

Honors thesis

Master in Architecture Heritage Preservation and Enhancement

Abstract

FORGOTTEN Genesis and oblivion of the Strada dei Cannoni in the Maira valley.

Cognitive process through historical sources, GIS-integrated cartography and expeditious photogrammetry

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Despite what we're used to believe and see today, in the past centuries mountain territories were not isolated areas: on the contrary, they were crossed by a dense network of 'roads', paths and muletracks that connected valleys way more effectively than the roads on the valley floor. A 'slow' infrastructure, almost invisible but widespread, which for centuries has been the backbone of communications, trades and above all cultural contamination among the Piedmontese valleys and those beyond the Alps.

These paths also have a strategic importance, since they were used as invasion routes or for the deployment of troops and artillery.

One of these is the so-called 'Strada dei Cannoni' (Cannons' Path), built in the Maira valley in 1744 during the War of the Austrian Succession. This entrenchment road, which connects the Savoy defensive positions of the Varaita valley with those of the Stura di Demonte through the Maira valley, was specifically designed to quickly deploy men and artillery between the ridges of these valleys.

Its peculiarity lies also in being a communication path transversal to the valley's ridges, complementary to the more well-known routes that run longitudinally through the valleys.

The thesis aims to investigate its chronology, map its route and check its current conditions by combining historical and cartographic research, on-site 3D surveys and GIS tools.

The study of the path, aiming to a future enhancement, reprensents also a chance to apply low-cost rapid mapping Geomatic techniques, such as expeditious photogrammetry, and to verify whether and how it's possible to obtain a digital model of the path using rapid mapping, image and range-based systems.

Ricerca, analisi e catologazione delle fonti d'archivio inerenti la Strada dei Cannoni e la Guerra di Successione austriaca Comparazione della cartografia storica (XVIII-XIX-XX sec.) e odierna / immagini multispettrali della Val Maira Elaborazione delle fonti cartografiche su OIS

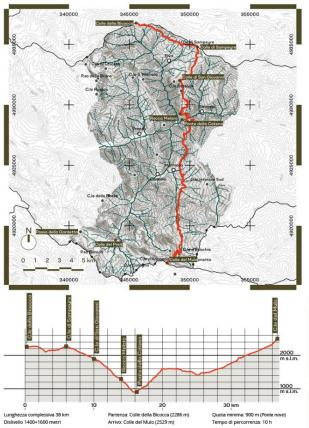




Processo conoscitivo tra fonti storiche, cartografia integrata da strumenti GIS e fotogrammetria speditiva.

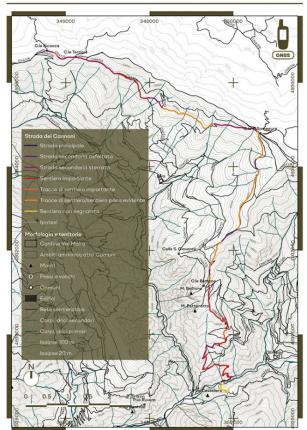
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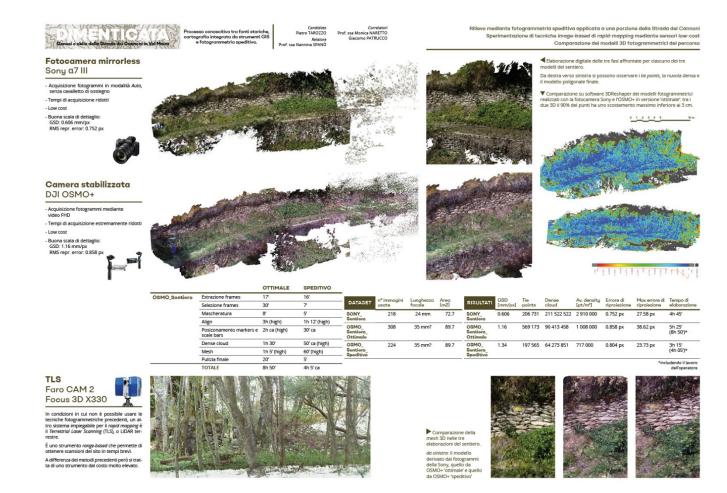
Genesi e ragioni strategiche della Strada dei Canr dei tracciato su GIS – Rillevo diretto 3D mediante Gi



◀ Tracciato e profilo altimetrico della Strada dei Cannoni attraverso la Val Maira. Sono identificati i

Sono identificati i siti trincerati e le posizioni difensive realizzate dalle truppe sabaude tra il 1742 e il 1744 contro le colonne galloispane.





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