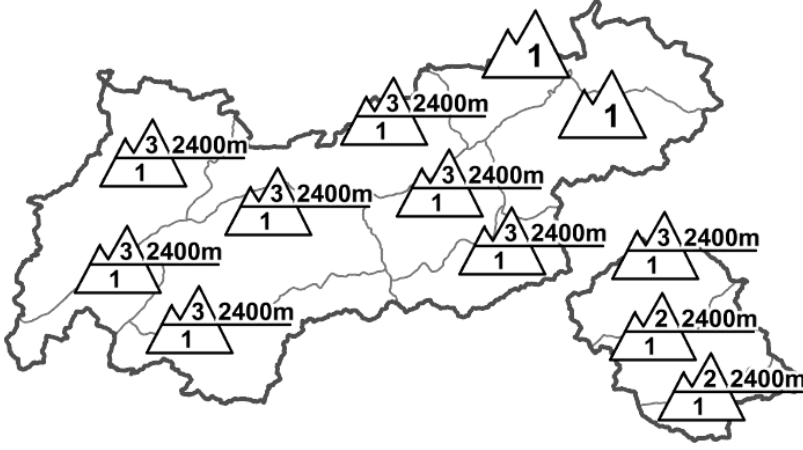












Regional Avalanche Danger Levels in alpine areas from 25.04.2017 07:30 <span style="color: red;">All-Day</span>		WHAT? problem	WHERE? danger spots
		 old snow	 2400m  uppermost layer
		 drifting snow	 3000m  ridgeline terrain
		<b>General Level</b> Tirol 	<b>Tendency</b> tomorrow  constant

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

### Delicate weak snowpack layer at high altitudes: caution!

#### AVALANCHE DANGER

Below 2400m danger is low widespread. Above 2400m danger is generally considerable. Avalanche prone locations for backcountry skiers and freeriders are currently found mostly on north-facing slopes at 2400-2900m and on sunny slopes above 3200m. There, because of the danger pattern COLD ON WARM, a weak layer has formed over the last few days which can be triggered even by minimum additional loading. The spread of danger zones is diffuse, difficult to recognize on-site even by experienced mountaineers. We advise avoiding very steep slopes at the cited altitudes and aspects when in doubt. In the classic foehn lanes and in East Tirol, furthermore, caution is urged towards ridgeline snowdrifts at high altitudes.

#### SNOW LAYERING

What is crucial to the current snowpack layering is the danger pattern: cold-on-warm. Atop a moist old snowpack surface, cold snow was deposited in mid-April. Due to the great temperature disparity, a weak layer slowly formed, composed of faceted snow crystals. Avalanches and analysis have shown a heightened proneness to triggering, especially on north-facing slopes at 2400-2900m, but also on south-facing slopes above 3200m. Due to foehn impact, in addition, loosely-packed powder snow, mixed with graupel, can also be a weak layer for the snowdrifts in high alpine regions.

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

In the Northern Alps it will remain dry all day, foehn-induced, and quite sunny. This afternoon, light conditions will become diffuse and intensive showers are expected to set in, starting in the Lechtal Alps. On the Main Alpine Ridge and in the Southern Alps, cloud cover will increase from the south; this afternoon some rainfall is expected, the snowfall level at 2000. At 2000m: 0 to 5 degrees; at 3000m: -3 degrees. Brisk to strong S/SW winds, stormy in foehn-exposed zones.

#### SHORT TERM DEVELOPMENT

Increasing avalanche danger due to foehn and precipitation

Patrick Nairz

Translated by Jeffrey McCabe