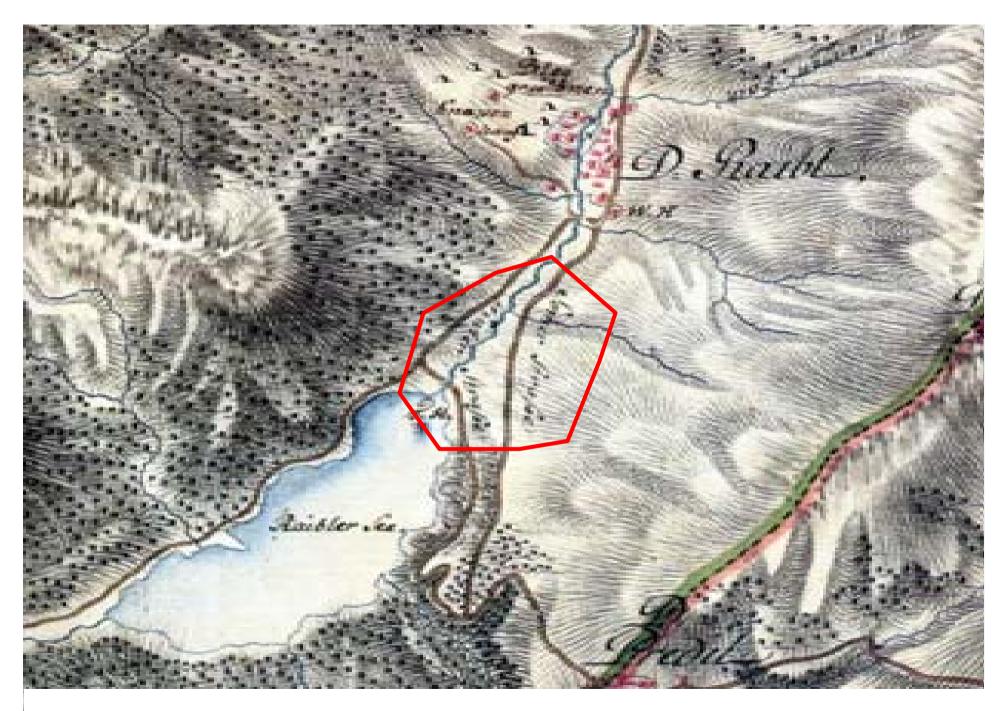


Slovenia is endangered by a number of natural disasters. Snow avalanches endanger only a small part of Slovenia's surface, but they are problematic because of their spatial and temporal unpredictability. Therefore an avalanche cadastre is a key regional planning instrument for definition of basic prevention measures in each mountainous area, especially its cartographical part.

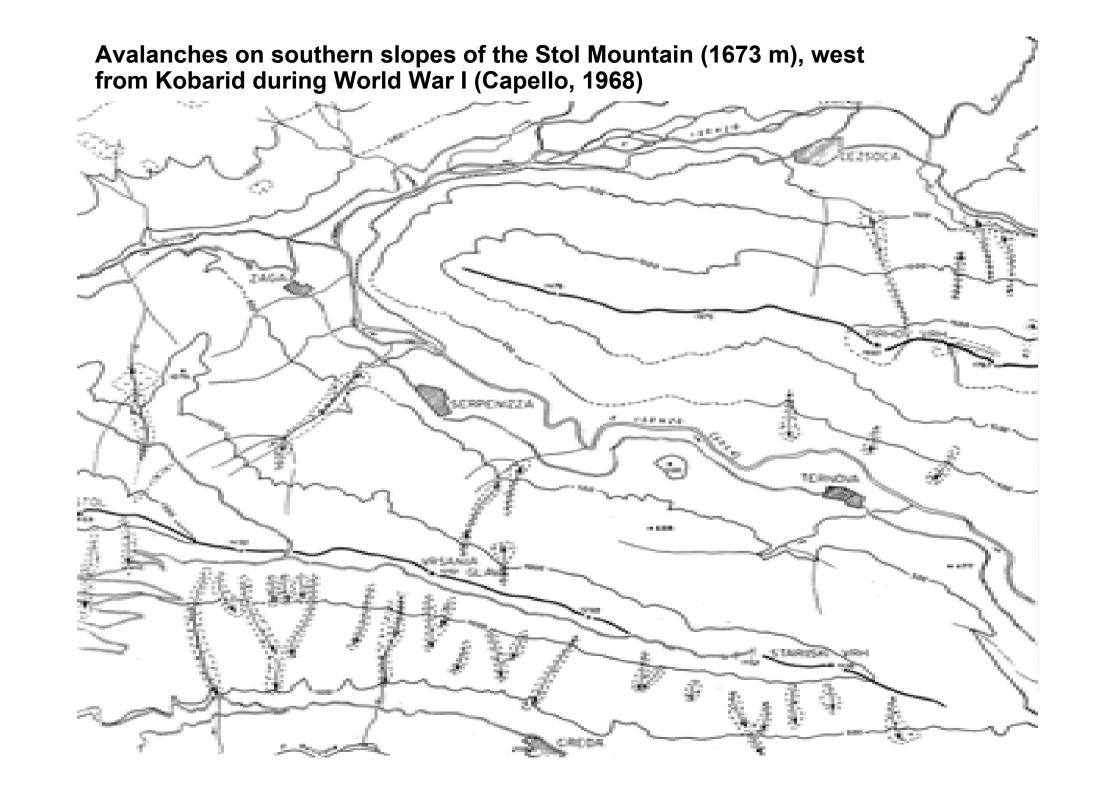
## **Avalanche cadastre basics**



- made in 1994
- 1257 avalanches endangered 0,5 % of Slovene surface
- 33 data for each avalanche
- emphasis on NW Slovenia, most avalanche prone part of a country and on critical avalanches in other parts



Old military map from the second half of the 18th century





The ruins of houses in Upper Borjana and the village Stržišče above Bača valley



Avalanche prone objects: local and main roads, power cables, ski resorts...

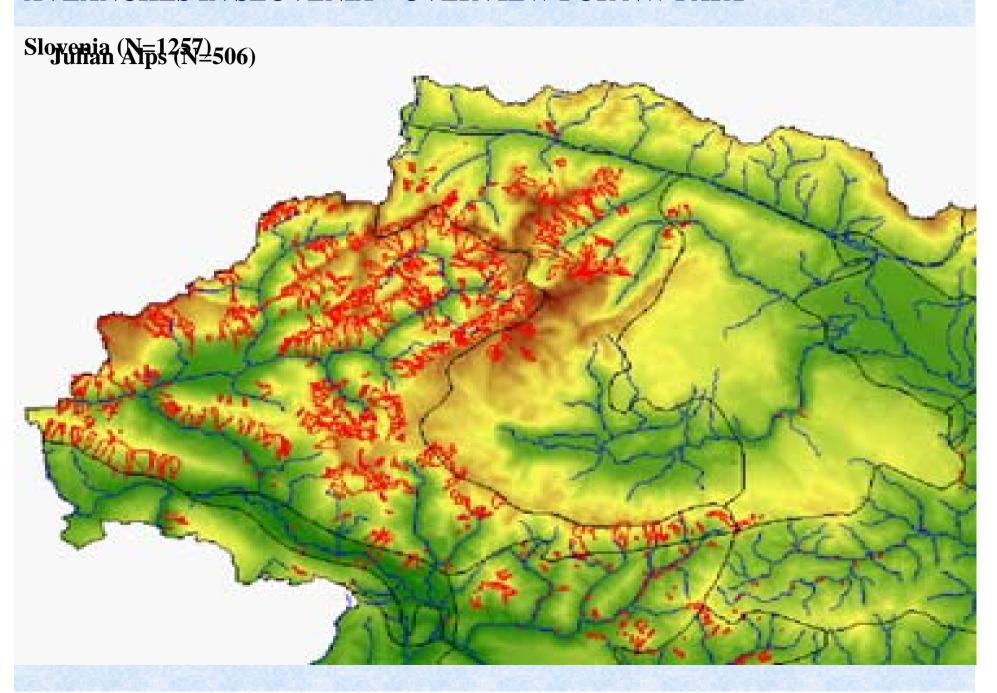


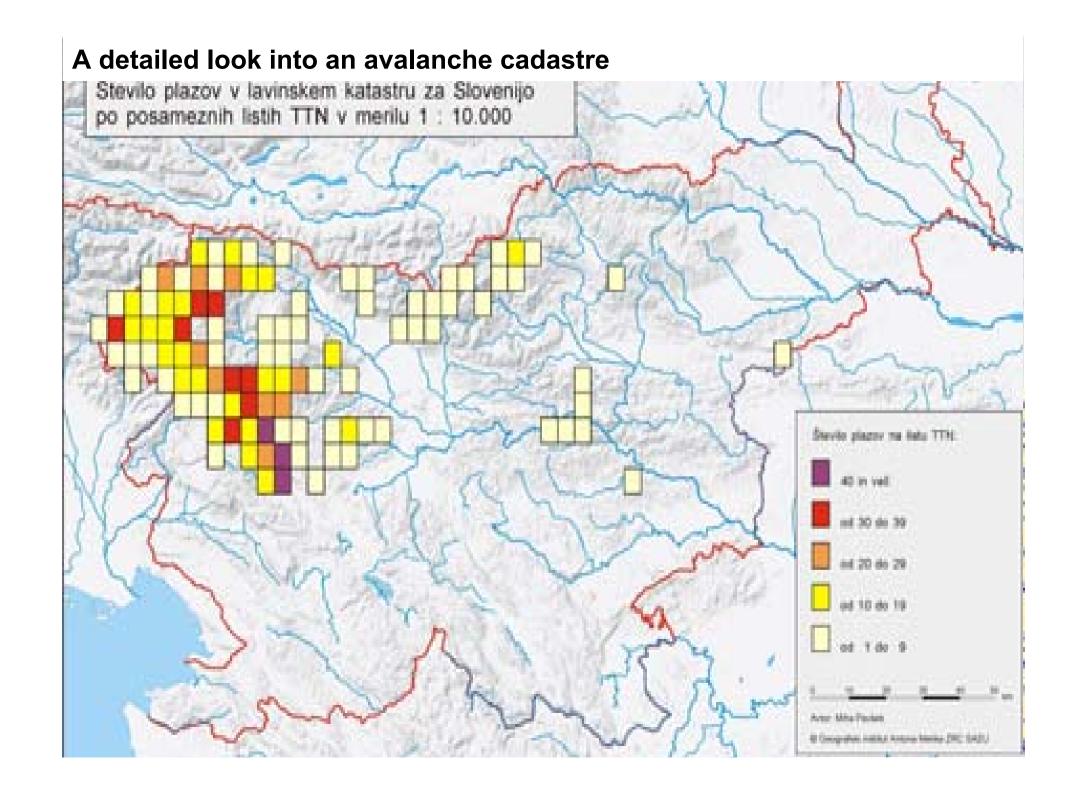
Forests - most endangered and at the same time most important for prevention (protection against snow erosion processes)



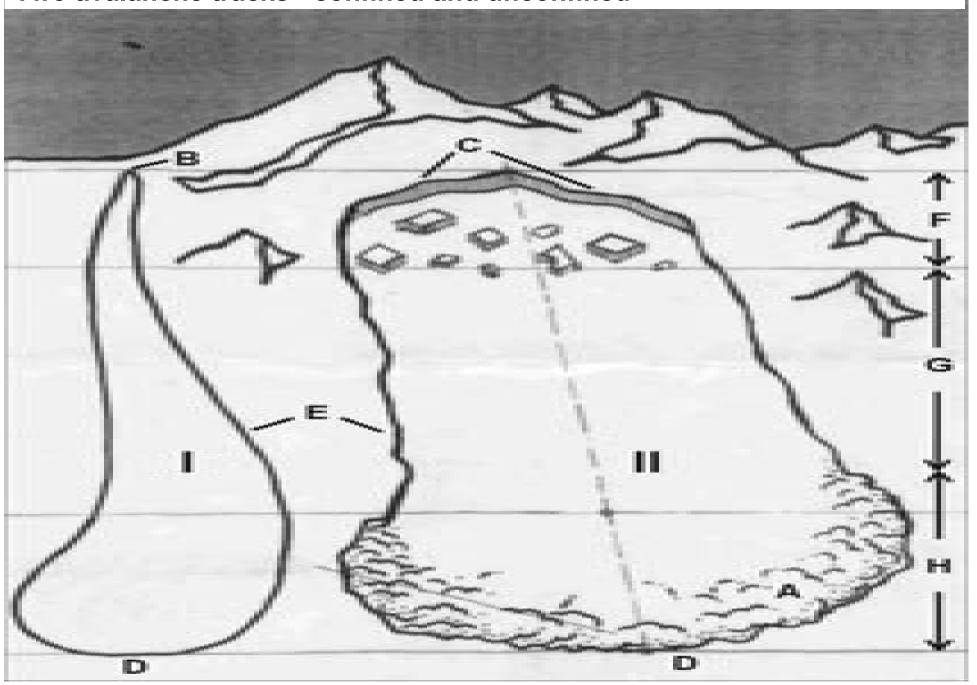
Yet we have to take into account the nature of phenomena, past and actual observations, surface characteristics as well as cartographical basis within the avalanche mapping. The risk assessment often concludes with avalanche hazard zoning maps. But we have to be very careful in its interpretation in correlation with prevention measures. We want to lay stress on some deficiency or even possible mistakes, particularly those one, connected with the topographical elements of the map, field work and interpretation.

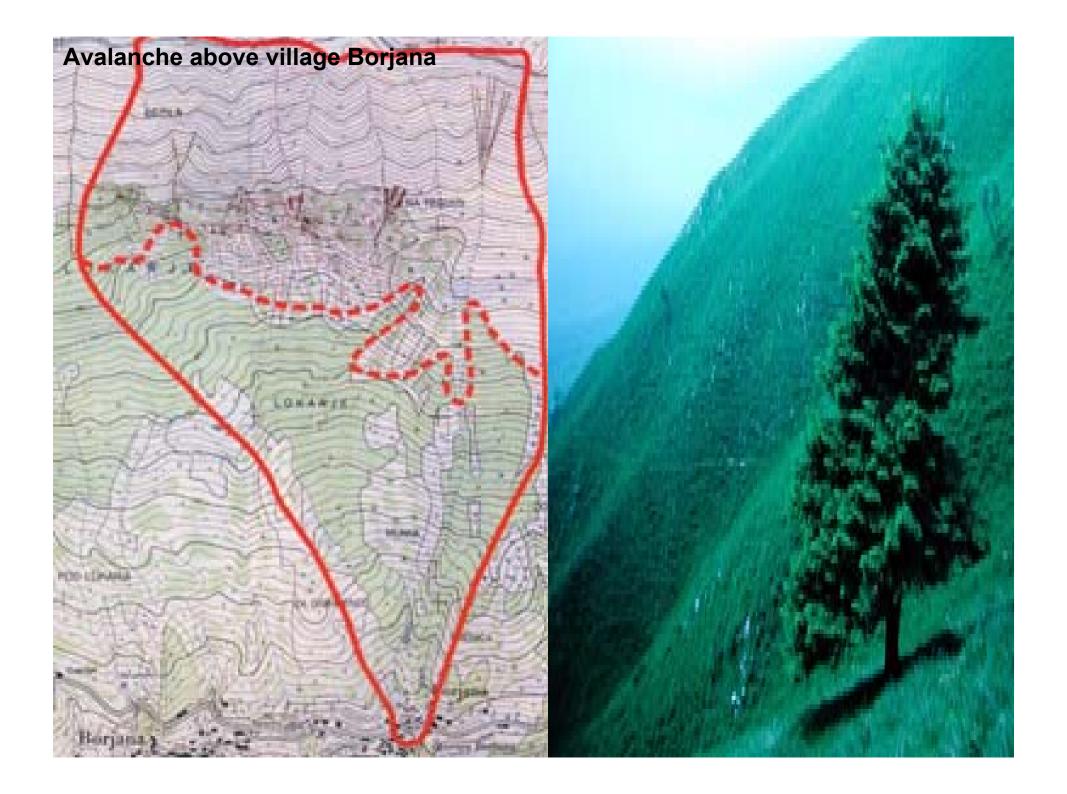
## AVLANCHES IN SLOVENIA – OVERVIEW FOR NW PART

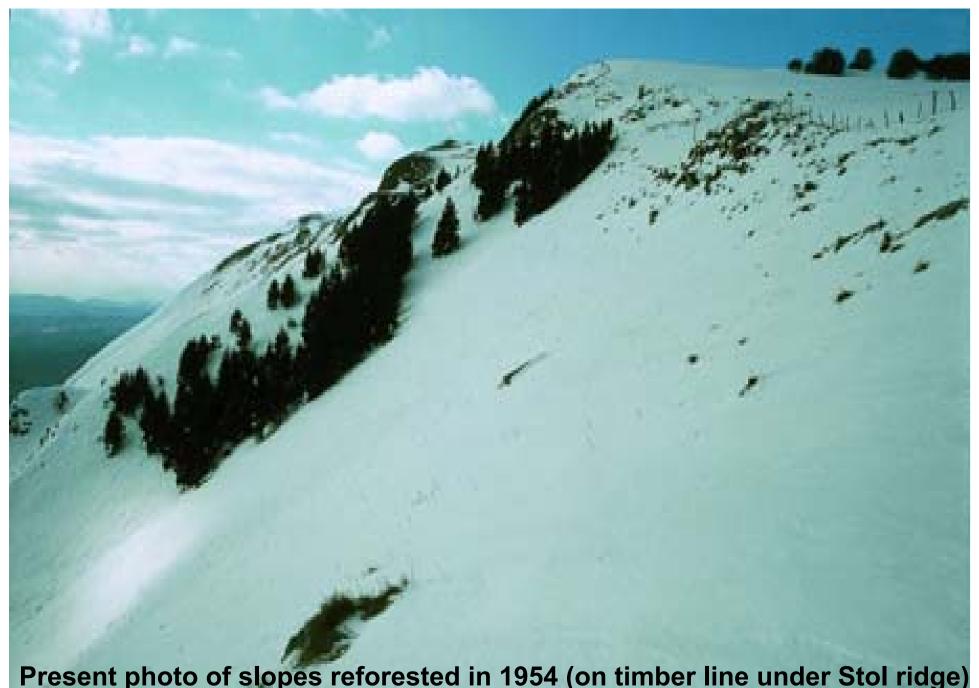




## Two avalanche tracks - confined and unconfined

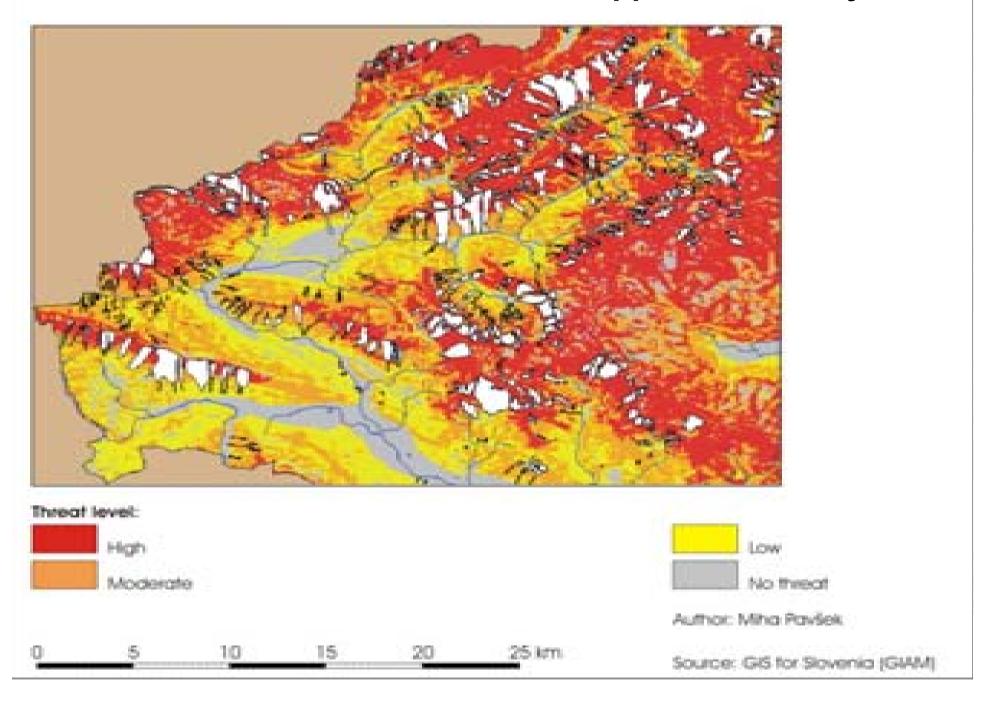


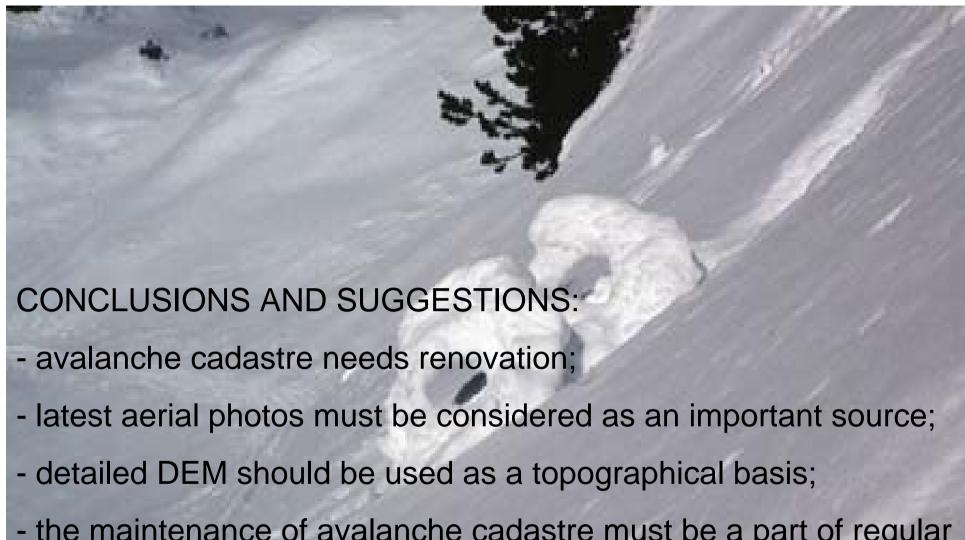




Present photo of slopes reforested in 1954 (on timber line under Stol ridge) shows unsatisfactory results

## Simulation of avalanche threat in the Upper Soča valley





- the maintenance of avalanche cadastre must be a part of regular work of adequate service (avalanche service);
- last winter confirms, that the avalanche problems are closer to inhabitants and visitors of Slovenian avalanche endangered areas than it is general belief about that.

