



DANGER PATTERNS (DP): [dp.4 - cold following warm / warm following cold](#) [dp.6 - loose snow and wind](#)

### Above 2300m, treacherous backcountry situation persists

#### AVALANCHE DANGER

Several avalanches triggered by skiers yesterday confirm how delicate the avalanche situation is. Above 2300m, considerable danger persists; below 2300 m danger is moderate; below the treeline, low. Avalanche prone locations are difficult to pinpoint today, they are diffuse and not easy to recognize even for experienced backcountry tourers. Special caution is imperative on very steep north-facing slopes at 2400-2900m and on east-, south- and west-facing slopes above 3200m. There, slab avalanches can be triggered by minimum additional loading due to the recently formed weak layer. The rising foehn winds will bring about additional snowdrift accumulations, particularly on shady slopes near ridgelines. Proneness to triggering swiftly increases with ascending altitude. In addition, avalanche danger will be subject to a daytime danger cycle as a result of intensifying solar radiation and increasing daytime warmth. On extremely steep, sunny slopes, loosely-packed avalanches will trigger naturally, just like yesterday; on grassy slopes, gliding avalanches are predestined.

#### SNOW LAYERING

The new fallen snow of the last few days has settled and stabilised, but is still prone to triggering, due to layers of faceted-crystal snow and the danger pattern known as Cold-on-Warm (dp 4). This applies particularly to the zones cited above. Foehn winds will intensify over the course of the day, blanketing the fresh fallen powder snow with new drifts, thereby creating new weak layers. We have received reports of surface hoar on some north-facing slopes above 2500m, esp. near ridgelines in shady terrain.

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

Sunday will bring pure sunshine to both sides of the Main Alpine Ridge. Strengthening foehn wind will thrust a few clouds through, convective cloud build-up could impair visibility somewhat. Temperatures continue to rise: at 2000m +3 degrees, at 3000m -1 degree. Mostly moderate to brisk S/SW winds, stormy in the Tux Alps.

#### SHORT TERM DEVELOPMENT

New snowdrift accumulations being brought about by foehn winds

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