

# Consequence assessment in earthquake risk management

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## Abstract

The present presentation reports on the methodical developments in regard to the modeling and assessment of consequences due to earthquakes. The first aim of the research project was to develop the generic theoretical decision framework for the consistent quantitative and rational management of earthquake risks in three situations, namely before, during and after an earthquake. Then the available data from the Bam earthquake is classified in such a way that it can be fed into the framework. Finally, the relationships between the structural damage and the consequences, namely the costs, in sample buildings have been studied.

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