

Uranium Geology Current Situation in Brazil

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The present work tries to show the current situation of Uranium Geology in Brazil.

The main aspects related to the geology of the Brazilian ore deposits, emphasis given to Lagoa Real, located in the South of Bahia State, and to Itataia located in the Ceará State, are presented. In Lagoa Real uranium occurs associated to albitite rocks of the pre-Cambrian period. In the Itataia deposit, the uranium occurs associated to the phosphate in carbonated rocks also of the pre-Cambrian period.

The leading targets of uranium prospection in Brazil are introduced under the light of the Brazilian pre-Cambrian geology new knowledge, where Rio Cristalino prospect appears as the main area of interest for prospection due to recent information acquired in aero-geophysical surveys performed in the area.

The Poços de Caldas mine, in the State of Minas Gerais that today is in decommissioning phase has also been considered.

In the uranium research and prospection fields, INB has been trying to work together with private companies in order to develop new projects, especially those where the uranium occurs associated to other minerals of economic interest, seeking the development of the sector.