IFFI LANDSLIDE INVENTORY AND SUSCEPTIBILITY MAP AT NATIONAL SCALE

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Experts meeting on harmonised landslide susceptibility mapping for Europe
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LANDSLIDE SUSCEPTIBILITY MAP AT NATIONAL SCALE

Objectives:

- Implementation of susceptibility models (Statistical methods, Neural Networks)
- Landslide susceptibility map at national scale (1:1,000,000)

Partners:

- ISPRA
- University of Milano-Bicocca
- University of Florence
- University of Rome “La Sapienza”

Start date: April 2010
End date: April 2011
More than 485,000 landslides which affect an area of 20,700 km² (6.9% of Italy).

Slope angle derived from a 20x20 m resolution DTM.
Lithological map derived from existing Geological Map at 1:500,000 scale (Italian Geological Survey) by grouping the 128 geological units into 13 lithological units.