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O Center for Research and Development in Mining Engineering (CETEM) is a research center of the Federal University of Minas Gerais. It comprises seven research institutions: the Laboratory of Riscos Ambientais, the Department of Hydrology, the Laboratory of Water Resources, the Laboratory of Geochemical Analysis, the Laboratory of Geology and Mineralogy, the Laboratory of Geotechnics and the Laboratory of Mining Planning and Engineering. Its main activities include research, development, technological support and training in the area of mining engineering.

In the diagram, we can see a map of the municipality with various geological formations and processes. The map includes layers such as lithology, tectonics, and geological structures. The susceptibility map indicates areas prone to landslides and mudflows, with high, medium, and low susceptibility zones marked. The map also shows the distribution of deposits and processes correlated with these phenomena.

The text includes a table that likely details the susceptibility levels and their corresponding geological features. The table is structured to show the relationship between different geological layers and susceptibility levels, possibly indicating the type of processes associated with each susceptibility zone.

The cartography and geological analysis in the diagram are supported by various references and authors involved in the research and development work at the Center for Research and Development in Mining Engineering.