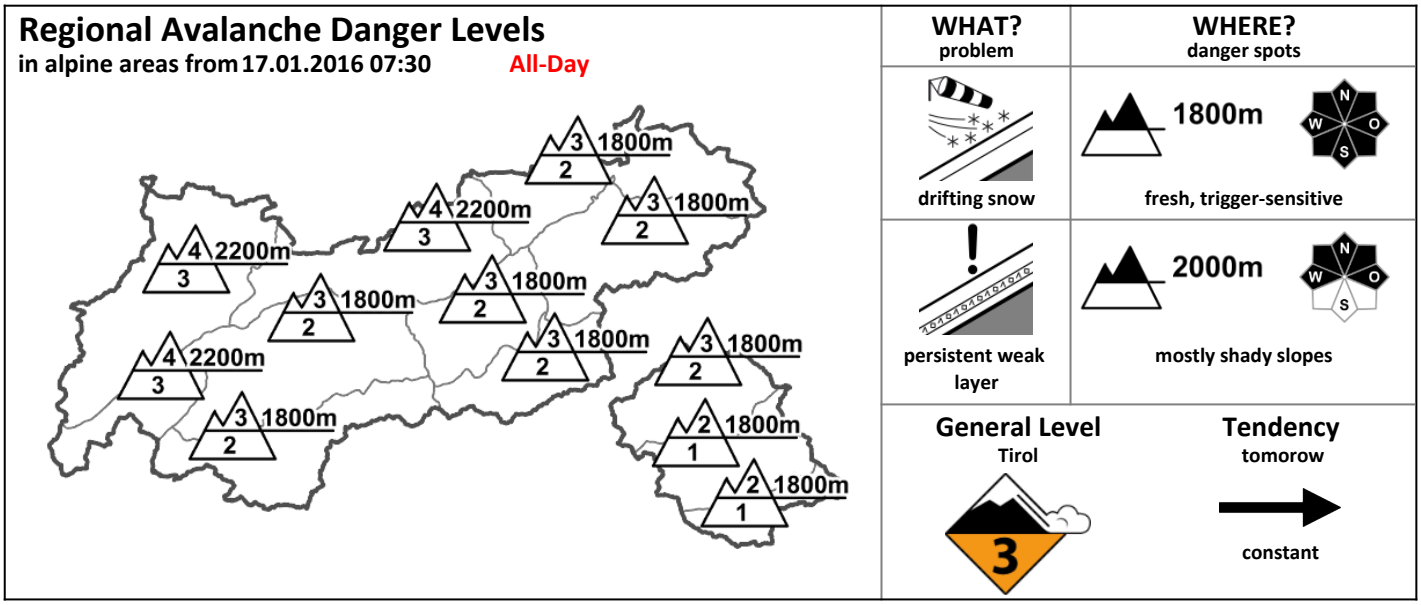
# Avalanche Bulletin
## of the Avalanche Warning Service Tyrol
## Sunday, 17.01.2016, at 07:30 Uhr

Apps




**DANGER PATTERNS (DP):** dp.6 - loose snow and wind dp.1 - deep persistent weak layer dp.7 - snow-poor zones in snow-rich surrounding

## Still treacherous scenario, considerable danger widespread

### AVALANCHE DANGER

The avalanche situation in Tirol's backcountry touring regions remains treacherous. The danger level is considerable widespread, in some northern barrier zones high. The major peril stems from snowdrift accumulations ongoingly being formed anew. They are found above approximately 2000m deposited on top of a trigger-sensitive old snowpack. In addition, these drifts are brittle (due to the low temperatures), making them particularly prone to triggering. Avalanches can still be triggered by minimum additional loading, i.e. the weight of one single person. Danger zones are found on steep slopes in all aspects, in drifted gullies and bowls, and in transitions from deep to shallow snow. In isolated northern barrier zones, avalanches can also be triggered naturally.

### SNOW LAYERING

Over the last 24 hours in the northern barrier zones there has been 20-30 cm of new fallen snow, locally up to 50cm; in inneralpine regions and along the Main Alpine Ridge, 10-15 cm. High altitude NW winds were generally moderate. Due to the low temperatures, the fresh fallen snow is extremely dry and loosely-packed, which led to it being transported once again. New fallen and newly drifted snow blanket an unfavourably structured old snowpack above 2000m. The deeply embedded layers, more than anything else, are faceted, loose and thus, prone to triggering. Attention: high altitude winds are shifting from NW to N, becoming stronger, at high altitude they will be blowing above transport strength all day long.

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

Weather: northern barrier syndrome, arctic air masses still being pushed south towards the Mediterranean. On the northern flank of the Alps, for that reason, snowfall will continue (showers) with northerly foehn winds south of the Main Ridge. On Monday, an intermediate high will visit northern regions as well. Mountain weather today: the mountains of North Tirol will generally be hidden in cloud, snowfall is anticipated which will bring an additional 10-20 cm of snow to the Northern Alps, snow showers in inneralpine regions (with occasional bright intervals), also along the border between East Tirol and South Tirol, where the cloud cover will disperse somewhat at the southern rim (but the price for it will be icy temperatures and strong northerly winds). Temperature at 2000m: -14 degrees; at 3000m, -22 degrees. Strong NW winds, whipping up the new fallen snow.

### SHORT TERM DEVELOPMENT

Unchanged: treacherous avalanche scenario, considerable danger

**Rudi Mair** **Translated by Jeffrey McCabe**