

ITALIAN LANDSLIDES INVENTORY PROJECT: AIMS AND PRELIMINARY RESULTS

1AMANTI M., 1VENTURA R. 1 Italian Geological Survey, Roma, Italy.

The main purpose of the Project, carried on by Italian Geological Survey (IGS) together with the Regional Geological Surveys, is to map all the landslides related data already existing in Italy, in particular the ones collected by the Regional Administrations. To reach this objective it is necessary to validate, homogenize and integrate the data that will be stored in a database related to a GIS. The database will be realized according to the guidelines published by the IGS and GNDICI-CNR with some simple integration. The data related to landslides will be differently detailed, according to the existing knowledge about phenomena, their extension, the survey scale and the interaction with the human environment. There will be three detail levels; the first one will be compulsory and common to all the entries; it will contain the minimum required information about the phenomena (location, type of movement, source). The other two levels will show an increasing knowledge coming from direct survey on the field (second level) and more detailed studies and tests on the landslide (third level). The referring point of each landslide (identified with geographic coordinates) will be the higher (above sea level) point of its crown; nevertheless all the landslides will be represented (if possible on a 1:25.000 scale map), as a polygon. The final database will be one of the instruments that the IGS could use to better know the national territory and to evaluate, together with other geological and socio-economical data, the hazard and risk areas at regional scale.