







## Mild temperatures ending. Cold front making temperatures plummet. Stormy winds, some fresh snow, delicate snowdrifts

	<p>forestline</p>	<p>Totes Gebirge, Ennstaler Alpen, Dachsteingebiet, Nördliche Wölzer Tauern, Schladminger Tauern, Rottenmanner Tauern, Südliche Wölzer Tauern, Gurktaler Alpen</p>	
		<p>Hochschwabgebiet, Eisenerzer Alpen, Seckauer Tauern, Seetaler Alpen, Stub- und Gleinalpe, Koralpe</p>	
	<p>timberline</p>	<p>Mürztsteger Alpen, Mürztaler Alpen, Östliche Fischbacher Alpen und Wechselgebiet, Westliche Fischbacher Alpen und Grazer Bergland</p>	

### Avalanche problems



### Danger ratings



### Expositions



**23.01.2021**

**Totes Gebirge, Ennstaler Alpen, Dachsteingebiet, Nördliche Wölzer Tauern, Schladminger Tauern, Rottenmanner Tauern, Südliche Wölzer Tauern, Gurktaler Alpen**



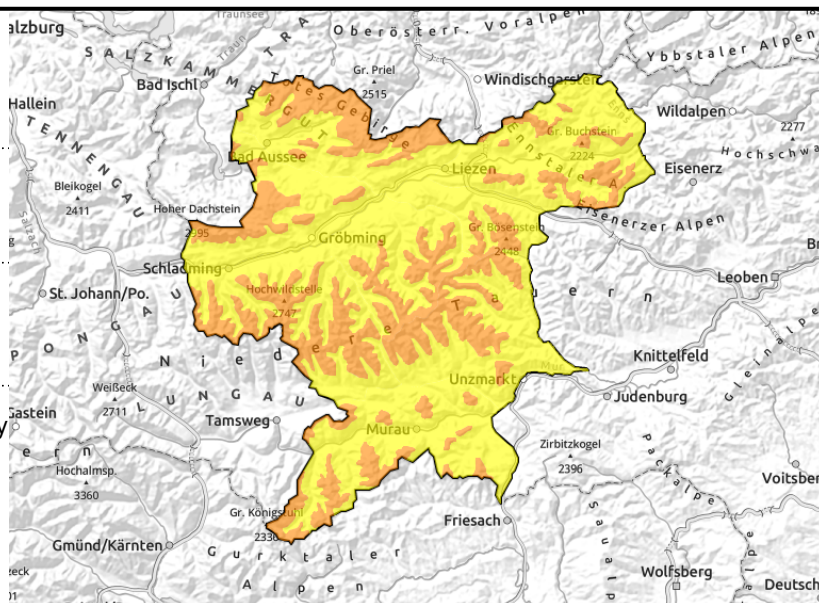
forestline



in foehn lanes, above treeline



on north-facing slopes, in shady and high-alpine terrain



## Snowdrift+old-snow problem at high altitudes. Considerable avalanche danger.

From the Dachstein over Schladming and Wölzer Tauern to Turrach, considerable avalanche danger prevails above the treeline. As a result of southerly foehn winds, trigger-sensitive snowdrifts have been generated, particularly on N/E facing slopes, additional snowdrifts are being deposited on south-facing slopes. Triggering a slab avalanche is possible even by minimum additional loading. Avalanches can fracture down to more deeply embedded layers on shady slopes and subsequently grow to large size.

### Snowpack structure

On north and east-facing slopes the snowpack layering is still unfavourable. On shady slopes, older and newer snowdrifts blanket soft layers. The snowpack has frequently been weakened by layers consisting of faceted crystals and, at ground level, depth hoar. On sunny slopes the snowpack layering is more favourable, the moist fresh snow (or rainfall, later colder snowdrifts) has been deposited on a superficially softened old snowpack surface.

### Weather

On Friday night a cold front will bring snowfall and temperatures are expected to drop noticeably. On Saturday from Totes Gebirge to the Gurktal Alps, snowfall will be frequent. The focal point of the precipitation will be in Turrach, with up to 30 cm of fresh snow anticipated, whereas fresh snow further to the north will be less (10-15 cm). The snowfall level will descend from initially 1200 m down to low lying areas during the course of the day. The initially storm-strength winds will shift from southwesterly to northwesterly. Temperatures will drop: at 2000 m from -1 to -8 degrees; at 1500 m from +1 to -6 degrees.

### Outlook

On Sunday between Dachstein and Niedere Tauern, light snowfall is possible (moderate in Gurktal Alps). Plus, moderate-to-strong velocity NW winds, combined with the cold fresh snow, adding to and continuing the unfavourable snowdrift situation.

#### Avalanche problems



new snow



wind drifted snow



old snow



wet snow



persistent weak layer



no problem

#### Danger ratings



1

low



2

moderate



3

considerable



4

high



5

very high

#### Expositions



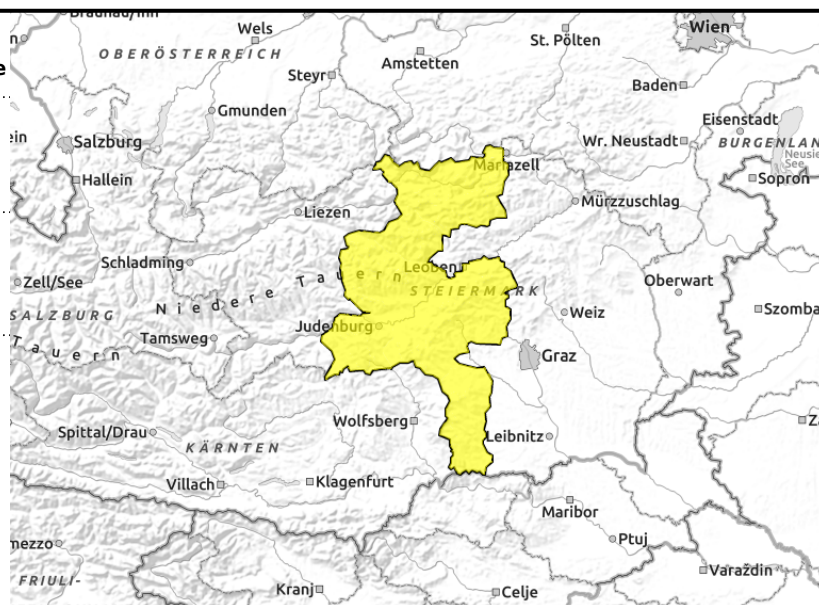
**Hochschwabgebiet, Eisenerzer Alpen, Seckauer Tauern, Seetaler Alpen, Stub- und Gleinalpe, Koralpe**



very easily triggered



on north-facing slopes



**Snowdrift+old-snow problem mostly on shady slopes. Moderate avalanche danger.**

From Hochschwab over Seckau Alps to Seetal Alps and Gleinalpe, Stubalpe and Koralpe, moderate avalanche danger prevails. Most avalanche prone locations are found on very steep N/E facing slopes, where slab avalanches can be triggered even by minimum additional loading.

**Snowpack structure**

On shady slopes the snowpack layering is unfavourable: older and newer snowdrifts blanket soft layers. There, the snowpack is often weakened by faceted-crystal layers and, near to ground level, depth hoar. On sunny slopes the snowpack layering is more favourable. Here, moist snow or rainfall is expected, later increasingly cold snowdrifts atop frequently softened old snowpack layers.

**Weather**

On Friday night, a cold front will bring snowfall and noticeably lower temperatures. On Saturday, frequent snowfall from Hochschwab to the Koralpe is expected. At high altitude, 10-15 cm of fresh snow is anticipated. The snowfall level will descend from initially 1300 m down to higher valley floors during the course of the day. The initially highly stormy winds will shift from southwesterly to northwesterly. Temperatures at 2000 m will drop from -1 degree down to -8 degrees; at 1500 m, from +1 down to -5 degrees.

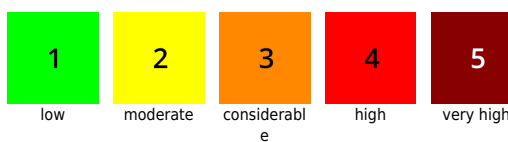
**Outlook**

On Saturday night, snowfall will set in. During the morning on Sunday, clouds will disperse, then later on cloud cover will again become heavy. Amid increasingly strong W/NW winds, snowfall will recommence. As a result of the cold fresh snow and further snowdrifts, the continuation of the unfavourable snowdrift situation is assured.

**Avalanche problems**



**Danger ratings**

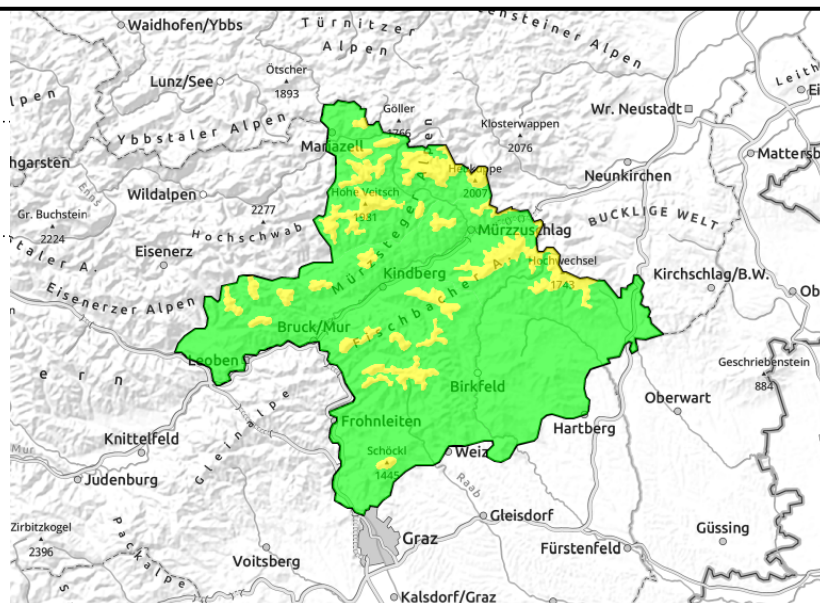
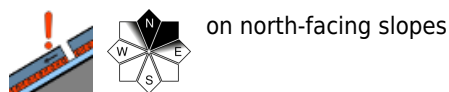
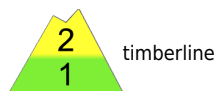


**Expositions**



**23.01.2021**

**Mürzsteger Alpen, Mürztaler Alpen, Östliche Fischbacher Alpen und Wechselgebiet, Westliche Fischbacher Alpen und Grazer Bergland**



**Old-snow problem on north-facing slopes. Moderate avalanche danger above treeline.**

From Mürzsteg Alps over Stuhleck to Graz mountains, moderate avalanche danger prevails above the treeline. Avalanche prone locations are relatively small-spread, found mostly near ridgelines, particularly on north and east-facing slopes, but as the wind-induced snow transport continues, increasingly on south-facing slopes.

**Snowpack structure**

Mild temperatures and solar radiation of the last two days have had a positive effect on the snowpack. Older, still trigger-sensitive snowdrifts are deposited atop surface hoar or atop expansively metamorphosed layers only on shady slopes. At intermediate altitudes the snow is wet. The fresh fallen, initially quite moist snow is bonding initially quite well with the moist or melt-freeze encrusted old snowpack surface.

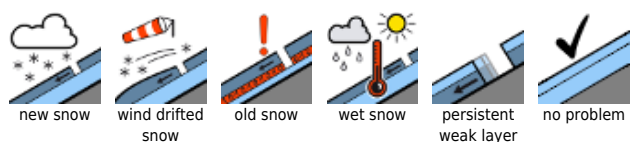
**Weather**

On Friday night, a cold front will bring snowfall and noticeably lower temperatures. On Saturday, about 5-10 cm of fresh snow is expected in the Mariazell region, from Fischbach Alps to Graz mountains the fresh snow will be less. The snowfall level will descend from initially 1400 m down to higher valley floors during the course of the day. The initially highly stormy winds will shift from southwesterly to northwesterly. Temperatures at 2000 m will drop from -1 degree down to -7 degrees; at 1500 m, from +2 down to -5 degrees.

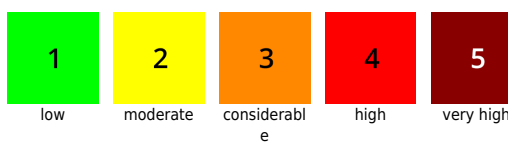
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**Avalanche problems**



**Danger ratings**



**Expositions**

