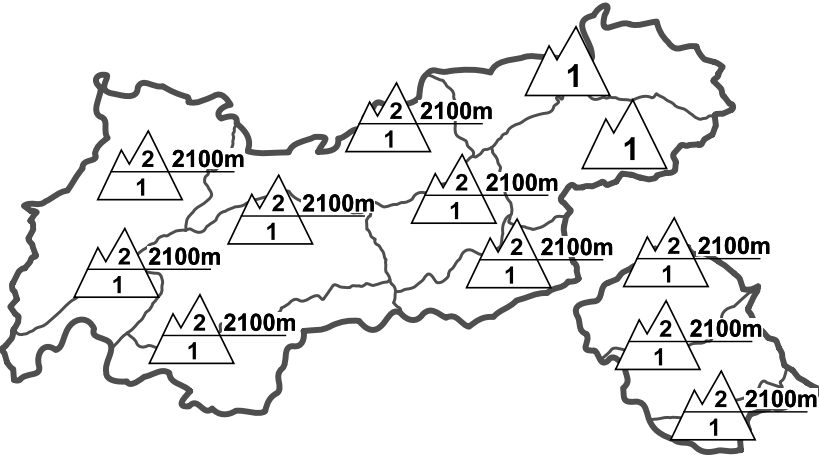

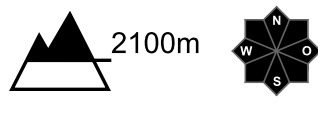
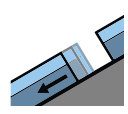







Regional Avalanche Danger Levels in alpine areas from 27.03.2018 07:30 <span style="color: red;">All-Day</span>		WHAT? problem	WHERE? danger spots
		 old snow	 2100m upper layer
		 gliding snow	 2400m grassy slopes
		<b>General Level</b> Tirol 	<b>Tendency</b> tomorrow  constant

**DANGER PATTERNS (DP):** [dp.4 - cold following warm / warm following cold](#) [dp.8 - surface hoar blanketed with snow](#)

### Predominantly favourable conditions

#### AVALANCHE DANGER

Above 2100 m, moderate danger prevails, below 2100 m danger is low. The main problem: older snowdrift accumulations which can be triggered in the uppermost layers of the snowpack primarily by large additional loading. Avalanche prone locations are found mostly near ridgelines on very steep shady slopes above 2100 m and on sunny steep slopes above 2500 m. To start with these are west and east-facing slopes, in high alpine regions also south-facing slopes. Still utterly unpredictable but threatening are steep, grassy slopes where gliding avalanches can release at any time. We recommend avoiding all zones where glide cracks are visible.

#### SNOW LAYERING

Since yesterday there has been a few centimeters of snowfall amidst light winds. What is decisive for the avalanche situation is not the fresh snow, but the weak upper layers of the snow cover. On shady slopes these occur primarily near ridgelines as surface hoar (Nigg effect) above 2100 m. On sunny slopes, the layers of metamorphosed (faceted) crystals constitute a weak layer lurking beneath melt-freeze crusts. We calculate that these faceted layers occur mostly on west and east-facing slopes above 2500 m and on south-facing slopes above 3000 m. In general, the snow quality has deteriorated over the last few days. Powder snow is seen seldom, melt-freeze crusts frequently. The snowpack surface is still capable of bearing loads on very steep, south-facing slopes up to at least 2400 m.

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

Particularly in the mountains of North Tirol this morning, there will be frequent snowfall. During the course of the day there will be numerous interims in this precipitation, but gloomy fog will persist. Winds and snowfall will continue until Wednesday. On the southern flank of the Alps apart from the Main Alpine Ridge it will be dry and intermittently sunny. But winds will be persistent. At 2000 m: -5 degrees; at 3000 m: -13 degrees. Moderate W/NW winds initially, intensifying this evening.

#### SHORT TERM DEVELOPMENT

Rain impact during the night could raise danger levels at low altitudes

Patrick Nairz

Translated by Jeffrey McCabe