



**DANGER PATTERNS (DP):** [dp.6 - loose snow and wind](#) [dp.8 - surface hoar blanketed with snow](#) [dp.1 - deep persistent weak layer](#)

## Avalanche danger in western regions rising to high today

### AVALANCHE DANGER

This morning in western regions of Tirol, danger is generally considerable; in the other regions danger is considerable above the treeline, moderate below the treeline. More snowfall including gale-strength winds will increase danger levels in general. In the Silvretta-Samnaun, Arlberg-Ausserfern regions and parts of the western sector of the Northern Alps the danger level HIGH (4) could be reached. Particularly at the onset of the cold front moving in when rainfall up to intermediate altitudes is still possible, naturally triggered avalanches are expected. They will usually fracture in the uppermost layers of the snowpack and reach medium size. In the other regions of Tirol, danger will regionally rise to considerable due to the initial rainfall. Where it rains, small-sized wet-snow sluffs require caution. Unfavourable conditions reign for all backcountry ski sports. The main danger stems from fresh, trigger-sensitive snowdrifts. Poor visibility make assessment on-site difficult. The inexperienced are advised to remain on secured ski runs.

### SNOW LAYERING

Over the last 24 hours there has been snowfall everywhere in Tirol except southern East Tirol. Most of it fell in western regions, 20-30 cm. Today, a cold front follows in its wake. Initially, rainfall up to intermediate altitudes, then the snowfall level will descend. Winds will intensify, reach gale strength. The weak layer for slab avalanches is usually in the cold powder snow which fell yesterday, in isolated cases also the graupel. Elsewhere, weak layers are found in the layers of faceted snow crystals; these are prone to triggering on sunny, very steep slopes at 2800-3200 m and on shady, hardly tracked slopes at 2400-2800 m.

### ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Gloomy, foggy, extremely stormy mountain weather including persistent rainfall. Thus, the snowpack will continue to expand in the mountains. But while it will rain during the morning up to 2000 m, snowfall will hit the mountains this afternoon. Winds will transport the fresh snow. Even in the Carnic Alps, snowfall is anticipated, although significantly less in quantity than on the Main Alpine Ridge. Temperature at 2000 m: -4 to +2 degrees; at 3000 m, -11 to -4 degrees. Gale strength W/NW winds.

### SHORT TERM DEVELOPMENT

Tomorrow's warm front will bring increasingly frequent large-sized naturally triggered avalanches in the regions where snowfall has been heaviest.

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Translated by Jeffrey McCabe