

## Thesis topics

1. Relationship between throughfall patterns and soil moisture patterns at the plot scale in a forested pre-alpine catchment. [Available from now].
2. Spatio-temporal variability of throughfall at the small catchment scale in a forested pre-alpine environment. [Available from march 2014].
3. Analysis of stemflow on beech trees and its effect on water storage and catchment runoff in a forested pre-alpine environment. [Available from march 2014].
4. Application of a new hysteresis index for hydrological variables. [Available from now].
5. Analysis of water table and soil moisture dynamics in different landscape zones in an alpine catchment. [Available from now].
6. Impact of climate change on both glacier extent/volume and on runoff regime in the upper Adige river basin [Available from now].
7. Geomorphic processes and extreme precipitation in upland basins: an integrated analysis of flash floods and debris flows in various regions of Europe (France, Slovakia, Romania, Germany, Spain, Italy, Greece, Slovenia, Austria) [Available from now].
8. Modelling flash flood triggering processes in mountainous basins (upper Adige river basin) [Available from now].
9. Climate change impact on extreme precipitation and temperature in a mountainous area of Italy [Available from now].