

THE MOTRU MINING BASIN – GIS APPLICATION ON SHEET EROSION

Anghel TITU¹, Bilaşco ŞTEFAN²

¹ Universitatea Babeş-Bolyai, Facultatea de Geografie,
str. Clinicilor nr. 5-7, Cluj-Napoca, România.

² Academia Română, Filiala Cluj, Colectivul de Geografie,
str. Republicii nr.9, Cluj-Napoca, România.

ABSTRACT.- *The Motru Mining Basin – GIS Application on Sheet Erosion. The activation of the sheet erosion has important negative effects upon the soil profile. The anticipation of this geomorphologic process is important for taking some measures for protecting the susceptible areas. Within our study, we will carry out a quantitative estimation of the soil losses in the Motru Mining Basin, caused by the activation of the sheet erosion mechanism. We will apply the classic methodology proposed by the ROMSEM model of the USLE type by using the GIS technology*