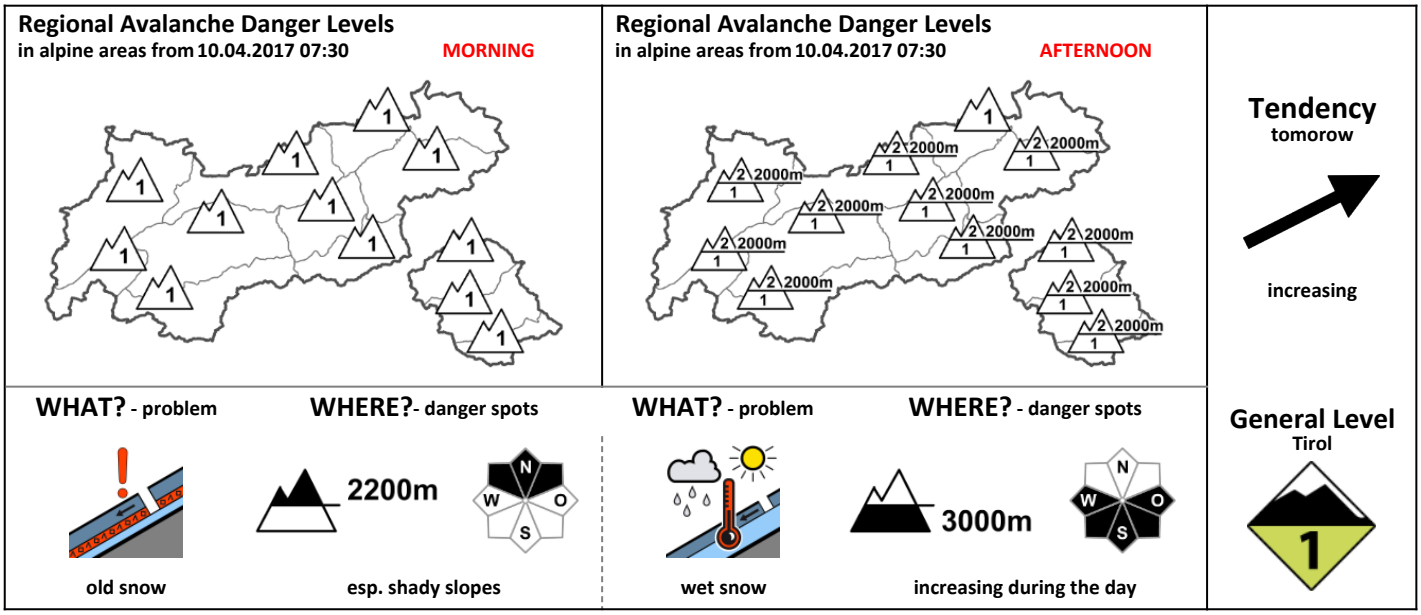
Avalanche Bulletin
of the Avalanche Warning Service Tyrol
Monday, 10.04.2017, at 07:30 Uhr



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

Favourable morning conditions, daytime rise in avalanche danger

AVALANCHE DANGER

Avalanche danger is again subject to a daytime danger cycle. Following a night of clear skies, the snowpack has cooled and stabilised. Danger during the morning is low. As solar radiation intensifies and daytime warming makes itself felt, along with the forecast convective cloud build-up, the snowpack subsequently moistens and loses its firmness. Then danger rises to moderate below 3000m (below 2000m danger it remains low, due to lack of snow). The major peril lies in wet-snow avalanches which can be triggered by the impulse of skiers in extremely steep terrain. In the afternoon when the snowpack is thoroughly wet, the ground-level layers of the snowpack could in isolated cases on sunny slopes at 2700 m (at 2300 m in shady terrain) trigger a slab avalanche.

SNOW LAYERING

In the early morning hours above 2000m the melt-freeze crust is usually capable of bearing loads, it softens then as the day unfolds. In high alpine regions, still some powder snow. The moistening and softening of the snowpack has great impact on the ground-level layers. Once they become thoroughly wet for the first time, a triggering is likely; when this happens repeatedly, the likelihood sinks. Graupel which has been covered on sunny slopes in high alpine regions and in ridgeline terrain also provides a weak layer for potential slab avalanches, but this weak point is bonding increasingly.

ALPINE WEATHER FORECAST (ZAMG-WEATHER SERVICE INNSBRUCK)

The air masses are less stable today, heavy convective cloud build-up is expected this afternoon. Sunshine is anticipated to start with, and mild, the zero-degree level at about 2800m. Local showers or thunderstorms are possible this afternoon, especially along the Northern Alps and in the Dolomites and Carnic Alps. At 2000m: 6 degrees; at 3000m: -2 degrees. Moderate NW winds in high alpine regions, elsewhere winds will be light. Where showers break out, winds can become brisker.

SHORT TERM DEVELOPMENT

Due to a cold front with a small amount of fresh fallen snow, increased loosely-packed avalanches.

Patrick Nairz **Translated by Jeffrey McCabe**