

Environmental risk assessment of a karst area in southern São Paulo

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Abstract

This presentation consists of a series of maps of geology, physiography, and human occupation in the region of the city of Apiai, in the Valley of the Ribeira River in the south of the state of São Paulo. The superposition of these maps provides information about the risk of negative impacts on the environment, as well as the possibility of collapse. The methodology used to determine the physiography of the land and its use included the division of the area using geotechnical maps, interpretation of aerial photographs, application of questionnaires to local community representatives, and field studies, in addition to the analysis of numerous photographs of critical situations in the area.