

Do Amaral, Claudio P. (1996):

Escorregamentos no Rio de Janeiro: Inventário, Condicionantes Geológicas e Redução do Risco

Within the frame of the International Decade for Natural Disaster Reduction, the Local Landslide Inventory of Rio de Janeiro has been established and upon it an analysis of the correlation between the geologic features and landslide types and distribution. Statistical and GIS analysis and detailed geologic mapping revealed how tensional fracturing, structural pattern of rock massifs, granitic intrusions, garbage deposits, inversions in soil profiles, abrupt soil-rock transition and early earth flow deposits influence the triggering, typology and distribution of historic landslides. General knowledge on landslide processes led to the evaluation and review of past countermeasures against landslide disaster set down by local decision-makers. A concept of Landslide Disaster management has been introduced and suggestions to reducing landslide consequences are discussed.