Projektnummer: ID 546
Projekttitel: „SaveLand simulations for different European regions using REMO“ (short: SaveLand)
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1. Begründung des Umfangs der geplanten Arbeiten aus wissenschaftlicher Sicht

The EU FP7 project SafeLand will develop generic quantitative risk assessment and management tools and strategies for landslides at local, regional, European and societal scales and establish the baseline for the risk associated with landslides in Europe, to improve our ability to forecast landslide hazard and detect hazard and risk zones. Dedicated REMO simulations at a very high resolution of 10 x 10 km² for the period 1951-2050 and for four selected areas within Europe: Southern Italy, the Alps, Southern Norway, and Romania. These high-resolution climate simulations will be used for an in-depth investigation of past and future extreme precipitation events in the selected areas. First a scenario simulation (period 1951-2050) for Southern Italy will be performed. Also, a validation run using the ERA Interim data, and some sensitivity experiments will be necessary.