

## **NUOVE FRONTIERE PER LA CONOSCENZA. IL RILIEVO DEL PARCO DEL COMPLESSO DEL CASTELLO DUCALE DI AGLIÈ (TO.)**

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### **ABSTRACT**

The complex of the ducal castle of Agliè is part of *Corona di Delizie* located radially around the center of command Turin; rises in the second half of the seventeenth century and is included in the *Residences of the Royal House of Savoy* serial site, which was registered in 1997 at the WHL UNESCO.

The need for a restoration work of the park has addressed the 2016-18 programming of the Polo Museale del Piemonte of the MiBACT (L 190/2014).

A historic park is a complex system and the knowledge behind the restoration project has to go through the examination of the framework and the ability to provide designers with a complete work tool. This results in the articulation of work, through a comparison of the various skills during the survey operations, which comes to determine the situation. In order to deepen the knowledge of the artifacts, it was done a geo-referenced instrumental survey of the park was carried out, whose territorial scale imposed the use of modern technologies, to which an applicable database was reported. The first indispensable process was a very large scale garden plan (resolution a couple of cm to the ground) and its surface model (DSM) derived from a low-altitude flight using a fixed wing drone with topographical support. To this work a database of the results of the various disciplinary contributions has been linked to a single information system, resulting from the interdisciplinary work and the starting point of the restoration project.

**Key-words: Park, relief, new technologies, interdisciplinarity, drone**