Bachelor Thesis/Studienarbeit

Residential Flood Structural Measures: Effectiveness, Protection level, Lifespan, and Costs

Introduction:

Flooding happens anywhere and at any time with a high amount of damage even at the residential level. Hence, it is important for residents of flood-prone areas to be prepared and to take appropriate mitigation measures beforehand to protect their house and properties and avoid costly flood damage. There are a variety of flood mitigation options for homeowners differing in their feasibility, effectiveness, protection level, lifespans, and investment cost. Such features of measures play crucial roles in residents’ decision-making to cope with flood in order to reduce the potential flood losses. Therefore, it is essential for residents to be aware of these characteristics and possibilities to choose among them. The aim of this study is to firstly categorize structural measures that residents of flood-prone areas can take and, secondly make a comparison in terms of the above-mentioned characteristics of measures.

Begin:
The work can be started at the next possible time.

Language:
English

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