











Regional Avalanche Danger Levels in alpine areas from 18.03.2015 07:30 MORNING		Regional Avalanche Danger Levels in alpine areas from 18.03.2015 07:30 AFTERNOON		Tendency tomorrow  constant
				
WHAT? - problem  persistent weak layer	WHERE? - danger spots  2000m shady slopes	WHAT? - problem  wet snow	WHERE? - danger spots  2400m late morning	General Level Tirol 

DANGER PATTERNS (DP): [dp.1 - deep persistent weak layer](#) [dp.10 - springtime szenario](#)

Daytime rise in avalanche danger!

AVALANCHE DANGER

Avalanche danger in Tirol's backcountry touring regions is increasingly subject to a daytime danger cycle. In the early morning the danger is low, then increases continually to moderate over the course of the day. Above approximately 2000m, fresh, small snowdrift accumulations still threaten. Avalanche prone locations are found mostly in W/N/E facing ridgeline terrain as well as on very steep, shady slopes. At lower and intermediate altitudes the snowpack tends to forfeit its firmness during the course of the day. Thus, as of late morning, naturally triggered moist sluffs and slab avalanches will multiply in number. On steep, grass-covered slopes gliding avalanches are also possible.

SNOW LAYERING

The structuring of the snow cover is increasingly taking on springtime attributes. Following a night of outgoing longwave radiation the snowpack surface in the early morning hours is generally encrusted by a melt-freeze layer which is capable of bearing loads. Loosely packed powder can be found only in high alpine shady terrain where there is no wind impact. During the course of the day the snowpack loses its firmness due to solar radiation and daytime warming. Inside the snowpack, problematic layers occur mostly in inneralpine backcountry touring regions, where particularly in shallow-snow zones near the treeline there are loose, faceted snow crystals interspersed between layers of hardened, embedded crusts.

ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

Weather in general: The Alps are wedged in a weak high pressure front, flanked by a low over Portugal and another low over the Black Sea. Generally pleasant and tranquil conditions are the upshot. Mountain weather today: good conditions, full of sunshine. This afternoon, increased cloud cover, some fogbanks might veil the summits, light snow showers are unlikely yet possible above approximately 1900m in the Northern Alps this evening. Temperature at 2000m, +3 degrees; at 3000m, -5 degrees. Light to moderate northerly winds.

SHORT TERM DEVELOPMENT

Ongoing springlike conditions, including daytime danger cycle

Rudi Mair

Translated by Jeffrey McCabe