Value based building renovation - A tool for decision-making and evaluation

Research on the barriers for building renovation in Denmark has revealed that an important obstacle is a lack of simple and holistic tools that can assist stakeholders in prioritisation and decision-making during the early stages of building renovation projects. The purpose of this article is to present a tool - RENO-EVALUE, which can be used as decision support for sustainable renovation projects, and for evaluation, during and after building renovations. The tool is a result from the European Eracobuild project ACES - "A concept for promotion of sustainable retrofitting and renovation in early stages". This article presents the main result of a work package concerning benefits of renovation. RENO-EVALUE has been developed from four case studies on renovation projects in Denmark, tested and validated on the cases and in a Delphi study. The tool is value based by focusing on the different interests and values of the main stakeholders involved in building renovation. It is meant as a basis for dialogue among building professionals and building users and supports formulation of objectives for renovation projects. RENO-EVALUE can also be used for comparing alternative project proposals and to follow-up on a project and assess the results. The tool covers the four main parameters: Stakeholders, Environment, Organisation, and Economy. The evaluations are collected from different stakeholders by use of standardised information and interview templates. The test results of one case study of a social housing estate are presented.

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