

Standardization and availability of landslide information in Rio de Janeiro State, Brazil-MovMassa

PIMENTEL, J.; SILVA, F.L.M.; Da VINHA, C.A.G.; MAGALHÃES, A.A. and BARCELOS, A. Geological Survey of Brazil - CPRM, Rio de Janeiro, Brazil

The availability of information about landslides is of major importance to all society especially in Rio de Janeiro State where a great number of events associated to slope dynamics are annually responsible for great human and material damages. These occurrences are registered by specialized institutions and universities resulting in a great amount of information. This work proposes a standardization of the information contained in the technical reports and the creation of mechanisms that will generate a decentralized database, available to society. Thus the program MovMassa - Inventory of Mass Movement Occurrences, was developed with a structure that comprises the many aspects related to mass movements. MovMassa offers facilities for the input of the cadastral data as well as creates output files in table format that can be imported in Access and used in GIS. It also generates data in the HTML format, to make the information available through the Internet using Z39.50 protocol establishing relationships between the many institutions that generate the information, in a *Clearinghouse* structure. Today the landslide database contains more than 1000 occurrences recorded through partnerships with EMOP- State Geotechnical Department and PUC-RIO The Catholic University of Rio de Janeiro.