Appendix A3 – Acronyms

Acronym	Explanation
AD	An abbreviation for "Anno Domini" in Latin or "the year of the Lord" in English. Also listed as CE stands for "Common Era".
ADT	Average Daily Traffic.
ANAS	The Italian National Road Company (*http://www.anas.it*).
ANN	Artificial neural network.
API	Air Photo Interpretation or Aerial Photograph Interpretation.
ASCE	American Society of Civil Engineers (*http://www.asce.org*).
AVI	Aree Italiane Vulnerate da Frane e da Inondazioni, Areas affected by landslides and floods in Italy. An archive inventory for Italy (*Guzzetti et al., 1994*)
AVR	Average Vehicle Risk (*Pierson et al., 1990*).
BC	Before Christ.
CDF	Cumulative Density Function.
CERN	Committee on Environment and National Resources, USA.
CNR	Consiglio Nazionale delle Ricerche, National Research Council of Italy (*http://www.cnr.it*).
DA	Discriminant Analysis.
DBMS	Database Management System.
DEM	Digital Elevation Model.
DInSAR	Differential Interferometric Synthetic Aperture Radar.
DTM	Digital Terrain Model.

Acronym	Explanation
ESA	European Space Agency (*http://www.esa.int*).
FEMA	Federal Emergency Management Agency (*http://www.fema.gov*).
GCM	Global Circulation Model.
GI	Geographical Information.
GIS	Geographical Information System.
GNDCI	Gruppo Nazionale per la Difesa dalle Catastrofi Idrogeologiche, of the National Research Council of Italy (*http://www.gndci.cnr.it*).
IAEG	International Association Engineering Geologists.
IDNDR	International Decade for Natural Disasters Reduction, of the United Nations.
IGMI	Istituto Geografico Militare Italiano, Italian Military Geographic Institute (*http://www.igmi.org*).
ILRG	International Landslide Research Group (*http://ilrg.gndci.cnr.it*).
IPCC	Intergovernmental Panel on Climate Change (*http://www.ipcc.ch*).
IRPI	Istituto di Ricerca per la Protezione Idrogeologica. Research Institute for Geo-Hydrological Protection, of the Italian National Research Council, (*http://www.irpi.cnr.it*).
ISRM	International Society of Rock Mechanics.
ISSMGE	International Society of Soil Mechanics and Geotechnical Engineering.
ISTAT	Istituto Nazionale di Statistica, the Italian Census Bureau (*http://www.istat.it*).
LHI	Landslide hazard index (*van Westen, 1997*).
LHZ	Landslide hazard zone (*Cardinali et al., 2002b*).
LNRF	Landslide Nominal Risk Factor (*Gupta and Joshi, 1990*).
LRA	Logistic Regression Analysis
LSI	Landslide Susceptibility Index (*Sarkar et al., 1995*).
MCMC	Markov Chain Monte Carlo.
MCS	Mercalli Cancani Sieberg scale for earthquake intensity.
MR	Mortality Rate.
NASA	National Atmospheric and Space Administration (*http://www.nasa.gov*).
NSTC	National Science and Technology Council, USA.

Acronym	Explanation
PCA	Principal Component Analysis.
PDF	Probability Density Function.
PMF	Probability Mass Function.
PSHA	Probabilistic Seismic Hazard Analysis.
QLRA	Quantitative Landslide Risk analysis.
QLRA	Qualitative Landslide Risk analysis.
SAR	Synthetic Aperture Radar.
SDFC	Standardized Discriminant Function Coefficient.
SEJ	Structured Expert Judgment.
SICI	Sistema Informativo sulle Catastrofi Idrogeologiche, Information System on Geo-Hydrological Catastrophes in Italy. (*http://www.irpi.cnr.it, Guzzetti and Tonelli, 2004*).
SOC	Self Organized Criticality (*Back et al., 1992*).
SPI	Surface Percentage Index (*Uromeihy and Mahdvifar, 2000*).
SRTM	Shuttle Radar Topography Mission, of NASA.
SS	Strada Statale, State Road.
TIN	Triangular Irregular Network.
TMU	Terrain Mapping Unit.
UCU	Unique Condition Unit.
UNDRO	United Nations Disaster Relief Organization (*http://ochaonline.un.org/*).
UNESCO	United Nations Educational, Scientific and Cultural Organization (*http://www.unesco.org*).
USGS	United States Geological Survey (*http://www.usgs.gov*).
VEI	Volcanic Explosivity Index.
WLI	World Landslide Inventory.
WP/WLI	International Geotechnical societies' UNESCO Working Party on World Landslide Inventory.