



Castle of Gerace. Integrated survey at the study and conservation of architectural-archaeological heritage.

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The research, funded by CNR, suggests the creation of a corpus of data aiming at the rediscovery of the castle of Gerace (RC) and its links to the territory. The aim of the research is to establish a sampling of documents, materials, techniques and ideas, representing the "matter" of the monument. The final aim of the contribution is to safeguard and increase the value of the heritage, to realize the territory's potentialities that risk to get lost or to be "unexpressed" for the physical decadence of the castle.

The study, starting from a historical-archive research, has dealt with the analysis of materials and the phenomena of deterioration. as well as using the most common instruments of survey and mapping, GPS stations integrated with Laser Scanner have been used. The acquisition of orthophotos has allowed to underline many characters of the site, making possible to identify a wider range of anthropic anomalies; the 3-d modelling with laser scanner survey has permitted a global investigation of the area. The final elaboration of data will allow to examine several information layers especially those related to archaeological evidences, anthropic anomalies, landslide front and the risk of rock stability.