

Article

The avalanche of Les Fonts d'Arinsal (Andorra): An Example of a Pure Powder, Dry Snow Avalanche

Supplementary Materials

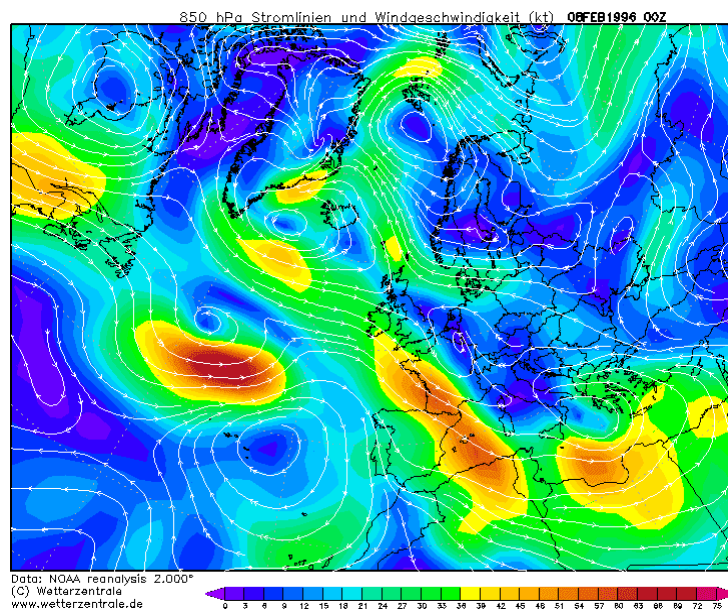


Figure S1. Streamlines and wind intensity (kt) at 850 hPa (around 1500 m) from February 8th at 00h UTC from NOAA Reanalysis. Source: www.wetterzentrale.com.

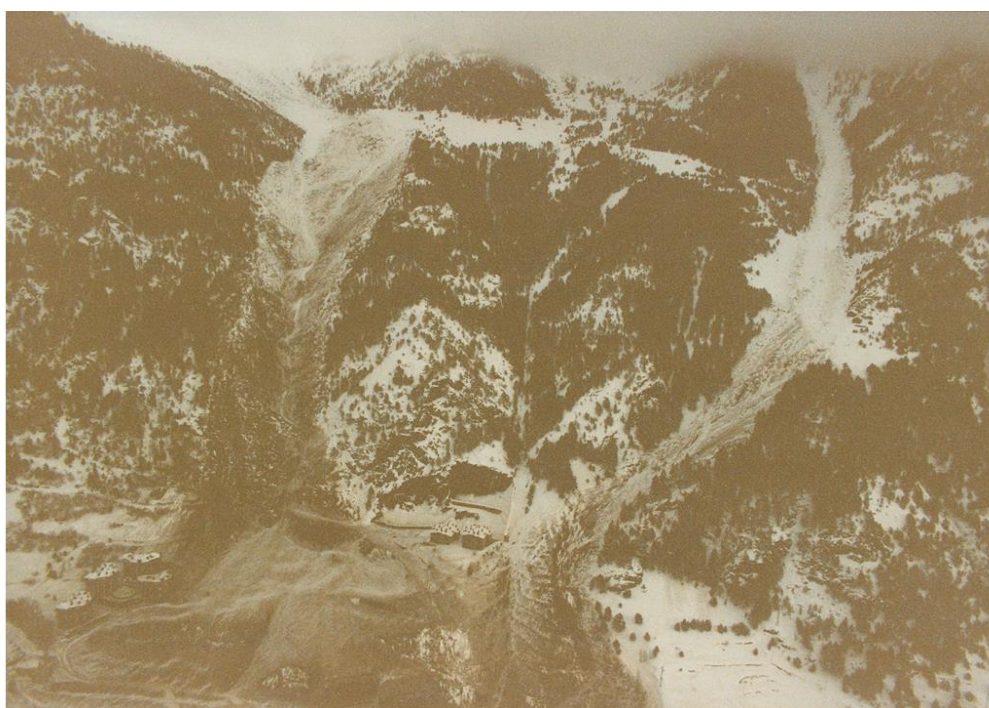


Figure S2. Helicopter view of the track and part of the run-out zones of the Les Fonts d'Arinsal and Percanela avalanches.



Figure S3. Helicopter view of the Les Fonts d'Arinsal avalanche run-out zone taken from above the track zone.



Figure S4. Helicopter view of the Les Fonts d'Arinsal avalanche run-out zone. Downstream Arinsal valley perspective.



Figure S5. Helicopter view of the Les Fonts d'Arinsal avalanche run-out zone. Detail of Prat Sobirans buildings.



Figure S6. Helicopter view of the Les Fonts d'Arinsal avalanche run-out zone. Closer detail of Prat Sobirans buildings.

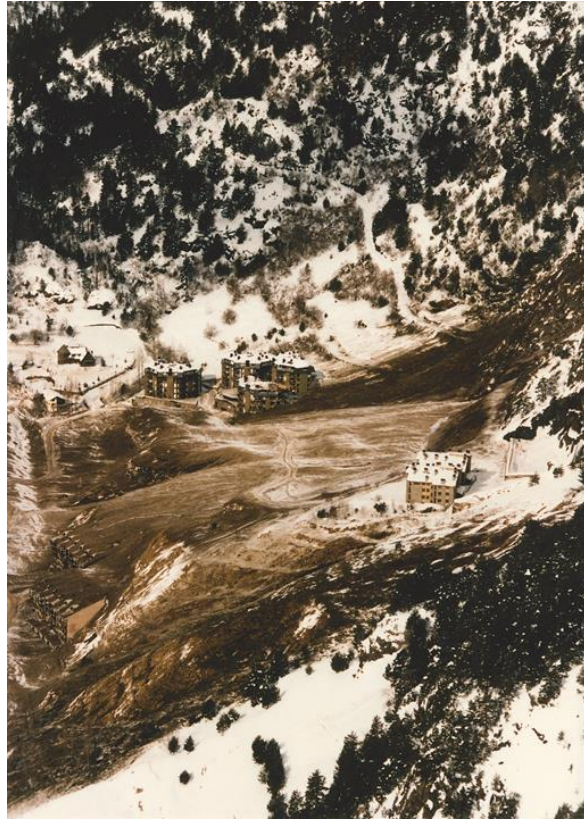


Figure S7. Helicopter view of the Les Fonts d'Arinsal avalanche run-out zone. Upstream Arinsal valley perspective.



Figure S8. Helicopter view of the Les Fonts d'Arinsal avalanche track zone. Downstream perspective.



Figure S9. Helicopter view of the Les Fonts d'Arinsal avalanche run-out zone. Detail of Amadeus buildings. Track zone in the background.

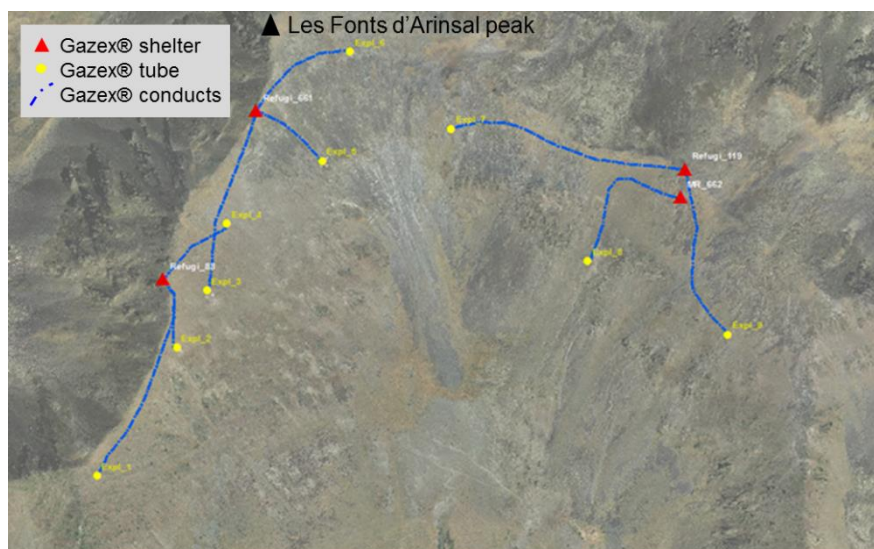


Figure S10. Gazex® system in the release zone of Les Fonts d'Arinsal avalanche path.

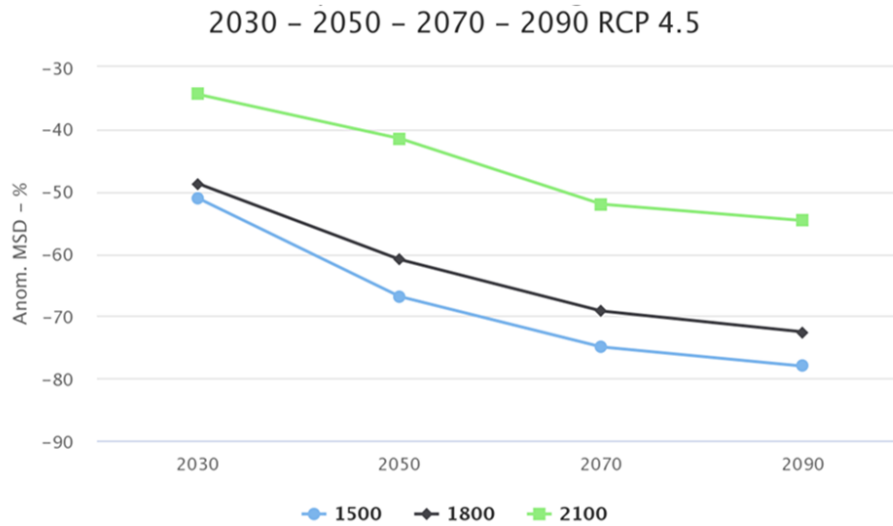


Figure S11. Anomaly respect to the reference period 1986–2005 of mean snow depth during the winter season for scenario RCP 4.5 (scenario including climate policies aiming to stabilize CO₂ concentrations) at near, mid-term and long-term horizon and different altitudes (1500, 1800, 2100 m). Results correspond to the median of the complete set of models of the ADAMONT2017 experiment (Verfaillie et al., 2017; <https://opcc-ctp.org/fr/geoportal>).



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