



**Doctoral Thesis Title:** Geolocation of land registry properties by means of genealogical and geodemographic studies at municipal scale.

**Supervisor/s:** Fernando Buchón Moragues

**Abstract:** The geographic location of land registry properties in Spain has been a difficult task throughout our history due to the existing dual system of land administration and management. The professional work of the land surveyor for decades has been to locate and delimit the farms or plots according to Cadastre, Land Registry and urban planning to provide legal certainty in real estate. All this has been done on an individual ad-hoc basis for each demarcation problem that has arisen due to particular interests, but it has not been dealt with at a global or administrative level, for example at a municipal level, as proposed in this project.

Therefore, the objective of this doctoral thesis is based on the definition of a methodology for the joint geolocation of registered properties, in a municipality of Albacete called Jorquera as a case study, from descriptive boundaries provided by the Land Registry, cadastral information, such as current and old maps and lists of cadastral owners, and population information acquired in the Civil Registry and in the municipal and parish archives. This population information will allow in-depth genealogical and geodemographic studies that are expected to provide a novel and relevant utility in land geolocation and administration.

Thanks to the research and subsequent joint analysis of all this information, as well as the execution of the required geomatic tasks, it will be possible to capture in a accessible web geoportal the genealogy of the land registry properties of the municipality, that is to say, the temporal, geometric and registry ownership evolution of them, thus providing an innovative solution to the current problem exposed.

**Available Means:** Most of the associated costs will be covered by the author of the thesis, although other sources of funding are being sought. If necessary, the equipment and instruments of the Department of Cartographic Engineering, Geodesy and Photogrammetry will be used. There is also close collaboration with the City Council of Jorquera (Albacete) and the support of the COIGT, the General Directorate of Legal Security and Public Faith, the General Directorate of Cadastre and other official national and international organizations and institutions.

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