

Avalanche danger forecast for Tuesday 2/12/2019

New and recent accumulations on the N-E and S sides - still strong wind from N

AVALANCHE DANGER

The avalanche danger is **3-considerable** from the Gran Paradiso Valleys to the west and north sectors of the Region, **2-moderate** elsewhere.

The avalanche problems is **"wind drifted snow"**.

Different situations depending on the areas with an increase in the degree of danger from east to west due to the recent snow accompanied by strong wind from W and then from N.

Triggered avalanche

accumulations both new and recent, more widespread in the N-NW of the Region:

- **at higher altitudes**, due to the turbulent action of the wind, the accumulations are located close to ridges and hills and more pressed by the wind;

- **below 2700-2500 m**, for a greater redistribution of the snow, the accumulations are located near slope changes and in the basins, still quite soft are not thick but wider.

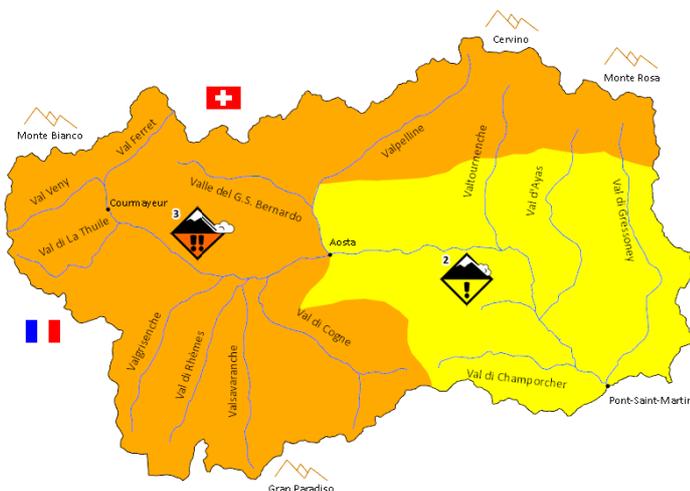
A hiker/skier can trigger slabs, especially on the **steep north, east and south slopes**.

weak persistent layers thick layers of cohesion-free crystals inside the snowpack. They are mainly located on the **coldest slopes in the shade**, in the altitude that starts **from 1800 m up to 2600 m** at the most. Residual risk for a skier to solicit these weak layers and trigger slabs when passing between a few and a lot of snow.

Spontaneous avalanche

- sluff and avalanches also of medium size of recent dry snow or in the course of humidification from steep slopes and rocky bars, to different exposures below 2800 m;

- possible small and medium-sized slab avalanches from leeward slopes, especially at the base of the rocky bars.



> 2000 m



Constant with gradual rise in temperature at high altitude

EUROPEAN AVALANCHE DANGER SCALE

 Rising avalanche danger during the day

 5 VERY HIGH	 4 HIGH	 3 CONSIDERABLE	 2 MODERATE	 1 LOW
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Snowcover and fresh snow

The snowfall on Sunday evening and Monday brought uniform quantities over 1800 m:- 20-30 cm in the west-northwest of the Region, from the Val di Rhemes to Valtournenche, with 40 cm peaks in the G.S.Bernardo Valley;- 10-15 cm in Valsavarenche, Val di Cogne and central area of the valley;- 05-10 cm elsewhere.The winds were strong first from SW and then from W-NW with turbulent action and strong erosion at high altitudes.The bond of the fresh snow with the old snowpack is good.Discrete amounts of snow in the west and north-west of the region, elsewhere the snowcover is good only above 2200 m.

Snowpack

Dry fresh snow, partly compacted by the wind below 2300 m, strongly redistributed and sublimated at higher altitudes. In the old snowpack the strong gradient of the last month has formed a weak layer (faceted crystals, depth hoar, frost of embedded surface) currently present but difficult to stress, however, determines a latent instability in particular in the shadow exposures in the shares between 2600 and 1800 m.

Avalanche activity

Sluff of fresh snow with weak cohesion from steep slopes below 2800 m. The lack of visibility and the turbulent action of the wind at higher altitudes does not allow further observation.

Skiing conditions

The west of the region is well snow-covered; in the remaining territory you have to be careful because the fresh snow hides the previous lack of bottom under 1900-2300 m and in the humps: it is easy to touch rocks.

TYPICAL AVALANCHE PROBLEMS



NEW SNOW



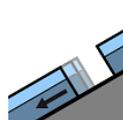
WIND-DRIFTED SNOW



PERSISTENT WEAK LAYERS



WET SNOW



GLIDING SNOW

CRITICAL LOCATIONS



IN BLACK: THE MORE CRITICAL ASPECTS AND ELEVATIONS

Snow and avalanche bulletin n° 76 issued on 2/11/2019 at 03.45 PM

Valid outside the ski runs controlled and managed by the ski resorts.

For an accurate interpretation of the Bulletin, a specific guide is available at www.aineva.it/guida-bollettini/

