**Negev pulse: directing emergency services to unrecognized villages**

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The provision of emergency services in unrecognized villages within the Negev is hindered by the absence of formal infrastructure, standardized addresses, and official cartographic data. This project consisted of two phases: (1) a field survey, based on the ESRI platform, aimed at eliciting residents’ spatial perceptions of navigation to unrecognized villages, and (2) the development of a mobile application designed to collect information from residents. The system integrates geographic information systems (GISs) with real-time, crowdsourced data, emphasizing local knowledge and community-identified landmarks to enhance routing accuracy. Developed using JavaScript, React, and Node.js in a Windows environment with Leapfloat GIS, the application leverages community input to support effective navigation and naming of hidden locations, thereby improving access to unrecognized villages.

Keywords: emergency services, geographic information systems (gis), landmarks, navigation, unrecognized villages