

Digitization of the Rainfall Seltzer Map of Northern Algeria Using a Geographic Information System

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Key words: Cartography; Geoinformation/GI

SUMMARY

The presentation is about a contribution in the establishment of an automatic cartography of the Seltzer P. (1946) rainfall map of northern Algeria, that will allow researchers the ease of use of reliable data of old maps. The main objective is to set up a database and an automatic mapping of the old rainfall map using a geographic information system GIS. The idea is to provide the researcher an automatic search tool for establishing rainfall classed maps of climatic data, that will serve as a basis for the spatial analysis query of phenomena related to rainfall, vegetation, soil salinity, global climate studies,...etc. Several classed maps from query the database and overlaying on google earth software are presented.

Keywords: Automatic cartography - GIS - Rainfall classed maps - spatial analysis query

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