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## **A geoarchaeological view on the Roman economy of Baetica – The case study Munigua (Seville, SW-Spain).**

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The economy of Roman cities in Baetica, was largely diversified and depending on the city for example specialized in olive oil, halieutic or metallurgical production. The economy of the Hispano-Roman city Munigua (municipium Flavium Muniguense) was particularly based on mining and in the 1<sup>st</sup> and 2<sup>nd</sup> centuries CE Munigua was the largest producer of copper and iron in the Sierra Morena. This contribution focuses on the evaluation of soil potential for practicing agriculture and evidences for prehistoric and historic land use in the vicinity of Munigua. It aims to provide new information to the food supply strategy of Munigua and furthermore a geoarchaeological view on the diversification debate of the urban economy in the conventus Hispalensis. Applying a pedo-geomorphic approach the present study i) shows that the landscape around Munigua has the potential for an agricultural use in larger areas and would have certainly allowed a production of agricultural goods in Roman times. Additionally, the study ii) provides clear evidence for prehistoric and historic land use in region documented by multi-layered colluvial deposits and a preserved Roman horticultural soil. Hence, the results pointing to a local cultivation of agricultural products as an active contribution to the food supply of Munigua. Moreover, the study provides geoarchaeological evidences supporting the concept of an economic diversification of Roman cities in Baetica province and Hispania.