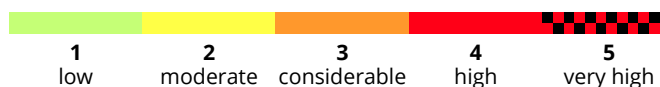
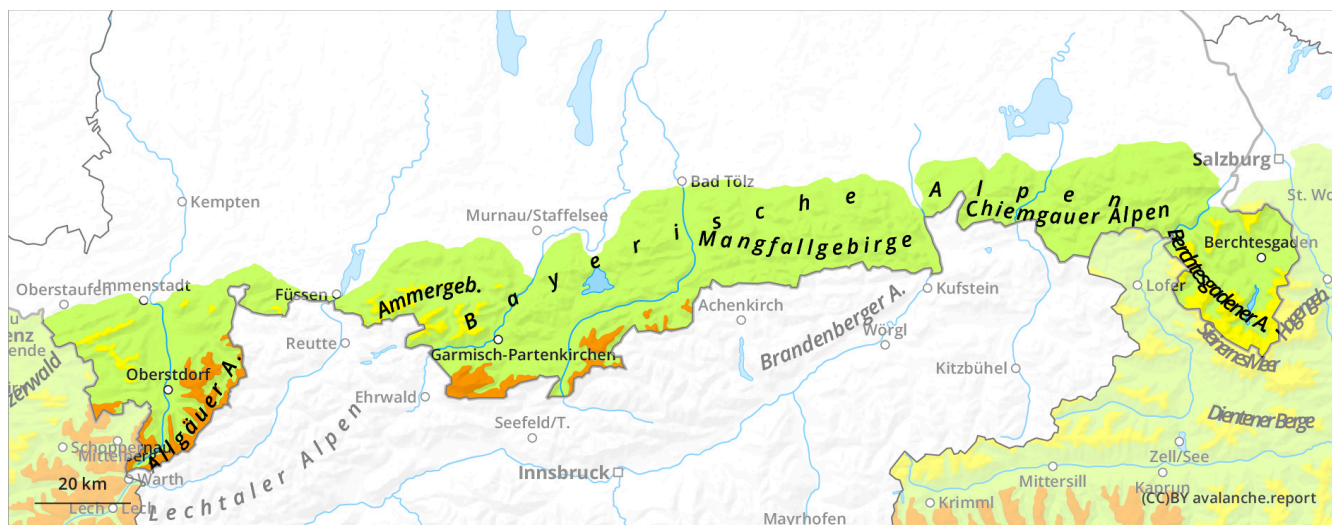


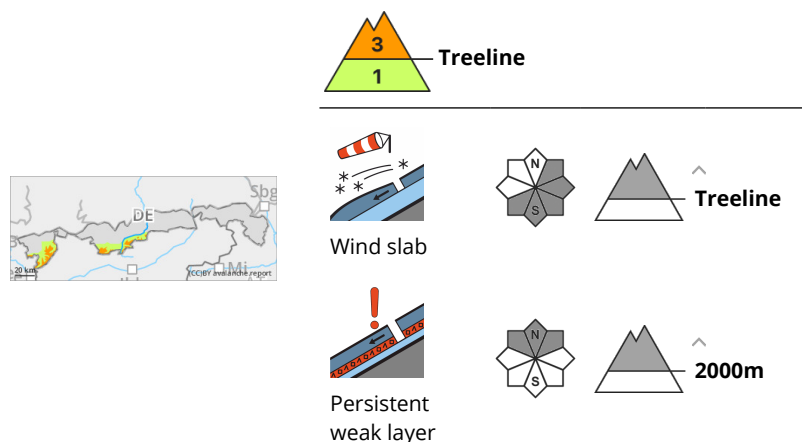
# Avalanche bulletin Bavaria

## Sunday 15 December 2024

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## Danger Level 3 - Considerable



### Many new danger zones generated by snowfall and wind

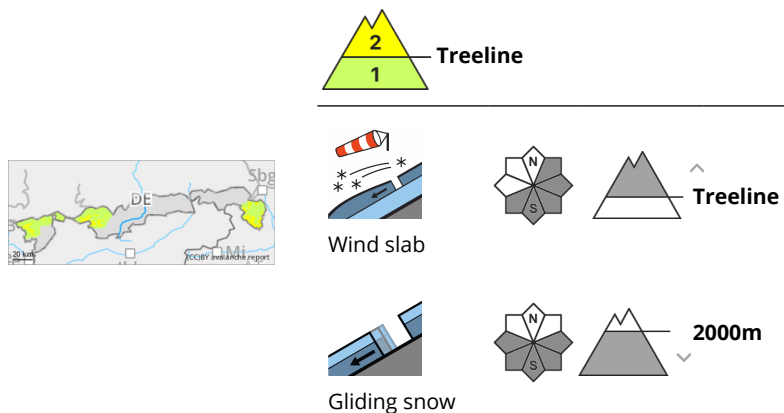
#### Danger assessment

Avalanche danger above the treeline is considerable. Snowdrifts are problematic. Fresh and older snowdrifts can trigger a small-to-medium sized slab avalanche by minimum additional loading in some places. Danger zones occur in steep east and south-facing terrain and tend to increase with ascending altitude, but still are small-sized.. Avalanches can reach medium size. In addition, there is a persistent weak layer problem, unrecognizable without looking inside the snowpack. Danger zones occur in northern aspects and can be triggered particularly by large additional loading. In isolated cases they can grow to medium size.

#### Snowpack

The forecast snowfall will be deposited on south-facing slopes atop a slightly melt-freeze encrusted surface, on shady slopes atop a softened surface. In the western and high-altitude regions the snowfall will be heavier. Westerly winds will accompany it. Particularly in summit and pass areas, large-sized snowdrifts will accumulate which will be deposited on top of soft layers. Inside the old snowpack are melt-freeze crusts which become less marked with ascending altitude. In some places a trigger-sensitive layer of faceted crystals has formed near the crusts, particularly on north-facing slopes at higher altitudes. The snowpack base at low altitudes is often moist, sometimes wet, which tends to further the gliding movement of the entire snowpack over smooth ground.

## Danger Level 2 - Moderate



### Snowdrifts often lie deposited on weak old snow.

#### Danger assessment

Avalanche danger above the treeline is moderate. Snowdrifts are problematic. Fresh and older snowdrifts can trigger a small-to-medium sized slab avalanche by minimum additional loading in some places. Danger zones occur in steep east and south-facing terrain, as well as in wind-loaded gullies and bowls, and tend to increase with ascending altitude. Releases are mostly small-sized. In isolated cases on very steep slopes where the ground is smooth, small glide-snow avalanches can unleash. Avoid zones below glide cracks.

#### Snowpack

The forecast snowfall will be deposited on south-facing slopes atop a slightly melt-freeze encrusted surface, on shady slopes atop a softened surface. In the western and high-altitude regions the snowfall will be heavier. Westerly winds will accompany it. Particularly in summit and pass areas, large-sized snowdrifts will accumulate which will be deposited on top of soft layers. Inside the old snowpack are melt-freeze crusts which become less marked with ascending altitude. In some places a trigger-sensitive layer of faceted crystals has formed near the crusts, particularly on north-facing slopes at higher altitudes. The snowpack base at low altitudes is often moist, sometimes wet, which tends to further the gliding movement of the entire snowpack over smooth ground.

#### Tendency

The activity of wet avalanches will increase with the rising temperatures, snowdrifts will consolidate.

## Danger Level 1 - Low



### **Winds are generating small snowdrift accumulations.**

#### Danger assessment

Avalanche danger is low. Snowdrifts are often problematic above the treeline. Danger zones occur in steep ridgeline terrain and in wind-loaded gullies and bowls. Slab avalanches can be triggered by one single winter sports enthusiast. The releases will mostly be small-sized. In isolated cases on very steep slopes small glide-snow avalanches can release over smooth ground.

#### Snowpack

On south-facing slopes, a thin melt-freeze crust will form overnight in many places. On shady slopes the snow will remain soft. Westerly winds will set in during the nocturnal hours, during the daytime hours snowfall will set in. The loose snow will be transported by winds, generate snowdrifted masses in summit and ridgeline areas. Size and frequency of the drifts will tend to increase with ascending altitude. At altitudes of 1800-2200m, there is a melt-freeze crust capable of bearing loads, beneath which a weak layer of faceted crystals has formed. The old snowpack base has varying depths, it is often lacking in wind-exposed zones. At intermediate altitudes the snow base is often moist, wet in some places, which can lead the entire snowpack to gliding over smooth ground.

#### Tendency

Due to snowfall avalanche dangers will increase.