**SUMMARY**

Worldwide, description of properties and properties rights derive from legislation and legal documents. Legally defined properties and property rights are three-dimensional physical objects. Thus there is a growing need for complete, accurate and integrated description of three-dimensional properties with complex ownership rights and other legal restrictions. In Greece’s legal framework there are several laws relevant to the 3D characteristics of properties and the 3D extent of the exercise of property rights, referring to private or public properties and properties rights and to special properties and properties rights. As those laws date back from the 1920’s to nowadays and describe legal boundaries intercorrelated to physical objects, the representation of the legal described property and property rights in 3D is of a great importance. This paper presents a comparative analysis for the 3D representation of legal described property and property rights according to Greece’s legal framework.