

Landslide activity in Norway due to intense rainfall and snow melt

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Recent years have shown new developments in landslide activity in Norway. Areas previously known for relatively little landslide activity have proven to be potentially active, given the appropriate climatic conditions. Particularly inland climate, normally dry, are vulnerable to heavy rainfall, and repeated and violent events have occurred as the result of rainfall with extreme short- and long-term values. In addition to this, areas, already known for high landslide activity, have become more active with landslides occurring at new locations.

Examples of events and background will be presented in more detail. A discussion on strategies to mitigate the consequences of such events will also be given, including plans for pilot projects involving monitoring of slopes and landslides along railway and road infrastructure. This contribution is part of the research-based innovation centre Klima 2050 (www.klima2050.no).

