

Analyser for avalanche problems:	What are the primary avalanche problems today?	Where are they present in the terrain?	How severe are the problems?
 <b>New snow</b>	more than 10 cm of new snow during the last 1-3 days		 <b>Wind-drifted snow</b>
Amount of new snow (cm)	10-20  20-40  >40 	Age (days) (if older than 2 days consider old snow!)	2-3  1-2  0-1 
Duration (days)	72  48  24 	Amount of wind-drifted snow (cm)	5-10  10-40  >40 
Wind: during or just after snow fall	   	Snow temperatur (in general)	warm  ———  cold 
Cold snow on wet surface or transition from cold to warm new snow	no  ———  yes 	Structure of snowpack (old snow)	loose     slaby
Property of new snow	   	Distribution of wind slab	specific     widespread
Old snow surface and / or snowpack stratigraphy (old snow)	   	Warning signs	no     often
Warning signs	   	Assessment of wind slab problem	   
Assessment of new snow problem	   	<input type="checkbox"/> during snowfall <input type="checkbox"/> after snowfall <input type="checkbox"/> Wind-drifted old snow	
<input type="checkbox"/> on favourable old snow surface <input type="checkbox"/> on unfavourable old snow surface		- Are there differences in aspect, elevation or shape of terrain?	
<input type="checkbox"/> weak layer deeper in snowpack <input type="checkbox"/> large temperature differences old / new snow		- Are there weak layers deeper in the snowpack?	
- Are there differences in aspect or elevation? - Are there weak layers deeper in the snowpack? (soft / large grains)                      → Old snow problem		(soft / large grains)                      → Old snow problem	
Where is new snow problem especially present?	Where is wind slab problem especially present?		



### Wet snow

Influx of water through rain or solar radiation

Rain				
	0	0-1	1-5	>5
Wet snow surface (cm)				
	low			deep
Penetration depth (without skis)				
	no			yes
Distinct different layers (small grains above large grains)				
Snowpack in general				
	1 Finger			Fist
Hardness of lower layers				
	no			often
Warning signs				

Assessment of new snow problem

Spring situation     Thaw with rain

- Are there differences in aspect or elevation?

Where is wet snow problem especially present?



### Old snow

since 3 or more days no change caused by:

- new snow
- wind-drifted snow
- influx of water

Snow depth in general				
	large			shallow
Snowpack information from avalanche bulletin				
Stability tests				
Snow profile (Stratigraphy)				
	never			often
Break through harder layers into soft, weaker layer (on foot)				
	no			often
Warning signs				

Assessment of old snow problem

Facets or depth hoar underlying cohesive slabby layers

buried surface hoar

- Are there differences in aspect, elevation or shape of terrain?

Where is old snow problem especially present?

favourable to    unfavourable

partly supplemented by headings (e.g. Warning signs: no ———— often)