

# **THE CÓRREGOS PROJECT: DESIGNING A SANITATION AND WATER MANAGEMENT PLAN FOR A RURAL COMMUNITY IN MINAS GERAIS, BRAZIL**

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## **ABSTRACT**

As Brazil enters a new era of growing prosperity, a large number of the country's inhabitants still have inadequate access to drinking water and sanitation, a problem which is most pronounced in rural settlements. This paper discusses a twofold approach with the aim of alleviating problems with water supply and sanitation faced by the small rural settlement of Córregos in the federal state of Minas Gerais, Brazil. This rural settlement is facing typical problems of expanding agricultural and mining activities which pose considerable threats for the future development of the village. Driven by the development of a large iron-ore mining concern in the region, the local population is predicted to increase to levels which will put further strain on the already struggling water and wastewater systems. A sustainable solution can only be achieved by taking the villagers, all influencing factors and infrastructure systems into account.

**PALAVRA-CHAVE:** Participatory Water Infrastructure Planning, Participatory GIS, Community Management Capacity Planning