



## **EU Alpine Space Project PermaNet**

### **Permafrost Long-Term Monitoring Network (2008 – 2011)**

Lead partner: Autonomous Province of Bolzano - South Tyrol, Office for Geology and Building Materials Testing

### **Project summary**

Permafrost is highly sensitive to climatic changes. Permafrost degradation and related natural hazards affect traffic routes, tourism areas, settlements and infrastructures. The main problem is a lacking strategy for the consideration of these newly observed specific impacts of climate change in risk prevention and territorial development. With the joint development of a common strategy for dealing with permafrost and related hazards under changing climatic conditions and the creation of an Alpine-wide monitoring network the project aims at preventing natural hazards, at contributing to sustainable territorial development and at the implementation of good governance practices. Outputs are an Alpine-wide permafrost monitoring network, a permafrost map for the entire Alpine Space and guidelines for the consideration of permafrost in risk and water resources management. The project arises the awareness of decision-makers and responsible authorities to this topic and provides Alpine-wide decision bases and strategies.

<http://www.alpine-space.eu/>