



Laboratory of hydrologic and hydraulic risk management and applied geomorphology

M. R. Margiotta (1), A. Sole (1), F. Sdao (1)

1. Engineering Faculty, University of Basilicata, Potenza, Italy

The Engineering Faculty of University of Basilicata have higher-level course for students in the field of natural hazard, in particular in this course we organize a two connected examination arguments: Laboratory of hydrologic and hydraulic risk management and applied geomorphology. These course foresee the development and resolution of natural hazard problems through a real complex project . For example the examined problems has been, in previous academic years , “Possible alternatives to the Valda Dam Construction in order to safeguard the city of Trento from flood risk”; “ Flood risk analysis along urbanized areas of Gallitello Creek in southern Italy”; “Vajont: Landslide an flood risk for dam failure” , “ Sarno 5 may 1998 event : waterworks for protection and mitigation from mud flow risk“ etc..

During the development of arguments, the students participate to study visit in order to know the real situation of land use, land and river morphology, watershed characteristics, data collection and technical characteristics of water works etc. . . .

Periodically, students have meeting with teachers for verify the work in progress. These courses has been much appreciated from students that gave a good response in the satisfaction evaluation officially organized by Engineering Faculty.