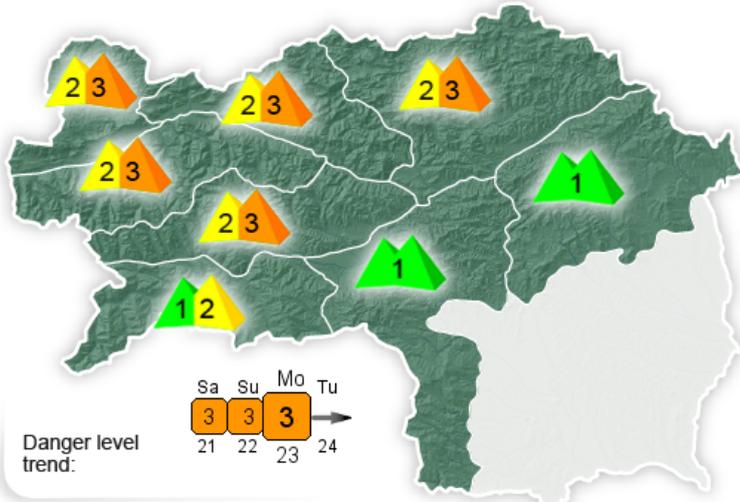




Avalanche Forecast

made by LWD Styria for Monday, 23.04.2018
(published: , 22.04.2018 at 4:18 pm)



R1 Northern barrier region:
 a) Northern Alps, West
 b) Central Sector of Northern Alps
 c) Northern Alps, East
 d) Niedere Tauern, North

R2 Transitional region and Southern massifs:
 e) Niedere Tauern, South
 f) Styrian Border Range, East
 g) Styrian Border Range, West
 h) Gurk- and Seetal Alps



WHAT?
are the major problems



wet snow



gliding snow

WHERE?
are the problems



most affected



most affected

HOW?
are avalanches triggered



Naturally triggered avalanches can be expected



Naturally triggered avalanches can be expected

WHY?
did these problems arise



Bed surface in old snow - partly wet/thoroughly wet



Bed surface at ground level - partly/thoroughly wet

Wet-snow, gliding-snow threat. Terminate backcountry tours early!

Avalanche Danger

The daytime danger curve currently has only a slight effect on danger levels. Due to insufficient nocturnal outgoing radiation of the snowpack, danger is moderate already in the early morning hours, then rises to considerable over the course of the morning. On steep slopes in all aspects, wet-snow and gliding-snow avalanches can trigger naturally at any time. Due to the unusual snow depths this winter, the releases can grow to dangerously large size, plummet down over bare slopes at lower altitudes and cover them with snow anew. Gliding cracks visible on the snowpack surface are indications of imminent danger. Also cornices are becoming increasingly unstable, can break spontaneously at any time.

Snow Layering

Warm weather has melted a great deal of snow over the last few days. A superficial crust capable of bearing loads was able to form only on extremely steep, shady slopes at high altitude; everywhere else, soft, slushy snow dominated, with sink-in depths often down to the ground. At intermediate altitudes the snowpack is also becoming thoroughly wet, isotherm in all aspects down to the ground to an increasing degree. The snowmelt water forms a pronounced weak layer inside the snowpack, encouraging wet-snow and gliding-snow avalanches.

Alpine Weather Forecast

On Monday morning it will still be sunny. Starting at midday, a perturbation will move in from the northwest, showers will become frequent in the afternoon. In the evening, the showers will spread out further from northern Upper Styria. The summertime temperatures will still be high: at 2000 m, +9 degrees; at 1500 m 14 degrees. Winds will strengthen as the rain sets in.

Short Term Development

After the perturbation has withdrawn, rain showers can still be expected on Tuesday morning. Thereafter the clouds will rapidly disperse and it will gradually turn quite sunny. Temperature at 2000 m: +3 to +6 degrees. As the warmth returns, little is expected to change in the avalanche situation. The wet-snow and gliding-snow threat will remain in the forefront of the daytime risks, all the way up to high altitudes.

The next avalanche bulletin will be published on Monday at about 6:00 pm.

Alexander Podesser

Translated by Jeffrey McCabe, www.creativtrans.com

The contents published by the Avalanche Warning Service Styria are protected by copyright law. Any and all replication, editing, distributing or other type of use and/or exploitation which exceeds copyright law is prohibited unless written permission is first secured from the Avalanche Warning Service Styria. Downloads and copies of this information are only permitted for private consumption, not for any form of commercial use.

