

Geophysical Research Abstracts,
Vol. 10, EGU2008-A-05498, 2008
SRef-ID: 1607-7962/gra/EGU2008-A-05498
EGU General Assembly 2008
© Author(s) 2008



Modeling the evolution of precipitations in Dobrogea

A. Barbulescu

Ovidius University of Constanta, Romania (alinadumitriu@yahoo.com)

Dobrogea is a region situated in the South – East of Romania, between the Black Sea and the lower Danube river.

The understanding of processes that intervene in the climate change evolution, their spatial and temporal variations are of major importance in environmental sciences. Modeling these processes is the first step in the prediction of weather change.

In this context, this paper presents the results of statistical investigations of some hydrological data and their modeling using time series analysis and genetic algorithms. Our main purpose is to relieve the seasonal variability and to determine some models for the precipitations evolution in Dobrogea, using SARIMA models.