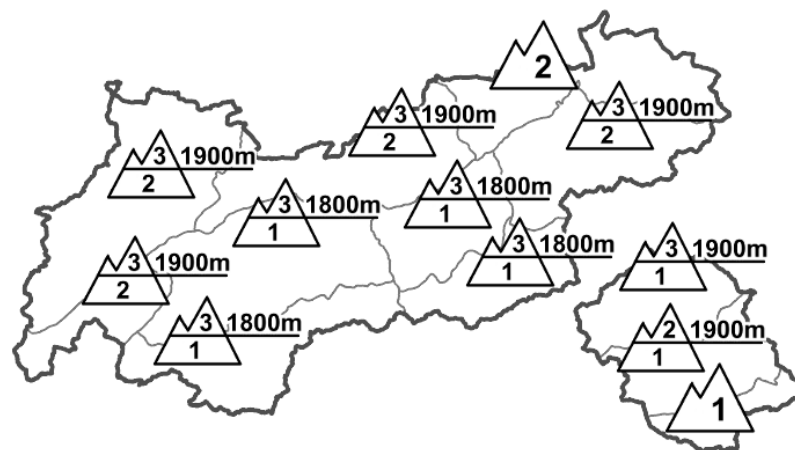





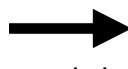




Regional Avalanche Danger Levels in alpine areas from 20.01.2017 07:30 <span style="color: red;">All-Day</span>		WHAT? problem	WHERE? danger spots
		 old snow	 1900m shady slopes
		 drifting snow	 2300m esp. ridgeline terrain
		<b>General Level</b> Tirol 	<b>Tendency</b> tomorrow  constant

DANGER PATTERNS (DP): [dp.1 - deep persistent weak layer](#) [dp.6 - loose snow and wind](#) [dp.2 - gliding snow](#)

## Delicate old-snow problem on shady slopes above 1900m

### AVALANCHE DANGER

Avalanche danger remains dependent on altitude: above 1900m the danger is considerable widespread, below 1900m moderate, in some places low. In southern East Tirol the danger is low. Particularly treacherous are shady slopes above 1900m. Successful artificial triggerings, also some skier-induced avalanches, confirm the high proneness to triggering of ground-level weak layers, particularly up to approximately 3000m. Above that altitude the hardened wind crusts decrease the likelihood of triggering. The old-snow problem requires caution on sunny slopes: west and east facing slopes above 2300m, south-facing slopes above 2600m, are affected. In addition, recently formed snowdrifts at high altitude, particularly near ridgelines, are delicate. And in very steep, grass-covered terrain, caution is essential towards the possibility of gliding avalanches.

### SNOW LAYERING

Deeply embedded inside the snowpack are truly weak layers: faceted-crystal snow encircled by crusts. This applies especially to shady slopes above 1900m, with ascending altitude also in other aspects. The snowpack is most easily triggered in relatively wind-protected shady terrain where the snowpack is shallow; in such places it is likely that even one skier will trigger an avalanche. Somewhat less likely to trigger are slopes where the weak layers have been blanketed by lots of fresher snow and/or if winds have hardened the surface into thick crusts. An additional weak layer lurks in the loosely-packed, cold powder, particularly at high altitudes.

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

Mountain weather today: a perfect mountain day, sunshine all day long, cloudless skies, outstanding visibility, milder than in most of the valleys. Temperature at 2000m: -9 to -4 degrees; at 3000m: -11 to -8 degrees. Moderate to brisk southeasterly winds.

### SHORT TERM DEVELOPMENT

Southerly winds at high altitude will bring about new snow transport. Otherwise, the situation will remain unchanged.

Patrick Nairz

Translated by Jeffrey McCabe