

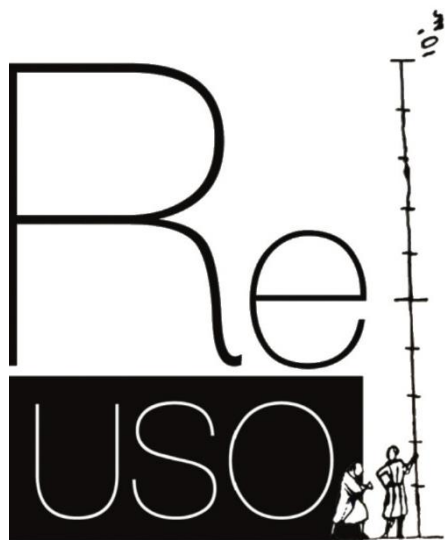


Documentation, Restoration and Reuse of Heritage

2-4 November 2022
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The Monastery of Sant Miquel d'Escornalbou (Tarragona, Spain): multidisciplinary research for the understanding of the relation between the religious complex, the territory and the European Franciscan network

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This work is part of the wide-ranging European project “Franciscan Landscapes. The Observance between Italy, Portugal and Spain”, known as F-ATLAS (<https://www.f-atlas.eu/>). The project, coordinated by the University of Florence, with the co-participation of the University of Barcelona, the Portuguese Catholic University and the University of Lisbon (ISCTE-IUL), aims to significantly contribute to the promotion and study of the rich legacy of the Franciscan Observance in Europe, paying particular attention to its architectural heritage. With this purpose, the University of Barcelona team has catalogued and geo-referenced with GIS a total of 640 Observant convents documented in the territory of current Spain. This work has allowed mapping the implementation process of the Observance from the first foundations - of the end of the XIV century - until the exclaustation of the middle XIX century. The study of this large number of geo-referenced data allowed discerning the existence of several models of monastic implantation. Between the convents whose origin is not related to the Observant order, stands out for its monumentality and rich history the case of Sant Miquel d'Escornalbou (Baix Camp, Tarragona). The historical, architectural and patrimonial study of this last and interesting centre of medieval spirituality has been developed jointly by the Italian and Spanish teams of the project. Nowadays, from the original monastic building, only a few structures have been well preserved: the Romanesque church of Sant Miquel and a part of the cloister, as well as the al chapter house, located in the east wing of the cloister and the sacristy, adjacent to the apse of the church [2]. The monastic complex also has a set of caves and hermitages, which offered the monks both a physical and spiritual path, whose transit allowed them to develop an inner search, meditative and individual. This double spacial configuration - the main buildings and the caves or hermitages - is analogous to other Observant monasteries of medieval and modern times. The current appearance of the monastery of Sant Miquel d'Escornalbou is due to the diplomat and egyptologist Eduard Toda (1855-1941), who invested a part of his fortune in buying this place. The monastery was, in fact, restored and transformed into a residence, gathering inside a rich library, furniture and other collections that are still partially preserved. Nowadays is not easy to distinguish between medieval and modern stages and the events of the last contemporary centuries, including Toda's reconstruction. In November 2021, was carried out a digital survey campaign to obtain complete documentation of the monastery. The campaign included the integration of

different methodologies such as the laser-scanner survey, with the use of Lidar devices (Light Detection and Ranging) as terrestrial laser scanners, and the SfM (Structure from Motion) photogrammetric survey, which involved the use of photographic devices such as digital cameras and drones. The digital survey aims to understand the evolutionary phases, the state of conservation of the buildings, the interpretation of the parts to be preserved and the development of intervention guidelines [3]. The accuracy of the drawings in describing the walls and vaulted structures is essential to check the walls' axiality and the presence of deformations and to interpret and understand the state of conservation of the complex [1]. The final objective of the F-ATLAS project is to develop, starting from the data acquired during the digital survey campaign, the archival research and the existing routes, new cultural itineraries exploiting cultural and sustainable tourism systems. These itineraries exploit the advantages of digital technologies to create a network between Italy, Spain and Portugal, which connects the places of the Franciscan Observance from a cultural, historical and landscape point of view. Based on the in-depth analysis, the Monastery of San Miguel d'Escornalbou shows three possible levels of redevelopment. First, the complete restoration of the caves and the museumisation of the route, characterised by the agricultural system, the water sources, and the surrounding boundary walls. The second intervention strategy focuses on the church of San Miquel, which, adequately consolidated, can be re-functionalized and become an auditorium or a space dedicated to exhibitions. The third level is that of the manor house, heavily altered by the restorations and reconstructions during the twentieth century, which can host a museum system to rediscover the history of the settlement and its link with the territory and the surroundings.



Figure 1: The Monastery of Sant Miquel d'Escornalbou (Baix Camp, Tarragona).

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