

# **COMPARATIVE DRAFT OF THE GEOLOGICAL, HIDROGEOLOGY'S ASPECTS AND THE ENVIRONMENTAL PROBLEMS OF THE COAL MINES WITZNITZ-GERMANY AND CRICIÚMA - BRAZIL**

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The present paper consists of a detailed description of the geology and hidrogeology of the coal mine Witznitz, located approximately 20 km south of the city of Leipzig, in the State of Saxon, as well as the coal mines which are located in the Criciúma's Carboniferous Area. Continuing, a comparison of these aspects is made as well as a synthesis of the principal similar environmental problems of the mentioned mines. This paper shows data about the coal quality at both areas, it traces a litologic profile of the compared areas and shows several hidrogeological data and some hidrogeochemistries results revealing a great similarity in this aspects among the both areas and finally has a small list on the similar environmental problems faced by the two mines.