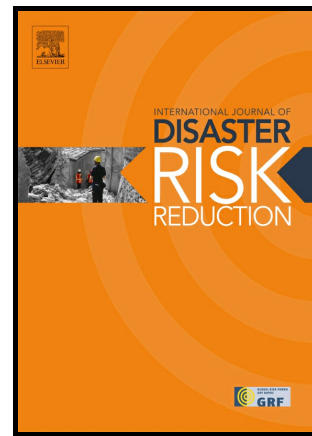


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A systematic literature review

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Managing airports in non-aviation related disasters: A systematic literature review

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Abstract

The purpose of this review is to present the literature base of airport disaster management (ADM) for non-aviation related events. This study systematically reviews the recent literature to report ADM efforts, identify gaps for future research and determine related research questions to be addressed. In this study, Systematic Literature Review (SLR) approach proposed by Denyer and Tranfield (2009) was used. Transparency, audibility and replicability are the main objectives of this SLR. The studies which were published within the period 2007 and 2017 were reviewed. The papers were screened in the academic databases such as Wiley, Emeraldinsight, ScienceDirect, SpringerLink, Google scholar and Taylor & Francis. However, papers which are related to the research aim were only found in Emeraldinsight, ScienceDirect, SpringerLink and Google Scholar. Twenty-three papers were analyzed including peer reviewed articles and theses. As a result of the review, it was determined that the previous studies mainly focused on five research topics such as stakeholder collaboration, scheduling problems, medical preparedness, infrastructure planning and corporate social responsibility. The study is considered as original in the sense that it is the first systematic research that investigates disaster management for non-aviation related conditions in airport setting.

Keywords: Airport, Disaster management, Non-aviation disasters, Systematic literature review

1. Introduction

Since the beginning of the third millennium the number, frequency and scale of disasters have significantly increased. While the number of natural disasters which took place between 1900 and 1909 was 73, this number increased to 2,788 within the period of 2000-2005 [1]. According to the Centre for Research on the Epidemiology of Disasters (CRED), 8,733 people died, and 569.4 million people were affected in 342 natural disasters in 2016. The approximate economic damages caused by natural disasters was USD 154 billion [2]. The investigation of another highly respected

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