

GÁBOR LOKSA (*)

VARIATIONS IN MICROCLIMATE MODIFIED BY OPEN-CAST MINING: CASE STUDIES FROM HUNGARY

ABSTRACT: LOKSA G., *Variations in microclimate modified by open-cast mining: case studies from Hungary.* (IT ISSN 1724-4757, 2007).

Open-cast mining involves significant changes in topography and thus also influences the physical conditions of the atmosphere in the mining area and in its immediate surroundings.

The paper intends to illustrate some of the interactions through findings from microclimate measurements in the pits of a lignite mining area of North Hungary. Implications for mining land reclamation are emphasized.

KEY WORDS: Open-cast mining, Microclimate, Land reclamation, Mátra Mountains (North-Hungary)

(*) *Institute of Environmental and Landscape Management Szent István University, H-2103 Gödöllo'', Páter K. u. 1 - e-mail: loks.gabor@kti.szie.hu*