

Building a landslide warning system

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Abstract: In the context of increasing landslides causing severe damage to people and property, this project aims to build an early warning system for landslides based on integrating machine learning methods with geological data. The research process is carried out through theoretical analysis and practical application deployment in high-risk areas. The expected outcome of this project is to provide the community with a powerful tool for predicting and warning of landslides, contributing to risk reduction and ensuring the safety of local residents.

Keywords: landslide, warning system, machine learning, geological data, risk management