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Thus, this study proposes a participatory decision support system towards the transformation of areas under disaster risk in Turkey. This system includes many different actors such as residents, specialist for data collecting, local government members, Ministry's members, NGOs, design and technical team, construction firms. Accordingly, effective organization and communication atmosphere is needed so that these actors can coordinate and work in a planned way. Important actions such as data collection and share, data visualization, process management, communication amongst actors can be realized by developing a tool in accordance with information technologies.

Proposed decision support system has some basic components such as urban transformation area announcement platform, data collection, data visualization, decision making. It is possible to create an urban transformation process which considers natural and cultural values of areas and enable stakeholder involvement by putting into practice this system. The components of the system should be developed as mobile application, internet platform by using information technologies. In addition, this system should be implemented and tested on a pilot area which is under disaster risk and it should be revised in accordance with feedbacks from pilot study.

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