
MAG022-13

Room: IC

Time: May 28 13:45-14:00

Study on Glacial Lake Outburst Floods

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Glacial Lake Outburst Flood (GLOF) is a major hazard concern faced by mountain communities in the Himalayas. Since 2009 this research has started as a three years project to evaluate GLOFs' hazard level in Bhutan for mitigation. Its primary focus is on Mangde Chu Valley, for which the GLOF hazard level is believed to be high but yet information for mitigation is lacking. On the basis of satellite data analysis and field survey, we will complete a flood hazard map for the region and provide information necessary for the construction of an early warning system. Throughout the project it is strongly emphasized that technology on GLOF hazard mitigation is transferred to local organizations.

Keywords: Glacier, Glacial Lake, Glacial Lake Outburst Flood