

## THE COMPATIBILITY BETWEEN THE FOREST OPENING-UP WORKS AND NATURAL ENVIRONMENT IN THE MOUNTAINOUS REGION OF METSOVO

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**Abstract:** *The need for the “Development and Protection of the Mountainous Regions” and at the same time the protection and preservation of its available natural assets has become a global concern. The purpose of this study is to examine the compatibility of the opening-up forest works with the natural environment of the mountainous region of the Municipality of Metsovo and afterwards to estimate the contribution of this method to the sustainable development of this area. Therefore, the intensity of the consequences that the opening-up forest works have caused to the natural environment of the area is examined by using countable criteria. The ability of absorption by the forest ecosystem has been also studied. The Geographic Information Systems gave the efficient and reliable rate extraction for these criteria. The results testify that the use of this method provides the estimation of the existing opening-up forest works and the selection of the compatible solution.*