

SUCCESS CASES OF THE STATE OF MINAS GERAIS/BRAZIL

AGRICULTURE, LIVESTOCK AND PLANTED FOREST

Adequacy Of Santa Isabel River Waterbasin – Paracatu/MG

The environmental diagnosis, through the Productive Environmental Zoning – PEZ (ZAP, in Portuguese), as well as the Suitability Potential Report (a document based on the results of the PEZ) of the sub-basin in question were prepared in December 2018, at the request of producers in the region.

The execution of the planned actions in the Suitability Potential Report will provide adequate soil management, directly reflecting the greater infiltration and perennialization capacity of the basin's water bodies, sediment retention, reduction of erosion and desertification processes.

The general objective is to regularize the flow of water supply and boost the productive capacity of rural properties supplied by the basin. A high potential for mitigation and carbon sequestration is also envisaged, mainly through the recovery of degraded pastures, an increase in soil recharge and infiltration areas and water retention capacity foreseen in the project.

There is an investment of around R\$500,000/USD99,439.15 to replant tree seedlings in degraded APPs (COPASA/CODEVASF). The Peixe Vivo Agency announced an investment of R\$5.6 million/USD1,113,718.8 to adapt 93 km of ecological roads. The company that will carry out the work has already been hired and will begin work.



Expected Results

- Recovery of 1,231 hectares/3,041.8 acres of degraded pastures
- Completed construction of 800 rainwater catchment basins; Fencing of 907 springs in execution
- Protection of 5,958 hectares/14,723 acres of Permanent Preservation Area
- 145 km/90 mi of environmentally suitable local roads (6 km/3.7 mi of them completed)
- Possibility of removing 5,086.9 tons of CO² per year when implementing the actions (Estimated by the GHG Protocol)