

Mountain Disaster Risk Management during Emergency Avoidance Process in Countryside Resort Area of Western China

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Emergency avoidance, which influences the severity of casualties, is one of the most important mountain disaster mitigation measures in earthquake prone regions. Countryside resort area is highly populated with tourists whose conscious and behaviors against mountain hazards are unpredictable, which has increased the difficulty in organizing and managing the emergency avoidance. Therefore, this study focuses on this issue and concentrates on mountain disaster risk management during the emergency avoidance process in countryside resort area. Based on recent mountain disaster events and semi-structured questionnaires and field measurement methods of PGIS, the whole process of emergency avoidance and the potential risks were identified, and the great roles in emergency avoidance process of farmhouse owners and the monitoring personnel were found. The evacuation model led by monitoring personnel was summarized and feasible measures to reduce loss of mountain disasters were proposed. The results of this study will improve mountain disaster risk management during emergency avoidance process and provide scientific supports for hazard prevention and mitigation earthquake prone regions.

Key words: mountain disasters; emergency avoidance; risk management; countryside resort area