



Bureau of Energy Resources  
U.S. DEPARTMENT OF STATE

*August 2020*

**DEPARTMENT OF STATE  
BUREAU OF ENERGY RESOURCES (ENR)  
ENERGY GOVERNANCE AND CAPACITY INITIATIVE (EGCI)  
PROPOSED AREAS OF MINERAL SECTOR TECHNICAL COOPERATION FOR  
THE GOVERNMENT OF BRAZIL**

The Energy Governance and Capacity Initiative (EGCI) is a U.S. Department of State, Bureau of Energy Resources (ENR)-led government-to-government program that utilizes the expertise of U.S. federal and state government agencies as well as academic institutions, the private sector, and independent experts to provide countries with expertise to address the technical, environmental, financial, and legal challenges associated with managing extractives sectors.

ENR proposes specialized support to the Government of Brazil to include the following topics:

- **Mine Closure Planning and Reclamation:** Expertise and training to build capacity of Brazilian government institutions on the safe, sustainable, and effective procedures for mine closures. Assistance could include recommendations on the development of mine closure plans, treatment of produced materials and waste products, and surface reclamation best practices, to manage environmental impacts and promote sustainability.
- **Mineral Economics:** Analyses of the economic viability and global market competitiveness of specific minerals (e.g. graphite, lithium, nickel/cobalt, rare earth elements, titanium and vanadium) as well Brazil's geo-economic potential considering its critical and strategic minerals resources. Assistance may include recommendations for where and how Brazil could most effectively compete in terms of the global market, capacity building in understanding mineral economics.
- **Exploration Targeting:** Analysis of lateritic nickel ores in terms of Co, Sc, V, and CU and development of a Brazilian Ni-Co inventory to help stimulate new investments in exploration and the development of new technologies to recover critical minerals, especially cobalt, as well as minimize tailings production and, consequently, reduce the impacts of the lateritic deposits exploitation.