro Pipa” Operation. In this sense, the present study aims to analyze the relationship between the process model of “Carro Pipa” Operation with the SDGs.

Research Approach: This study applies the case study methodology and adopts the pattern-matching technique to analyze the relationship between the process models of “Carro Pipa” Operation and the SDGs.

Findings and Originality: The main findings detail the relationship between the activities of the “Carro Pipa” Operation and the SDGs. In addition, this research briefly discusses why the operation does not cover some SDGs. In addition, it is possible to identify the fragility of the Northeast region of Brazil concerning the goal of achieving the SDGs.

Research Impact: This research contributes to identify the relationship between the “Carro Pipa” Operation and the SDGs, which allows the indication of points for improvement that can be incorporated into the main activities.

Practical Impact: As a case study of a real operation, this research presents practical impacts for organizations working with humanitarian and disaster operations, especially in the operation analyzed. In this sense, the results help to identify points for improvement related to the sustainability of activities.

Keywords: Sustainable Development Goal, Case Study, Business Process Management
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