

Infrastructure Vulnerability to Slope Instabilities and Floods in Phuentsholing, Pasakha, and Gelephug (Bhutan)

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Introduction

In Bhutan, more than 70% of the population and infrastructures are located along the main river basins, making them particularly exposed to floods and landslides caused by more frequent extreme weather events. Geoneon, in partnership with Terranum, the Department of Disaster Management, and the Department of Roads in Bhutan, is implementing a solution to assess the vulnerability of infrastructures to slope instabilities and floods in Bhutan to support the development of strategies for disaster risk reduction and climate change adaptation.

The aim is to identify hot spots where critical infrastructures are the most vulnerable to climatic disaster, so to support decision-makers to develop appropriate mitigation and monitoring measures to reduce the number of affected people, direct economic loss, damage to critical infrastructure, and disruption of critical services to the community.

