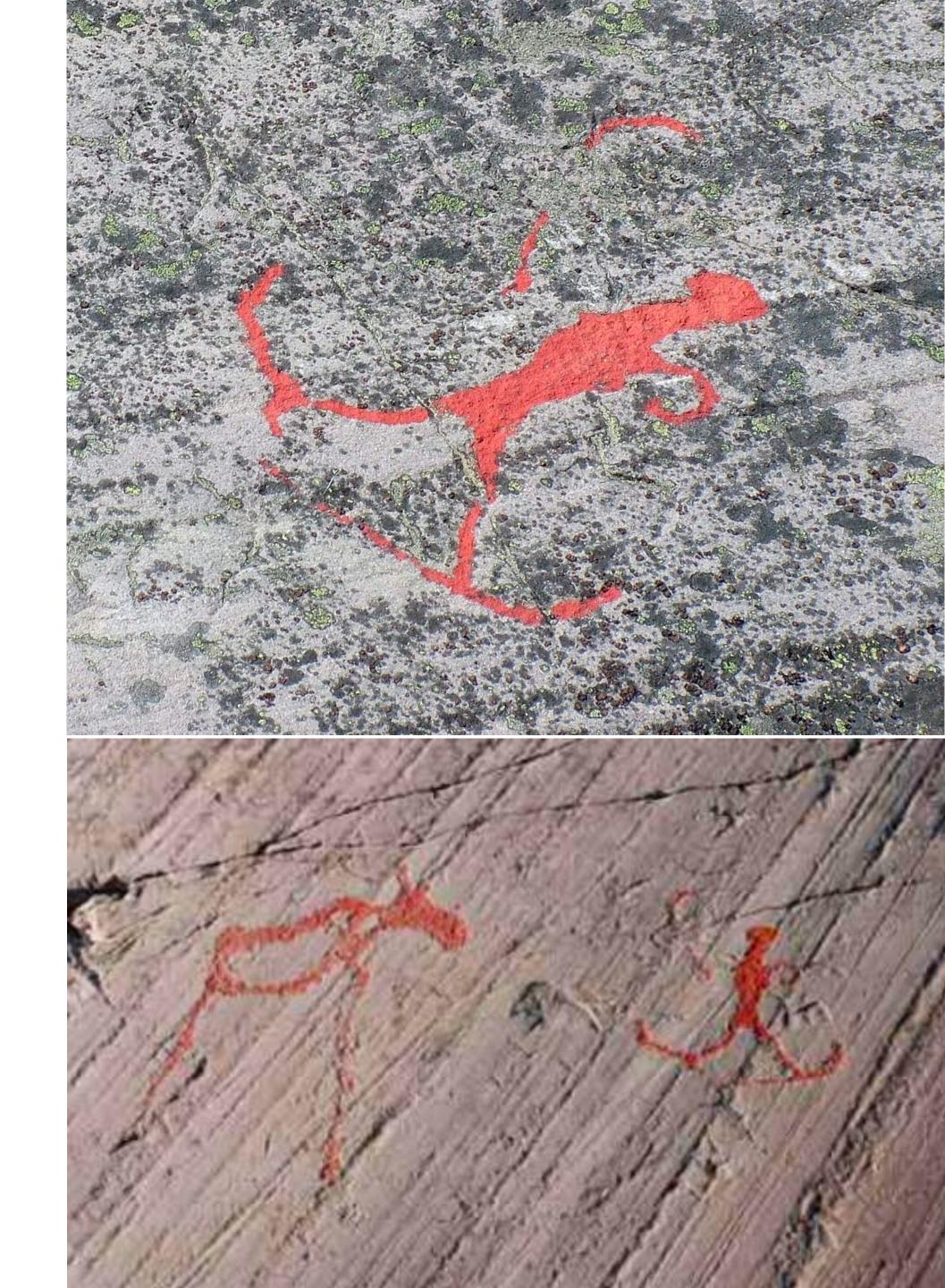


Prehistory

- The ski was invented before the wheel
- Oldest information about skiing is based on archaeological evidence
- Old fragments of ski-like objects
- Rock paintings



Early modern period

- Skis were widely utilized in Central Asia and Europe
- In regular use by farmers, hunters and warriors
- Skiing as transportation





First recorded skiing exercises

- In the 18th century, the Norwegian and Swedish army trained and competed on skis
 - Downhill in rough terrain
 - 3 km cross-country skiing with full military backpack
 - Target practice while skiing downhill



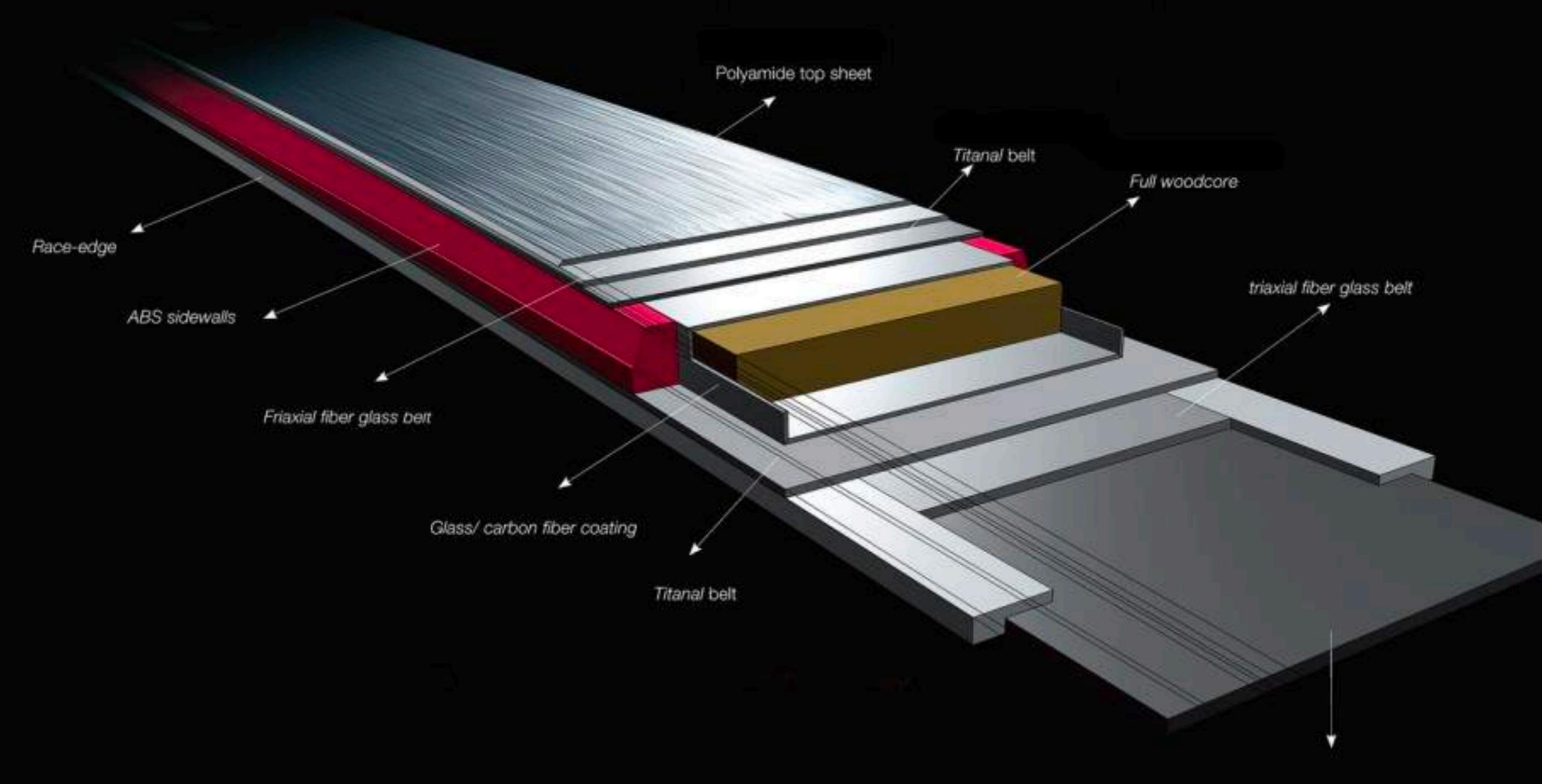
Becoming a sport

- 1850s: Production of thinner, lighter and more flexible skis
- 1880s: Shift from Nordic skiing (cross-country skiing) to Alpine skiing (downhill skiing)
- 1908: First ski lift was built in Germany
- 1924: First Winter Olympics → Nordic skiing
- 1936: Winter Games in Garmisch-Partenkirchen, Germany
 - → Alpine Skiing was included









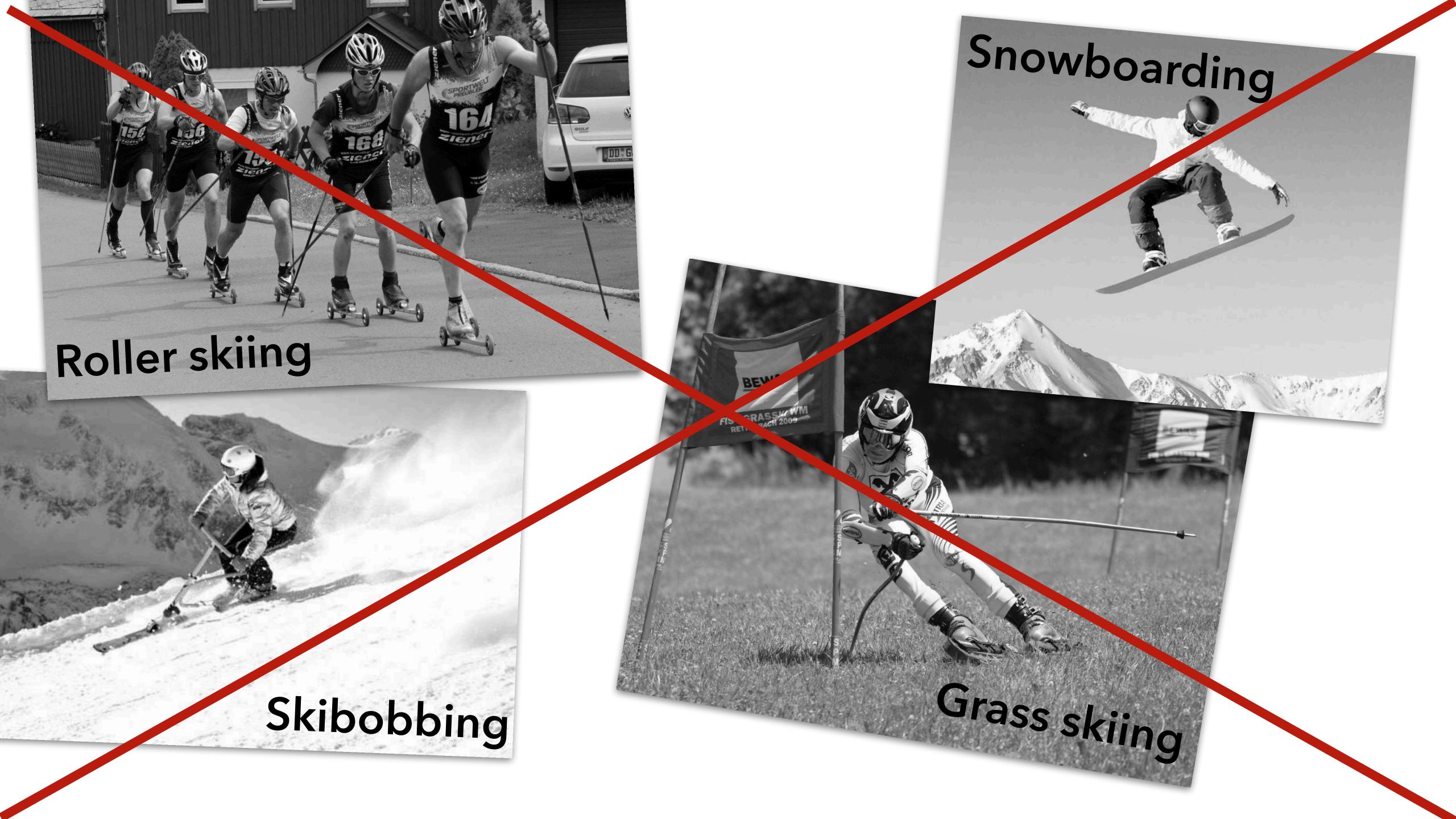
Types of skiing

















Nordic skiing

Cross-country skiing



Biathlon



Telemark skiing



Ski touring

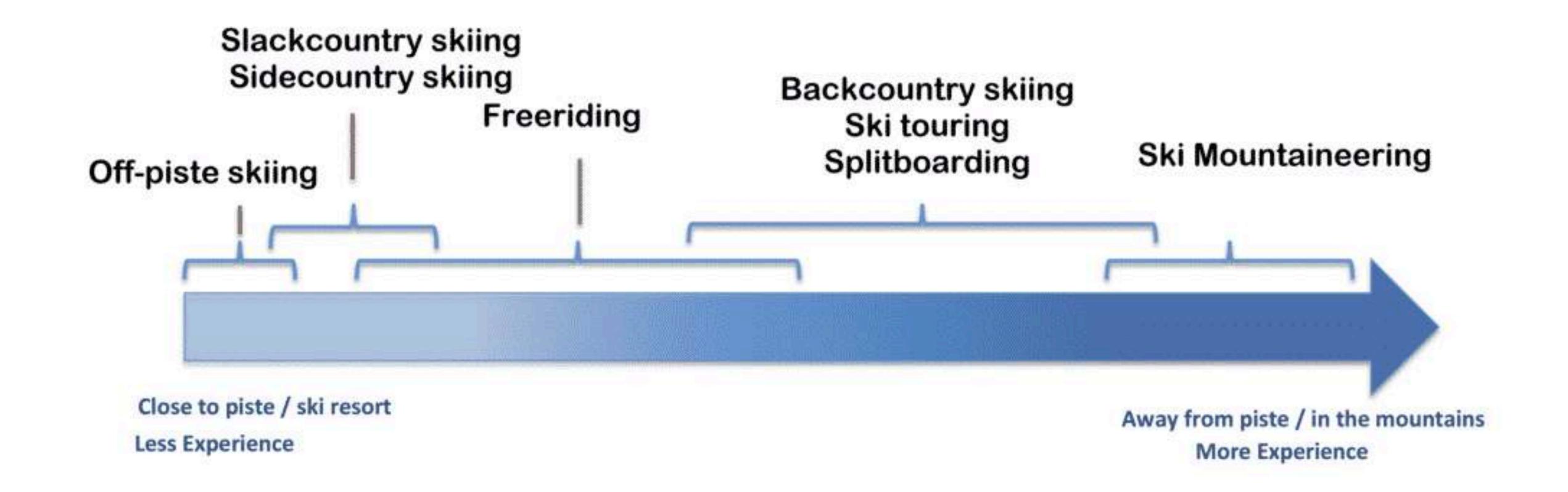


Ski jumping

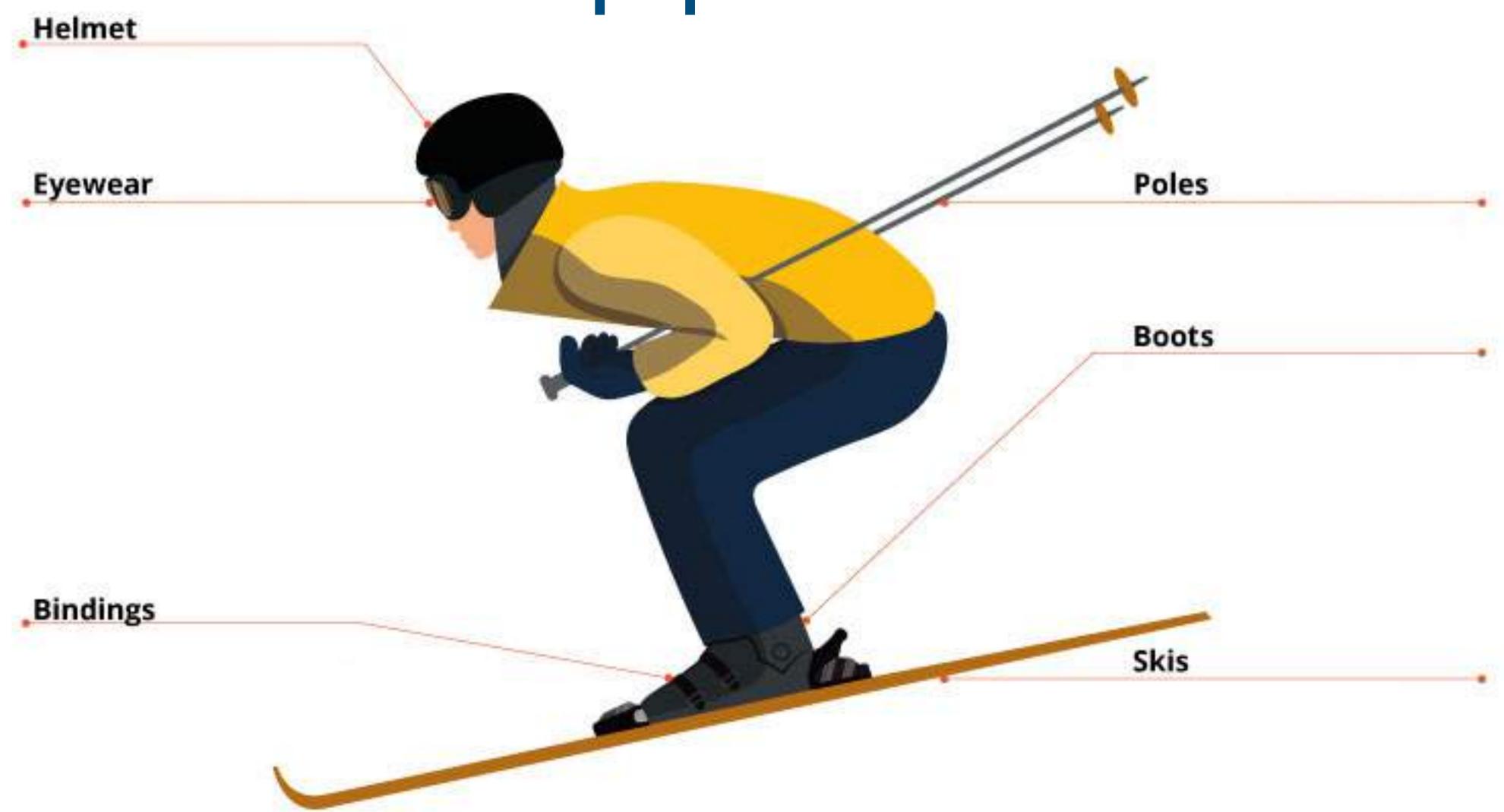


Alpine skiing (downhill skiing)

- Fixed-heel bindings
- Most alpine skiing at ski resorts with ski lifts
- Snow is groomed, avalanches are controlled and trees are cut to create trails
- Many resorts use snow making equipment
- Alternative in less controlled environments: backcountry skiing (off-piste)



Equipment













FISCHER

















































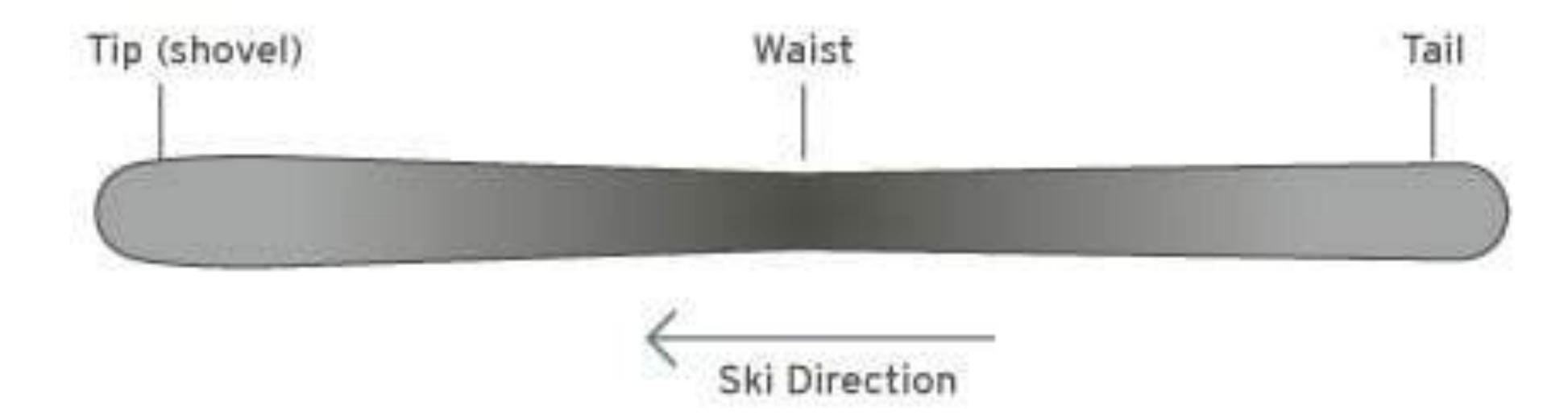








Downhill skis



Downhill skis

All-Mountain Skis (Carver)

Best for groomed terrain (all levels, including moguls)



All-Mountain Wide Skis

Best for groomed runs and powder



Powder Skis



Camber vs. Rocker



- Camber → traditional ski
- Only the tip and tail sections touch the ground
- Good grip and traction at high speeds
- Ability to carve turns
- Con: Easier to catch an edge in deep powder

Camber vs. Rocker

Camber



Reverse camber



Camber vs. Rocker





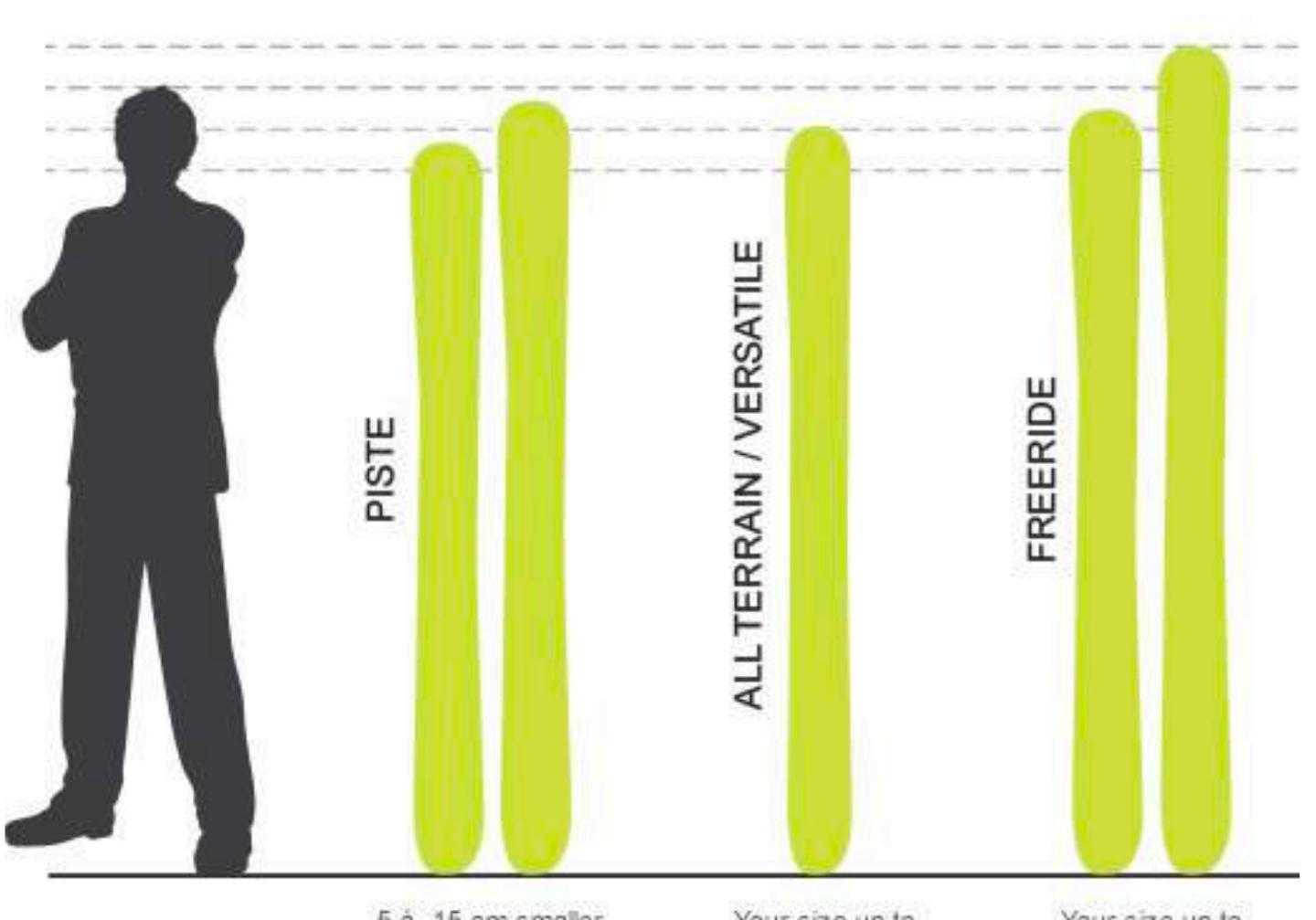
Reverse camber



Rocker (Tip-Rocker)



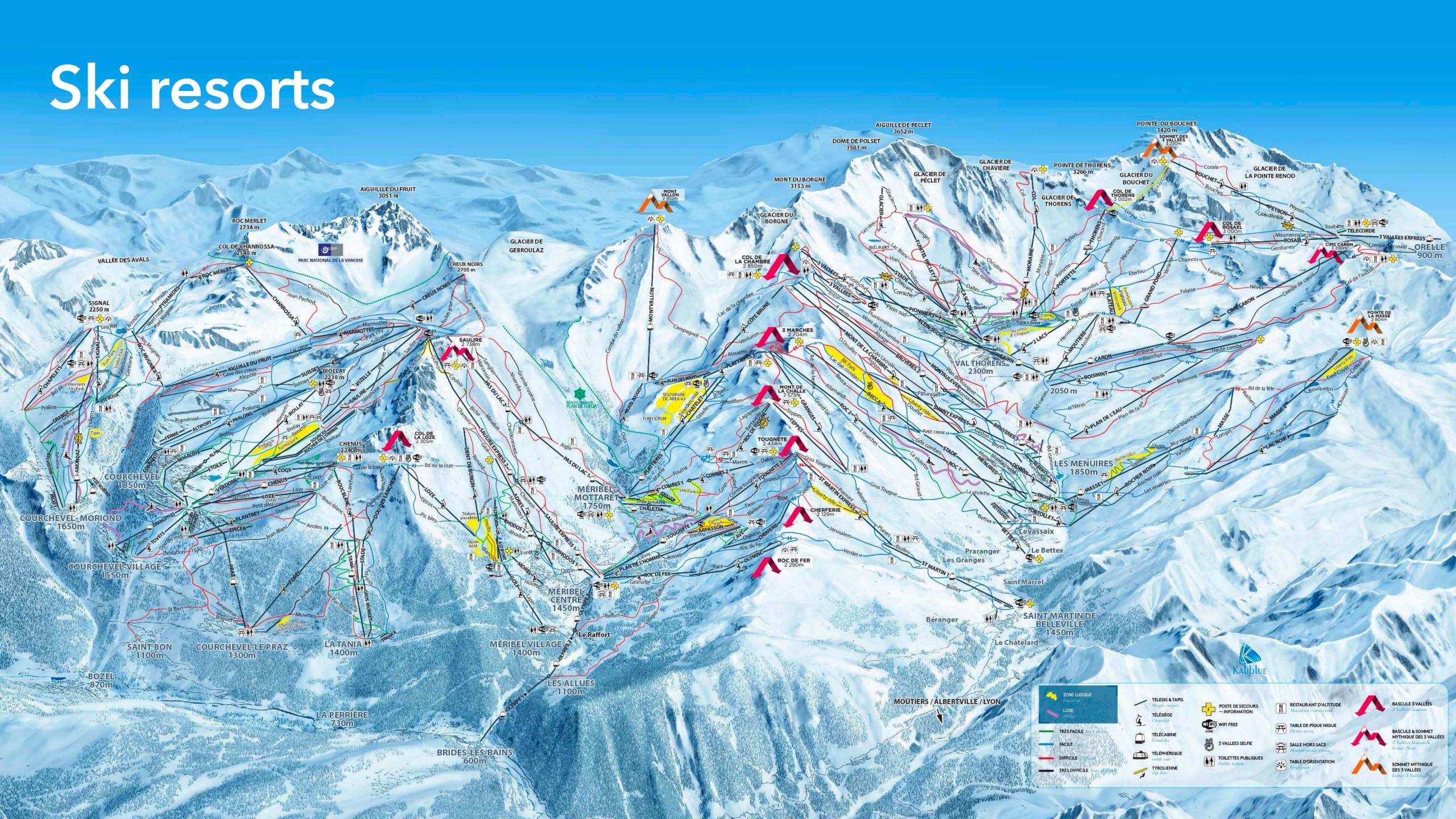
Ski length



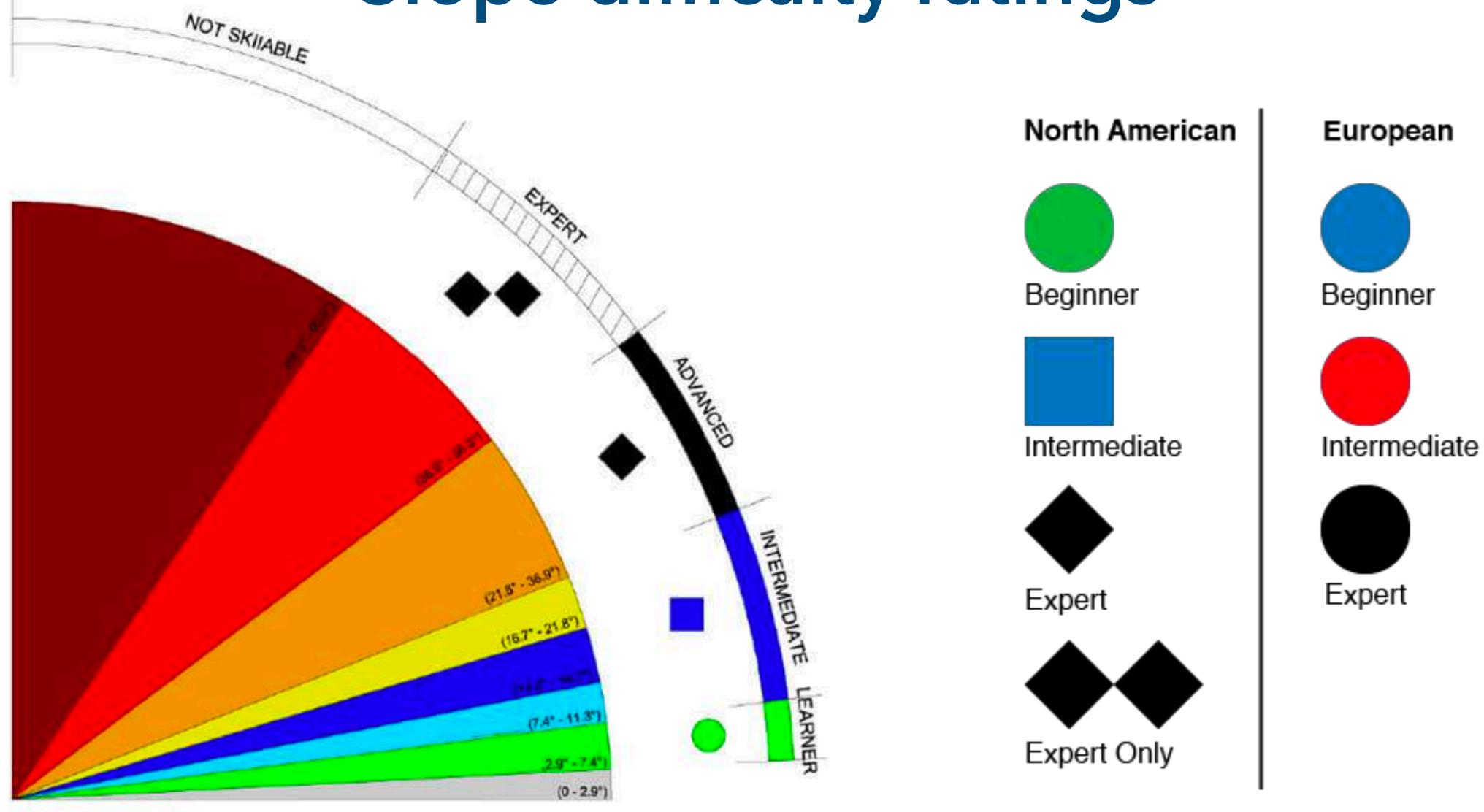
 -5 å -15 cm smaller than your height

Your size up to -10 cm

Your size up to -5 to +10 cm



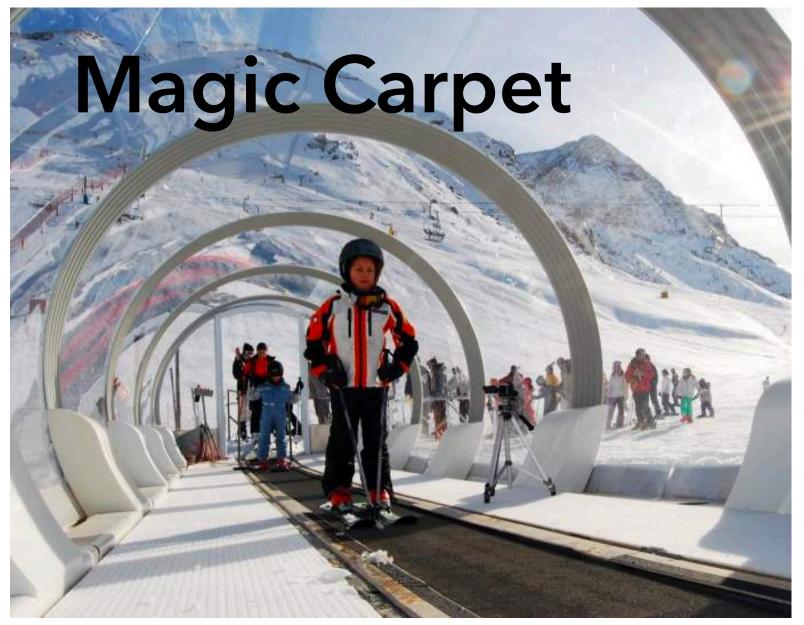
Slope difficulty ratings









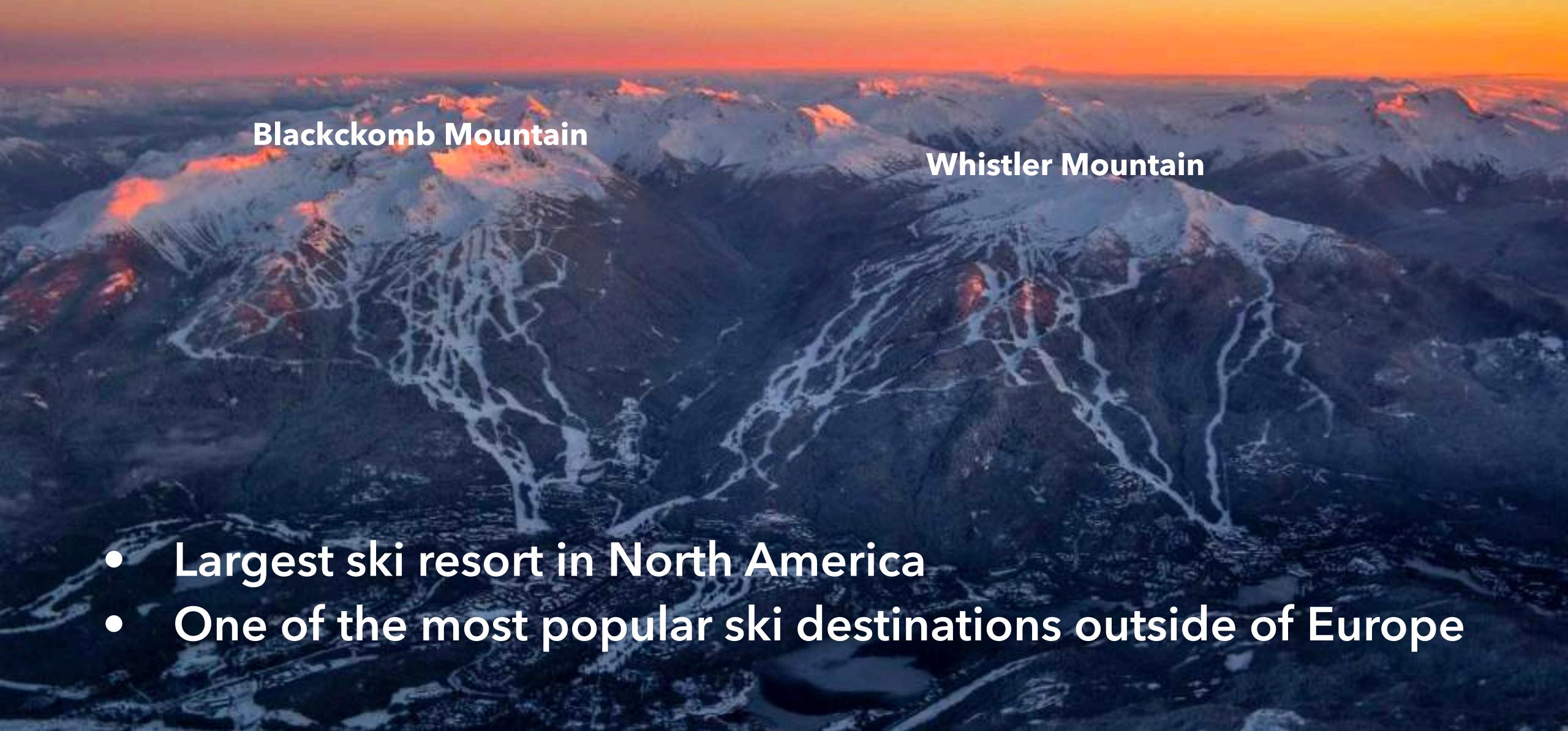








Whistler Blackcomb



Whistler Blackcomb

- Opened for the first time in Jan 1966
- Joined physically with the Peak-2-Peak gondola in 2008
- 37 lifts
- >250 km skiable (includes avalanche-controlled but ungroomed terrain)

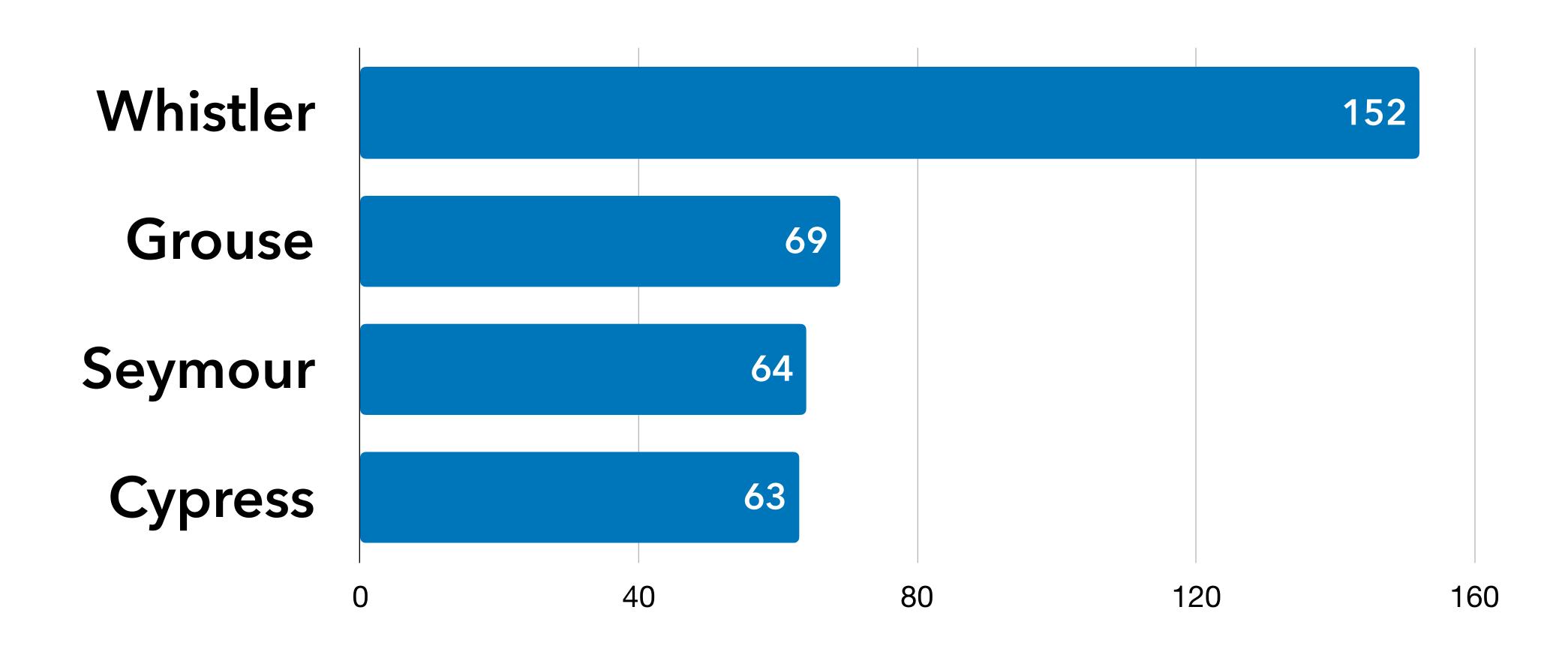
The Three Valleys (Les Trois Vallées), France

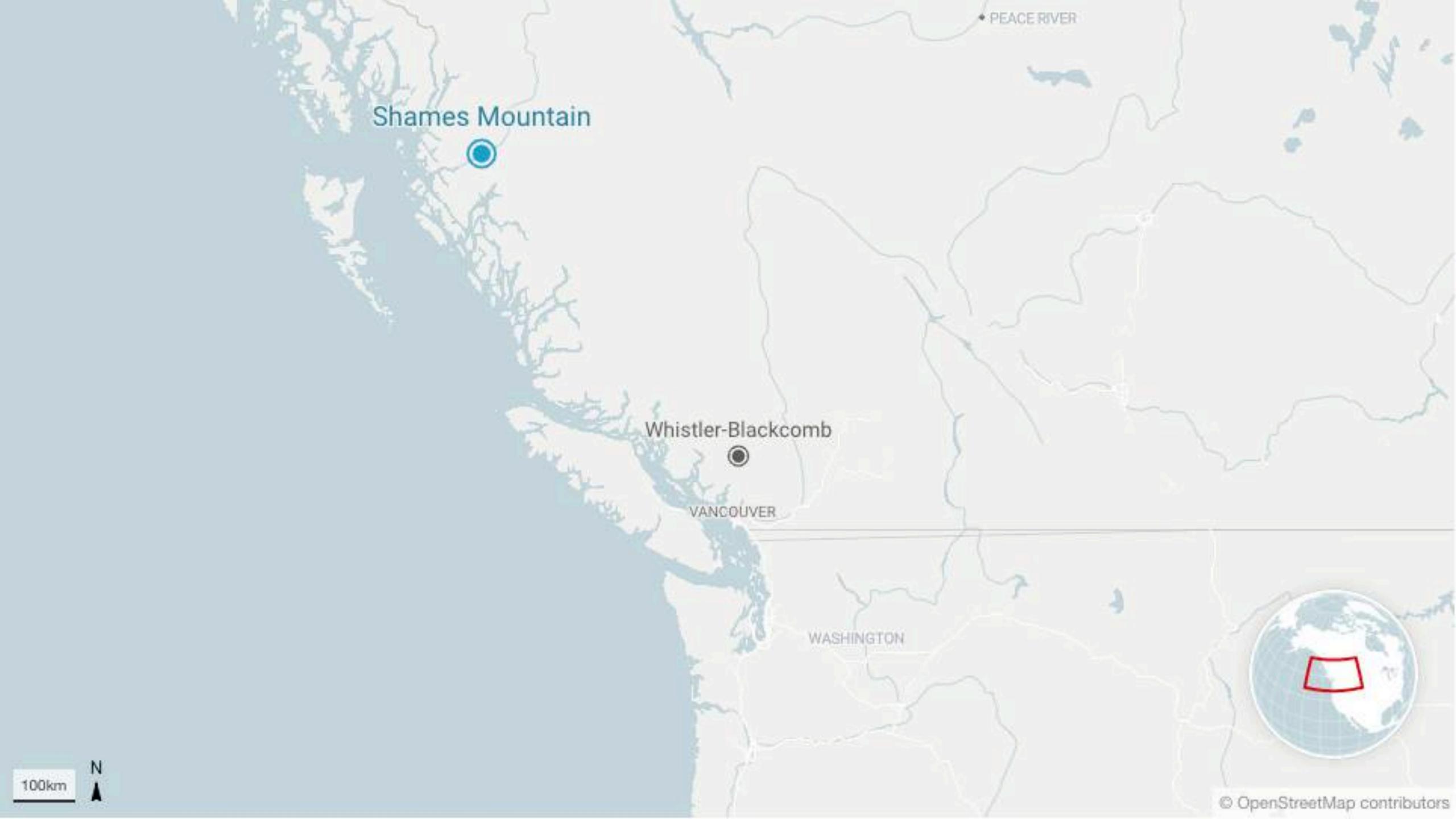
- World's largest ski area
- 7 connected ski resorts





Lift tickets (day pass in CAD)











Competitive alpine skiing

4 primary disciplines

Slalom



Giant slalom



Super G



Downhill























