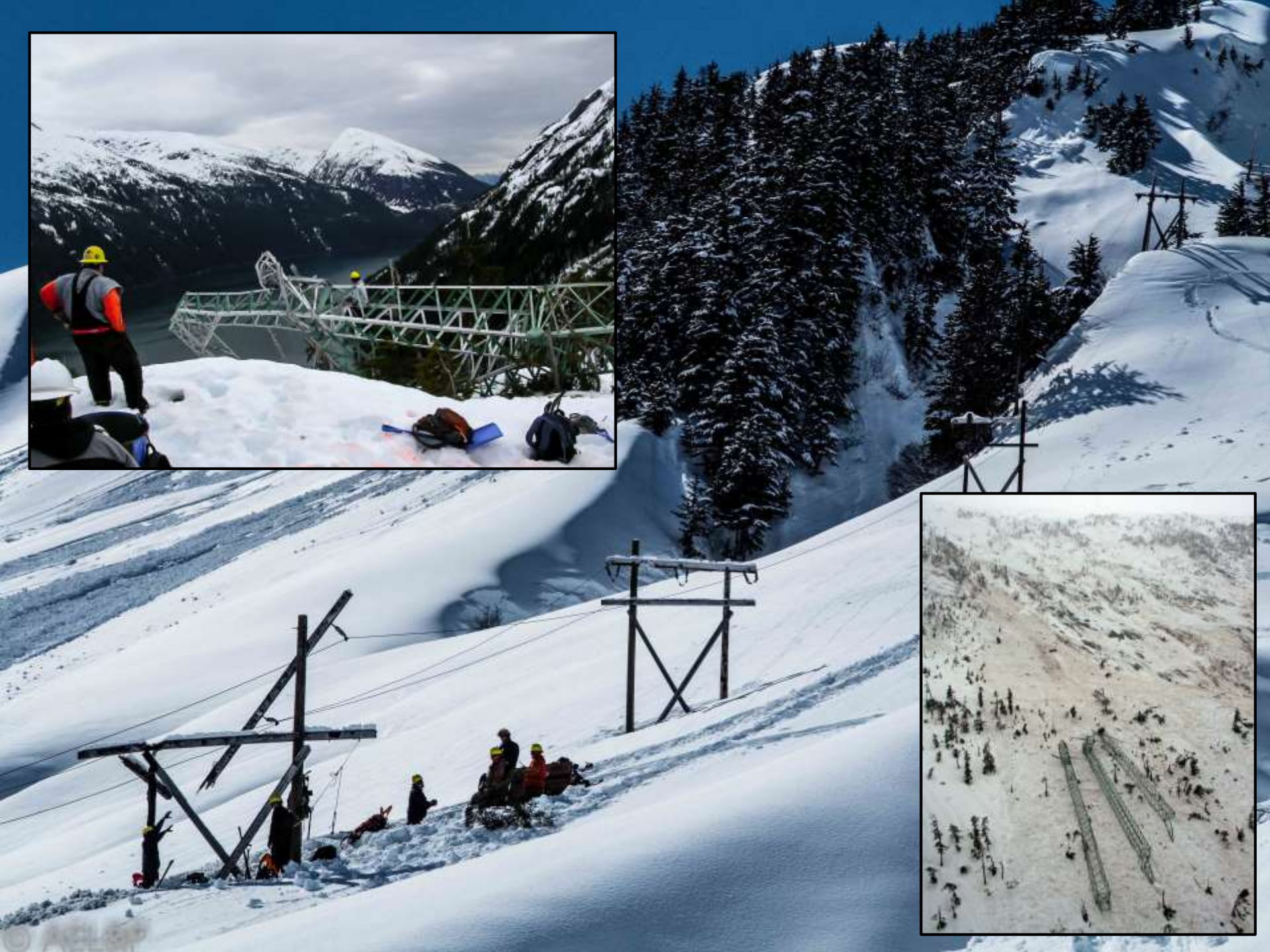


# Snow & Avalanches from a Power Perspective: *Drought, Climate Change and Snowpack*



April 16, 2008





# AEL&P Avalanche Program

- Active Forecasting & Control
- Structural Defenses





# Speel Arm Weather & Orographics





**Snowslide  
Creek  
Thane Road**



**March 11, 2012**



**March 1, 2019**



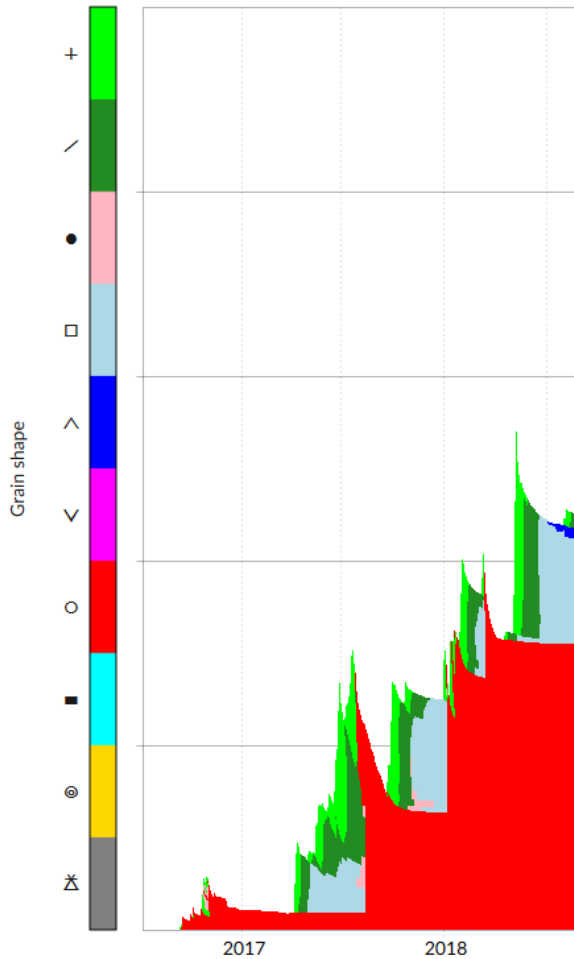
# Operational Integration of Swiss Snowpack Model



SnopViz Grain shape Grain size Temperature Density Wetness

Timeline View - //s3.amazonaws.com/wxsite/snopviz/files/roberts.pro

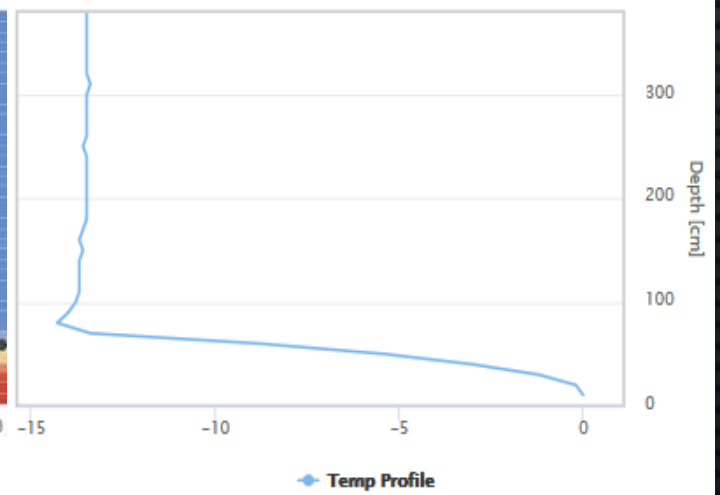
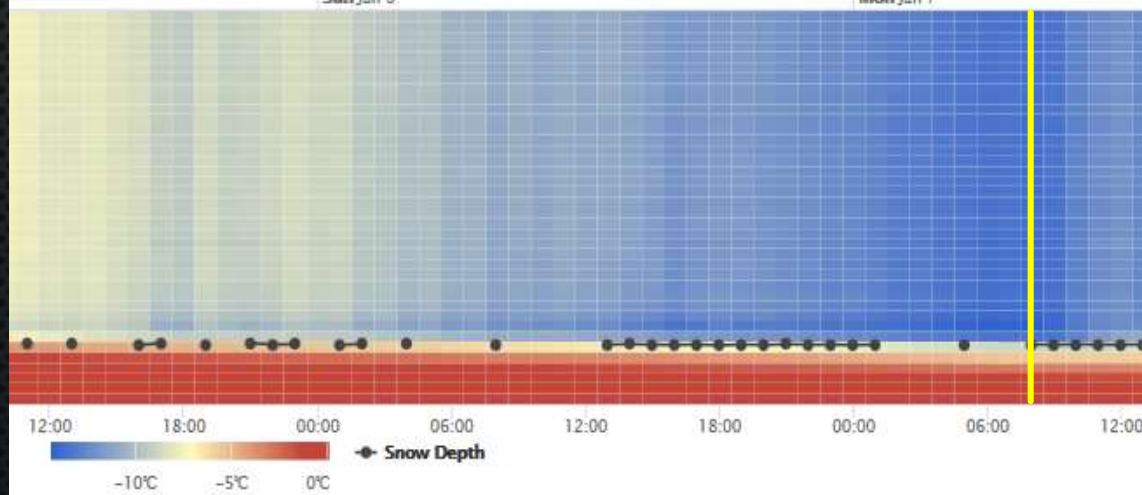
roberts (45° N -120° E), 1000m  
Slope: 0°, Azimuth: 0°, Avg. timestep: 60 min





Sun Jan 6

Mon Jan 7



Mt Ben Stuart, Douglas Island  
March 2014  
Remotely Triggered Avalanche



Conundrum Valley, Colorado  
March 2019





Ketchikan –  
Deer Mtn Area

Crater Lake  
Drainage



Swiss RAMMS Avalanche Model  
Arthur Peak, Stephens Passage  
Tower 21-6 Snettisham Line

