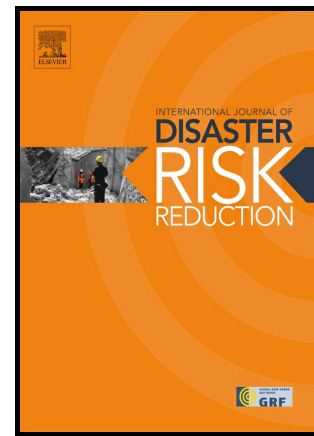


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MEASURING THE PROGRESS OF A RECOVERY PROCESS AFTER AN EARTHQUAKE: THE CASE OF L'AQUILA, ITALY

Diana Contreras^{a*}, Giuseppe Forino^{b1}, Thomas Blaschke^{c2}

^aDiana María Contreras Mojica, Global Earthquake Model (GEM) Foundation, Via Ferrata 1, 27100 Pavia, Italy

^bUniversity of Newcastle (UON), Newcastle Australia

^cDepartment of Geoinformatics - Z_GIS, University of Salzburg, Schillerstrasse 30, 5020 Salzburg, Austria (Europe)

diana.contreras@globalearthquakemodel.org

giuseppe.forino@newcastle.edu.au

thomas.blaschke@sbg.ac.at

***Corresponding author. Tel.:+39 (0) 38 25169898; Mobile:+39 (0) 3464732568.**

Abstract

After the earthquake in 2009, L'Aquila (Italy) began a recovery process characterized by a delay in the reconstruction of the city center. Between 2010 and 2014 a recovery index was formulated based on spatial indicators, such as building condition and building use, to measure the progress of the recovery process in L'Aquila. Eight years after the earthquake, the work presented in this paper was used to update the recovery index, not only by measuring the progress of the recovery in L'Aquila but also by validating the usefulness of the proposed recovery index. To achieve this objective, the current research considered the same set of spatial indicators that were used to determine the progress of the recovery in L'Aquila by 2010, 2012, and 2014 in the reevaluation of the expert criteria. It was found that in 2016 the number of reconstructed buildings and buildings under ongoing construction had significantly increased and the number of buildings with residential and commercial use had increased along the main roads. While progress was observed

¹ Tel.: + 61 (02) 4921 5771/+39 (0) 38 25169898.

² Tel.: +43 (0) 662 / 8044 – 7525; Mobile:+43(0) 6648251301

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