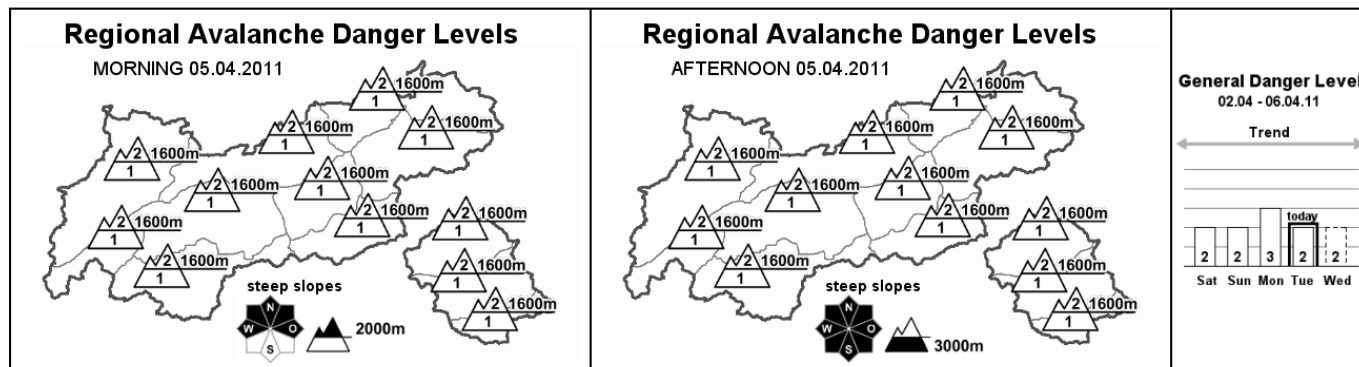


# Avalanche Bulletin

## of the Avalanche Warning Service Tyrol

Tuesday, 05.04.2011, at 07:30



### Loose avalanches on sunny slopes, small snowdrift masses in high alpine regions, daytime cycle

#### AVALANCHE DANGER

Above about 1600 m, moderate danger prevails in general; below that altitude, the danger is low, due to low snow levels. Avalanche prone locations are to be found, on the one hand, in steep, shady high alpine areas adjacent to ridge lines, where small, freshly formed snowdrift masses atop a layer of surface hoar near ridge lines can easily be triggered. Such hazardous zones are usually easy to recognize. On the other hand, the daytime warming cycle will release small, usually dry and loose snow avalanches on very steep, sunny slopes. As of late afternoon, as the snowpack becomes wetter and wetter, these can also grow to larger size. Caution is urged towards the ever-diminishing firmness of the snowpack during the day. Particularly along the Main Alpine Ridge below 2400 m on west to north to east facing slopes as of midday, moist slab avalanches reaching medium size can be easily triggered: initially by large additional loading, later on even by minimum additional loading.

#### SNOW LAYERING

Over the last 24 hours there has been as much as 15 cm of snowfall in Tyrol along the Main Alpine Ridge, although in most places it was only a few centimeters. The new fallen snow is of importance only in high alpine regions, since in those zones, in shady terrain near ridge lines, it was deposited on top of a layer of surface hoar which can serve as a bed surface for slab avalanches. Elsewhere the snowpack was able to consolidate superficially due to the drop in temperature. However, on sunny slopes up to nearly 3000 m, and in general up to 2000 m, the snowpack is moist or wet down to the ground. Old, moist depth hoar can also serve as a bed surface for slab avalanches, especially on west to north to east facing slopes below about 2400 m in the regions along the Main Alpine Ridge.

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

Weather in general: a high pressure system over France is spreading its zone of influence towards the Eastern Alps and will remain the dominant weather factor for the next few days. Mountain weather today: south of the Main Alpine Ridge it will be sunny from the early morning hours onward; on the Main Alpine Ridge and northwards therefrom, the fog will disperse and the light snow flurries east of the Karwendel will be over by noon. Temperatures will rise, the freezing level climb to 2200 m. Temperature at 2000 m: minus 4 to plus 1 degree; at 3000 m: minus 10 to minus 4 degrees. Moderate northwesterly winds.

#### SHORT TERM DEVELOPMENT

Classic springtime conditions, amidst daytime warming cycle of danger

Patrick Nairz

Translated by Jeffrey McCabe