

Environmental Geology – The Experience of the Geological Survey of Brazil – CPRM

¹SILVA, C.R.; ¹MEDINA, A.I.; ¹ARMESTO, R.G.; ²CAMOZZATO, E. and ²ORLANDI FILHO, V. Geological Survey of Brazil - CPRM, ¹Rio de Janeiro and ²Porto Alegre, Brazil

The Geological Survey of Brazil – CPRM, is executing in Brazil, since 1991, Information for Territorial Management Programme – GATE, with approximately 250 reports concluded and delivered to community. The studies are developed in regional units of CPRM, of Porto Alegre, São Paulo, Belo Horizonte, Rio de Janeiro, Goiânia, Brasília, Salvador, Recife, Fortaleza, Teresina, Belém, Manaus and Porto Velho, in collaboration with other federal, state and municipal institutions. The main themes deal with: areas susceptible to natural disasters and under restraints for occupation; potentiality and land-use; conflicts related to use of critical areas; basic information for conservation units management; mineral and hydric resources potentiality; quality of waters, control of floods; protection of hydric sources; indication of potentially polluting areas; selection of areas for solid waste disposal. The Program GATE intends to develop products for a better life conditions for the population, contributing, for example, for the reduction of cost of agricultural enterprises and of house constructions and better health conditions, in harmony with the proposal of AGENDA 21. This activity comprises 4 subprograms: 1 – Support to the regional development; 2 – Support to the development of the metropolitan areas; 3 – Basic information for planning and management of the Amazonic municipalities – PRIMAZ; and 4 – Support to the management of special areas (parks, reserves, environmental protection areas). The Geological Survey of Brazil claims, with multidisciplinary activities, to contribute with information to assure to the Brazilian population a development in harmony with the environment.