

GIS contribution for implementing agricultural crops

Ferreira, A.¹² & Grifo, A.¹³

¹Escola Superior Agrária, Instituto Politécnico de Santarém, albertina.ferreira@esa.ipsantarem.pt

²Centro Interdisciplinar de História, Culturas e Sociedades da Universidade de Évora – CIDEHUS

³Instituto de Ciências Agrárias e Ambientais Mediterrânicas – ICAAM, Universidade de Évora

The Geographic Information Systems (GIS) are an essential tool in approaching various analysis operations whose results permit to question the cultural choices on a determined agricultural space. The handling and analysis of any entity with well-defined geographical positioning will allow the construction of surfaces that will be fundamental on the information crossing. The interpretation of the analysis performed will potentiate the knowledge allowing a more conscious and thoughtful decision making.

In the essay which is presented, the data used – aerial photography and elevation points– refer to Quinta do Quinto (property of Escola Superior Agrária de Santarém). It will be about this agricultural space that will be obtained new information capable of complementing the current knowledge of this space. To achieve this goal several surfaces will be generated such as the digital terrain model, contours, slopes and aspect.

Keywords: Geographic Information Systems, surface analysis, information crossing.

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