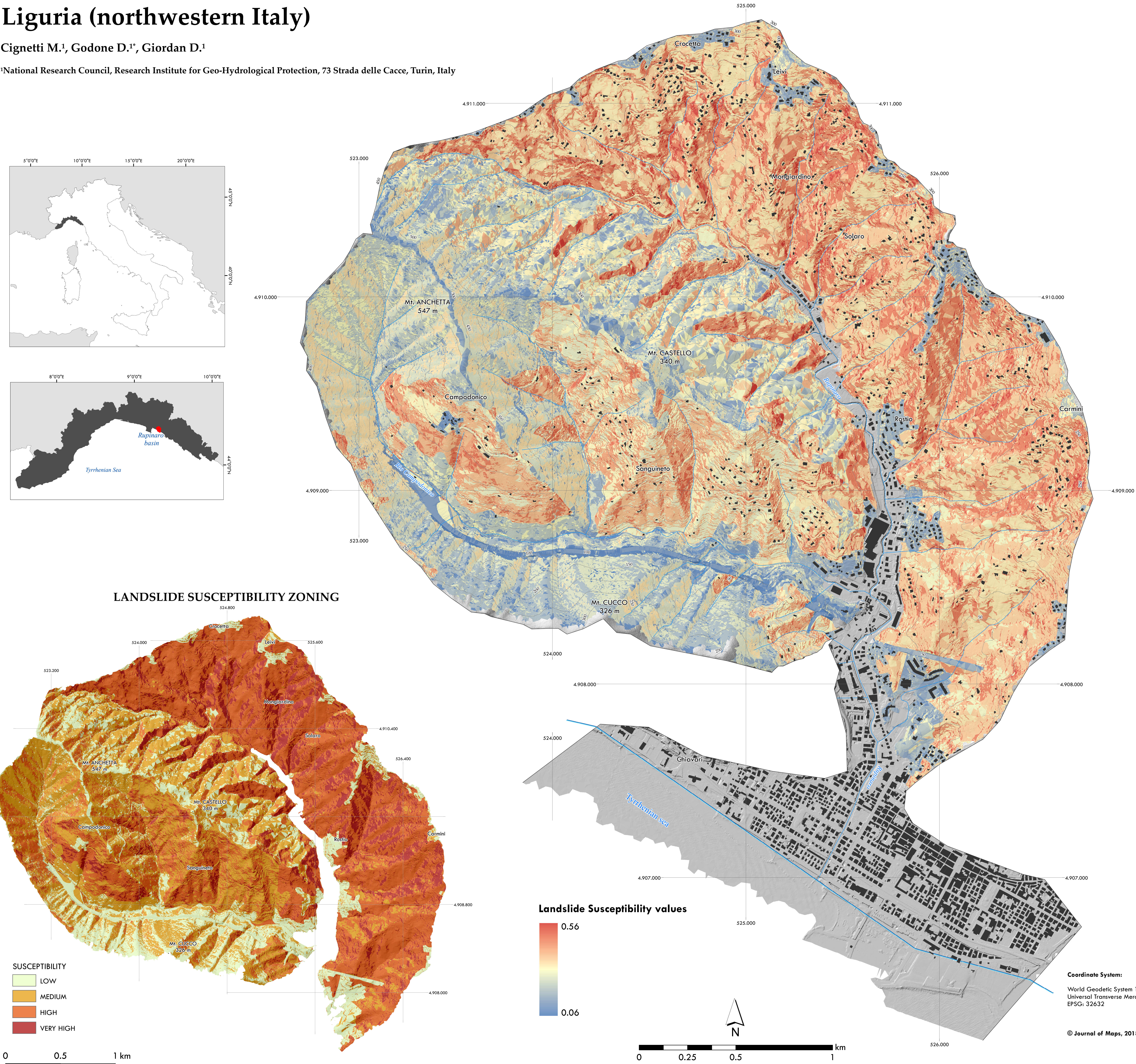
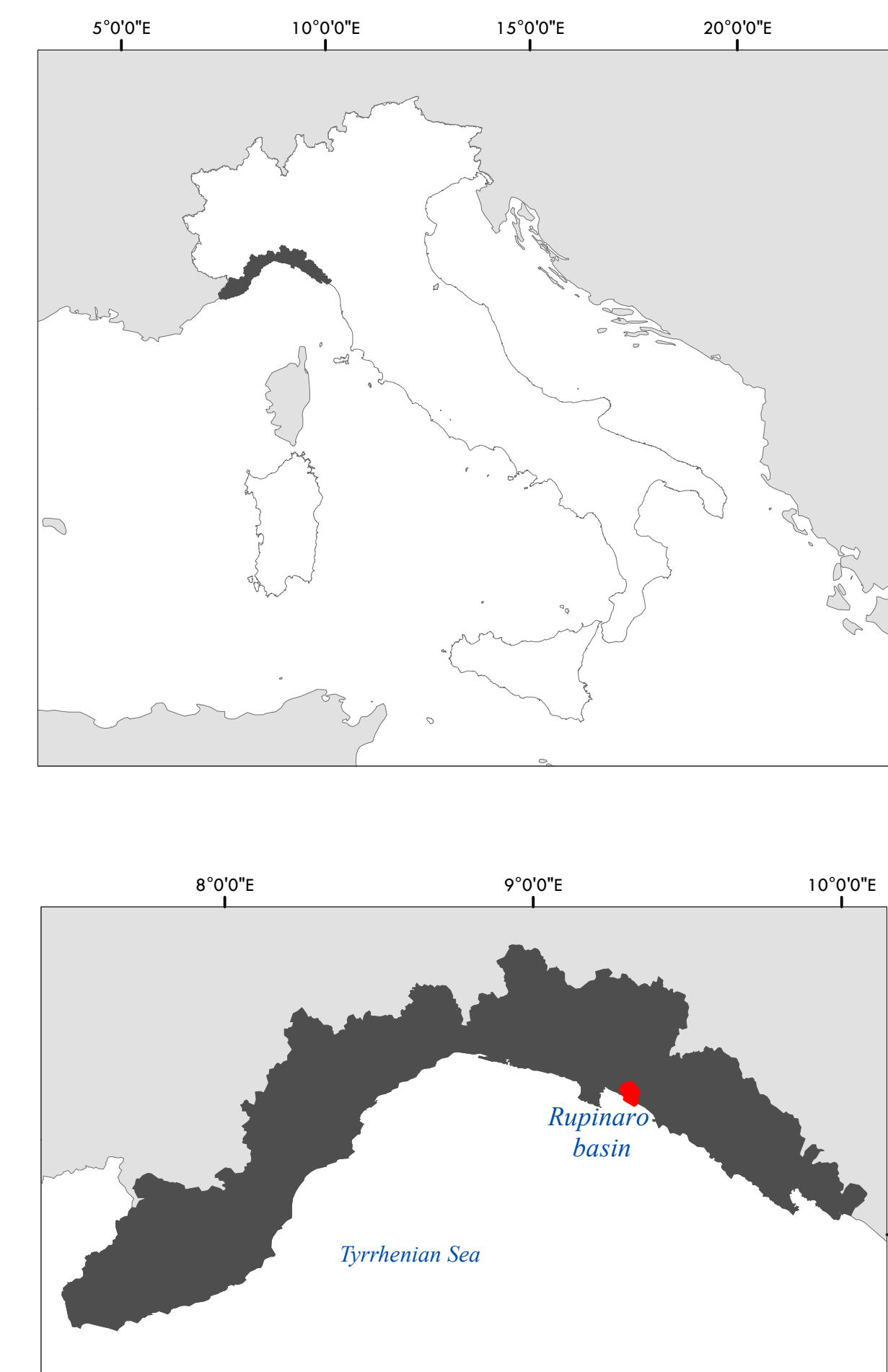


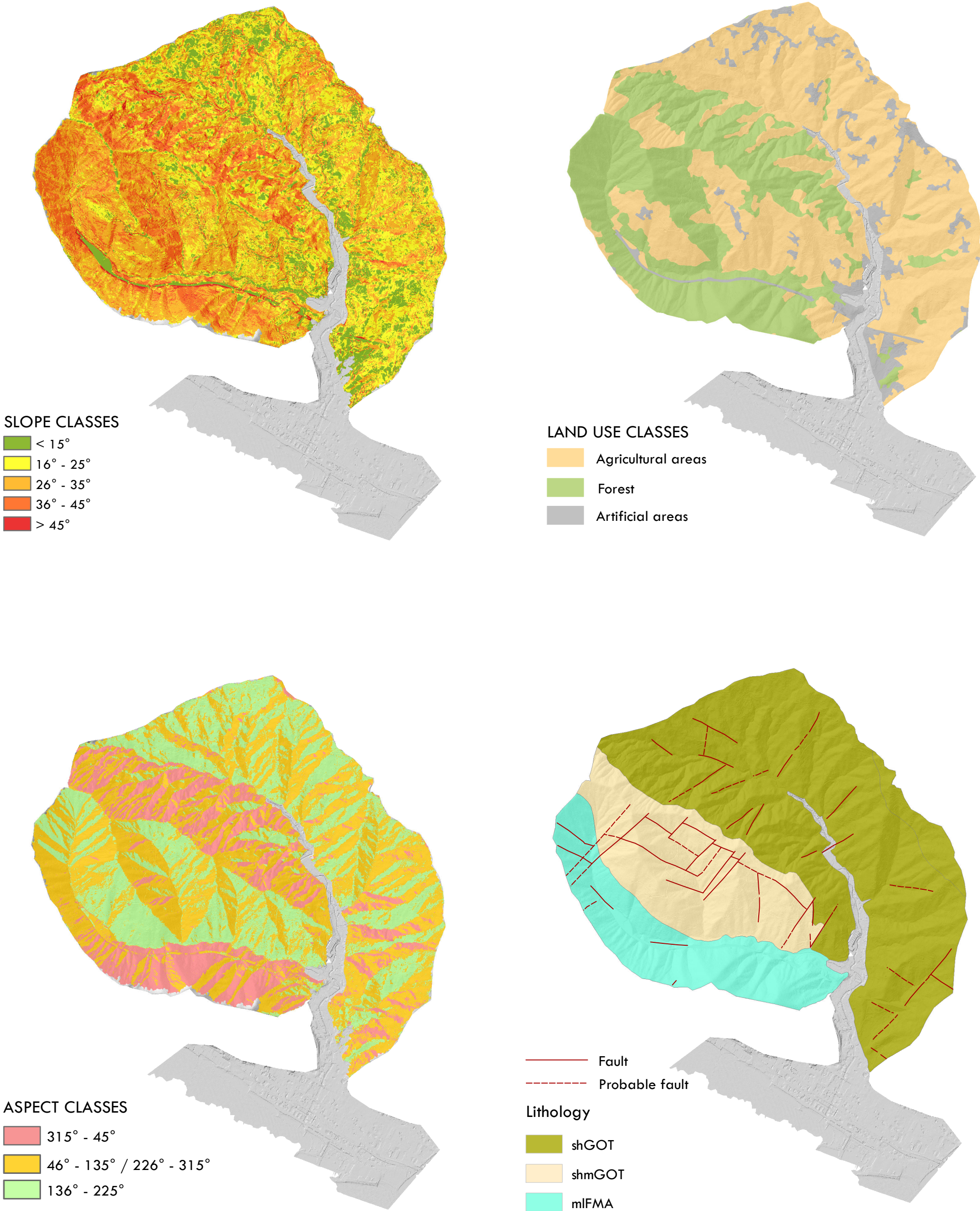
Shallow Landslide Susceptibility Map of the Rupinaro catchment, Liguria (northwestern Italy)

Cignetti M.¹, Godone D.^{1*}, Giordan D.¹

¹National Research Council, Research Institute for Geo-Hydrological Protection, 73 Strada delle Cacce, Turin, Italy



CAUSAL FACTORS



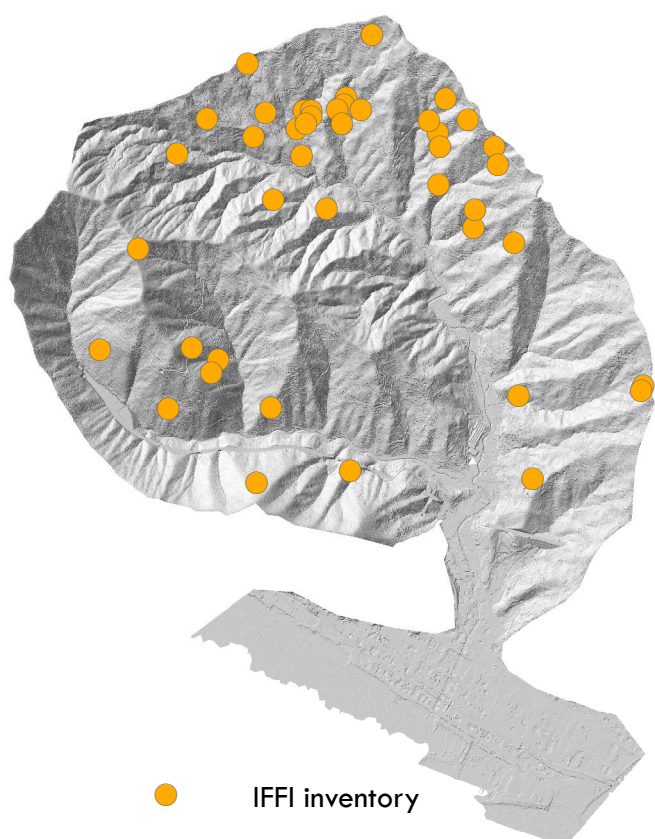
GRID RE-CLASSIFICATION

GRID CONVERSION and RE-CLASSIFICATION

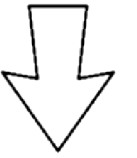


ANALYTIC HIERARCHY PROCESS

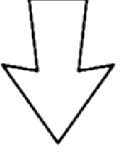
FREQUENCY ANALYSIS



NUMERICAL VALUES ASSIGNMENT



CONVERSION TO GRID and RECLASSIFICATION

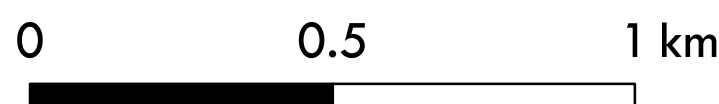
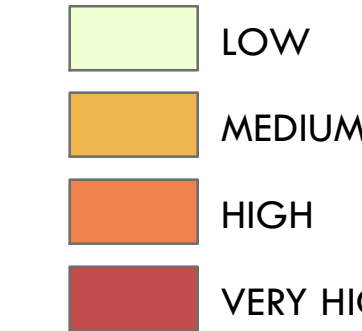


EIGENVECTOR BASED on WEIGHT of FACTORS ASSIGNMENT

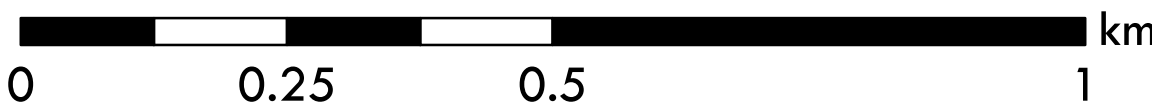
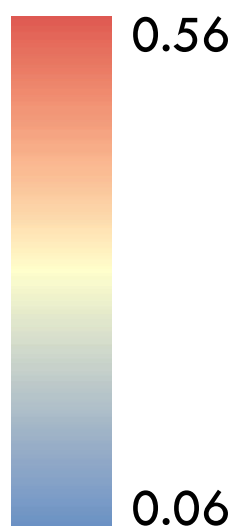


LANDSLIDE SUSCEPTIBILITY MAP

SUSCEPTIBILITY



Landslide Susceptibility values



Coordinate System:

World Geodetic System 1984
Universal Transverse Mercator, Zone 32N
EPSG: 32632

© Journal of Maps, 2018

Base map:

© OpenStreetMap contributors, CC BY-SA

IFFI Catalogue:

IFFI Catalogue
National Landslides Inventory
Format: shape file

Digital Terrain Model

Lidar survey by: CNR-IRPI, Turin
Founded by: Liguria Region
Sensor: RIEGL LMS-Q680I
Survey date: January 2015
DTM cellsize: 25 cm
Horizontal Datum: ETRF2000 UTM Zone 32 N
Vertical Datum: EGM2008

Land Use:

Online resource from
Geoportal Liguria Region
Land Use Map 2015 - Scale 1:10.000
Format: shape file

Lithology:

Online resource from
River basin management plan
Ambito 16
Geolithologic Map - Scale 1:10.000
Format: raster