



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

## Considerable danger in some foehn-exposed regions of Main Alpine Ridge

### AVALANCHE DANGER

The avalanche danger in the foehn-exposed regions along the Main Alpine Ridge has increased, above 2200 m it is now considerable, beneath that altitude it is moderate. The cause of the heightened peril is the snowdrift which has accumulated since yesterday and in very steep, wind-protected terrain can be triggered even by minimum additional loading. This is especially the case in shady, ridgeline terrain, west and east facing gullies and bowls and on west, east and northeast facing slopes. Within the foehn lanes, all snowdrift in shady treeline zones must be treated with care. Elsewhere the danger of slab avalanches is highest in extremely steep terrain, where large additional loading can cause them to release. This is particularly the case near the treeline and in general in transition areas from shallow to deep snow on west-northwest to north to east-northeast slopes at or above the treeline; above about 2500m in extremely steep terrain of all aspects. In the regions of North Tirol the danger zone is generally moderate, in some northern regions even low. In southern East Tirol, full depth snowslides are still a hazard on steep, grassy slopes.

### SNOW LAYERING

The most prevalent weather element yesterday was wind, once again, particularly in the regions along the Main Alpine Ridge and in the typical foehn lanes a great deal of snow was transported. Fresh snowdrift on west-northwest to north to east-northeast facing slopes frequently was deposited atop a loosely packed old snowpack surface, sometimes interspersed with graupel and surface hoar. The proneness to triggering can be quite high. Old drifted masses, on the other hand, are prone to release only near faceted snowpack zones, but without a tendency towards fracture propagation, keeping avalanches small and usually in places where the snow is shallow.

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

Mountain weather today: strong southerly foehn winds in foehn lanes and on the Patscherkofel in particular, but not reaching storm force. Cloudbanks passing through, impeding visibility somewhat, but remaining above summit level. High fogbanks on the southern flank of the Alps up to over 2000m. Temperature at 2000m: +3 degrees; at 3000m: -4 degrees. Moderate southwesterly winds at high altitude, strong velocity in the foehn lanes.

### SHORT TERM DEVELOPMENT

Rising avalanche danger in southern regions due to foehn storms and snowfall

Patrick Nairz

Translated by Jeffrey McCabe