



## **1. Research activity (max 1.000 words)**

The title of project is “A New Approach Combining Satellite And Terrestrial Data For The Analysis Of Slopes Stability In Glacial And Periglacial Environments”. The general retreat of glaciers activates a series of paraglacial processes, including the destabilization of eroded slopes previously supported by larger ice volumes (Chiarle et Mortana, 2008). The General Objective to this project is providing a hints to better understand the impact of the interglacial phase on the stability of the high mountain slopes in glacial and periglacial environments by means of remote sensing applications and methods. The Specific Objective is Tuning and refining integrated monitoring methods (o techniques) to study high-intensity gravitational events (e.g., massive rock slope failures) and assess the related hazard in glacial and periglacial environments, also by testing machine learning approaches.

## **2. Research products**

- a) Publications (ISI journals)
- b) Publications (NON ISI journals)
- c) Manuscripts (submitted, in press)
- d) Abstracts

**N.B. I dottorandi del primo anno al punto 1 possono inserire il riassunto del progetto di ricerca (max 1.000 parole)**