



DANGER PATTERNS (DP): [dp.10 - springtime szenario](#) [dp.2 - gliding snow](#) [dp.6 - loose snow and wind](#)

Daytime rise in danger at low and intermediate altitudes

AVALANCHE DANGER

Avalanche danger depends on the time of day. This morning above 2400 m danger is mostly considerable; below 2400 m danger is moderate. During the day, diffuse solar radiation and rising temperatures will moisten the snowpack to a considerable degree, especially at low and intermediate altitudes. That will increase the danger somewhat, particularly wherever there has been fresh snow during the last 24 hours in extremely steep terrain: naturally triggered moist-snow and loosely packed wet-snow avalanches will be the result. In extremely steep terrain, loosely packed avalanches can also be triggered by freeriders and skiers. The increasingly moist snowpack enhances the triggering of gliding avalanches on steep, grassy slopes. Above 2400 m on W/N/E facing slopes, the recently formed snowdrift accumulations require special caution: most are small and thin, but can often be triggered even by minimum additional loading. The likelihood of triggering increases with ascending altitude.

SNOW LAYERING

The snowpack is becoming increasingly moist, especially at low and intermediate altitudes. The quality of the snow is also deteriorating: frequent melt-freeze crusts, at high altitudes wind-impacted surfaces, at low altitudes the snowpack is often thoroughly wet. Weak layers for slab avalanches are currently found above 2400 m in W/N/E aspects; these are layers of faceted crystals on west and east-facing slopes, usually beneath thin melt-freeze crusts, which above 2600 m can be triggered. In isolated cases the recently deposited graupel also constitutes a weak layer.

ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Tuesday will bring us a mixture of sunshine and cumulus cloud. Visibility around the Inn Valley and northwards will be adequate, some sunshine is likely. This morning in most of North Tirol's mountain ranges it will remain dry, by and large, this afternoon the showers will become more frequent, particularly on the Main Alpine Ridge and further south. Shower cells could erupt nearly anywhere today, they are hard to predict or pinpoint, the snowfall level will fluctuate between 1100 and 1700 m. At 2000 m: -2 degrees; at 3000 m: -10 degrees. Moderate westerly winds, strong-to-stormy on the northern rim of the Alps.

SHORT TERM DEVELOPMENT

The situation is improving.

Patrick Nairz

Translated by Jeffrey McCabe