



Ministry of Mines and Energy  
Secretariat of Geology, Mining and Mineral Transformation

# MINING AND DEVELOPMENT PROGRAM

## GOALS AND ACTION PLAN 2020/2023

Portaria MME nº 354 de 28 de setembro de 2020.



# BRAZIL: A MINE OF OPPORTUNITIES

# MINING AND DEVELOPMENT PROGRAM

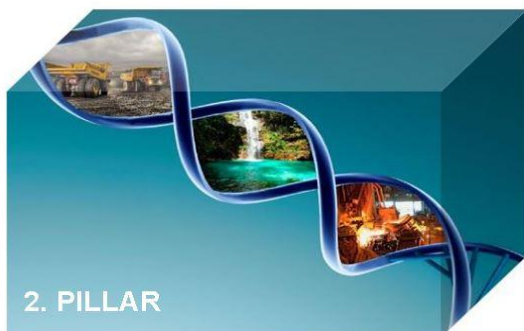


## DEVELOPING MINING TO DEVELOP BRAZIL



### QUANTITATIVE AND QUALITATIVE EXPANSION OF THE BRAZILIAN MINING SECTOR

- TURNING BRAZIL'S MINERAL HERITAGE INTO WEALTH for the sustainable development of the country, taking into account its socioeconomic and environmental imperatives.



### BRAZIL IS A MINERAL POWER, AND MINING IS A VECTOR OF PROGRESS AND A SYNONYM FOR DEVELOPMENT

- Brazil holds significant mineral potential and has to employ such goods in a way that meets the country's demands and the needs of the world society.



# 3. PLANS

## 3.1 – IMPROVING THE ECONOMIC KNOWLEDGE ON THE MINERAL SECTOR

### PROJECT: “MINERAL ECONOMY”

#### GOALS

**A**

Generating, obtaining, processing, and disseminating data on mining in all phases of the mining activity.

**B**

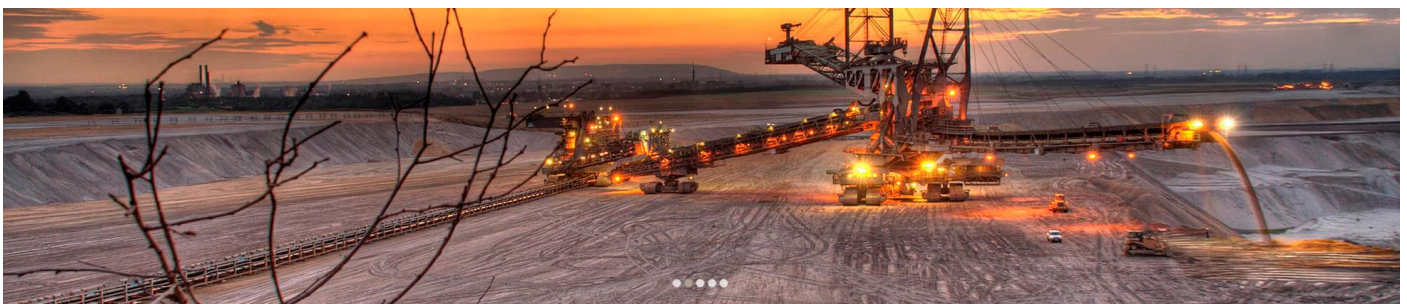
Designing scenarios and conjunctures to better subsidize the definition of public policies and decision-making process regarding the Brazilian mineral sector, keeping it permanently adequate and updated.

**C**

Monitoring and evaluating the performance of the national mineral sector in a more effective way, proposing and adopting measures for its regular operation and development.

**D**

Improving and sharing knowledge on the international mineral sector and proposing improvements to the Brazilian mineral sector from successful international experiences.



## 3.2 – SOCIOECONOMIC AND ENVIRONMENTAL COMMITMENT IN MINING

### PROJECT: “GROWING WITH RESPONSIBILITY”

#### GOALS

**A**

Promoting actions to achieve social, environmental and economic sustainability in mining;

**B**

Promoting local and regional socioeconomic development with environmental responsibility;

**C**

Contributing to the social welfare of the localities and neighborhood of the mineral enterprise;

**D**

Promoting inter-institutional studies and interaction in order to reduce regional inequalities through the development of mining projects in least developed regions with high potential for mining;



**E**

Stimulating the implementation of mining enterprises with low environmental impact technologies and high social gains;

**F**

Improving and strengthening actions for the responsible management, reduction and reuse of mining waste and tailings;

**G**

Improving parameters for dam safety, its regulation, control, inspection, monitoring, and responsibilities;

**H**

Adopting measures for the safety of tailings and waste piles, as well as for mine closure;

**I**

Promoting the regularization of mining activities and encouraging cooperativism in small-scale mining;

**J**

Adopting good practices in small-scale mining activities;

**K**

Encouraging the recovery of areas affected by mining activities;

**L**

Monitoring measures destined to protect the safety and health of mining workers and contributing to their professional improvement;

# GOALS

M

Encouraging the technical training of workers and technological advance;

N

Promoting circular economy in mining;

O

Fostering the use of technologies and innovation in the multiple stages of mineral activities;

P

Encouraging the use of sustainable water management technologies in the mineral processing;

Q

Adopting sustainability parameters in evaluating mineral production results;

R

Proposing policies that help diversify economic activity in municipalities and mining regions;

S

Proposing the inclusion of mining in city executive plans as well as in the land use and soil occupation legislation;

T

Promoting identification and formal organization of Artisanal and Small-Scale Mining;

U

Fostering verticalization of mineral production chains as a tool for the country's industrial development;

V

Encouraging and supporting energy efficiency in mining;

X

Promoting practices and technologies for the reduction of greenhouse gas emissions in compliance with the principles established by the National Policy on Climate Change;

W

Contributing to the achievement of the UN Sustainable Development Objectives;



Y

Ensuring that the mineral sector complies with the socioeconomic and environmental policies and programs defined by Brazilian law;

Z

Meeting the international socioeconomic and environmental commitments assumed by Brazil.

## 3.3 – INCREASING GEOLOGICAL KNOWLEDGE

### PROJECT: “BRAZILIAN MINERAL HERITAGE”

#### GOALS

A

Increasing the implementation of geological, geophysical and geochemical surveys;

B

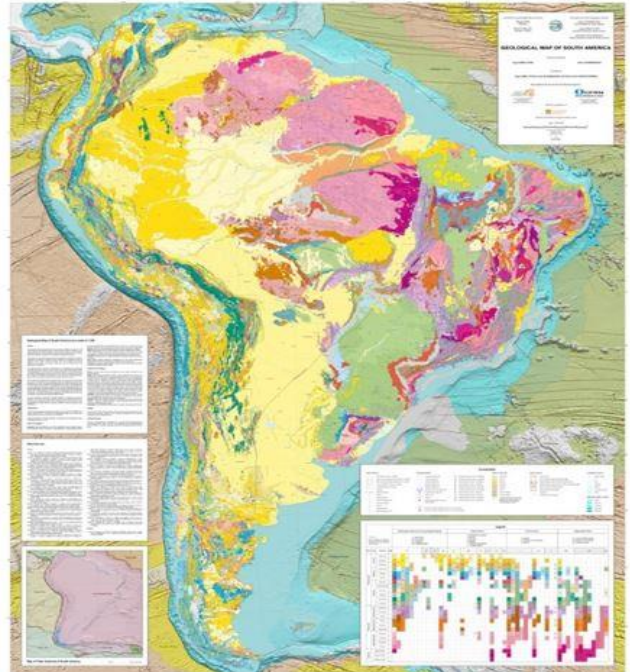
Encouraging prospection and geological research of mineral goods that are considered a priority for the country;

C

Promoting and encouraging companies committed to mineral research and exploration;

D

Deepening geological knowledge on the Brazilian sedimentary basins;



E

Increasing geological knowledge on the Brazilian Continental Shelf;

F

Contributing to increase water supply to the Brazilian Northeast semi-arid region;

G

Promoting the formulation, expansion and diversification of Research Development and Innovation projects in the areas of geoscience and mineral research and exploration;

H

Expanding agrogeological zoning, integrating geology and soil data;

I

Enhancing knowledge of geological risks for the prevention of natural disasters;

J

Expanding and improving flood alert systems;

K

Modernizing the technological resources of the Brazilian Geological Service (CPRM - SGB);

L

Expanding technical and functional capacity building of CPRM/SGB staff;

## GOALS



M

Promoting the exchange of knowledge and technology with geological surveys from other countries, aiming at improving and updating the Geological Survey of Brazil/CPRM, as well as disseminating nationally the benefits that result from such exchange;

N

Integrating the National Mining Agency's database with that of the CPRM - Geological Survey of Brazil;

O

Organizing the heritage and memory of national geological research.

## 3.4 – EXPANSION OF MINING TO NEW AREAS

### PROJECT: "GO MINING, BRAZIL"

## GOALS

A

Expanding areas for mineral exploitation;

B

Promoting regulation of mining in indigenous areas;

C

Implementing new mining opportunities on the borderland;

D

Improving regulation that deals with natural cavities;

E

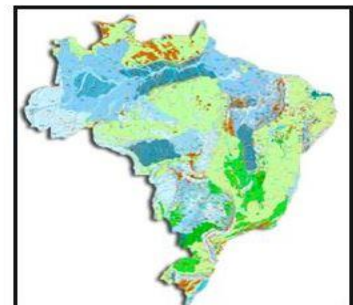
Improving regulation on damping zones;

F

Fostering research, exploration and exploitation of nuclear minerals;

G

Streamlining the granting of mining titles;



H

Carrying out public auctions of areas pertaining to the National Mining Agency;

I

Carrying out public auctions of mining titles pertaining to CPRM.

## 3.5 – INVESTMENT IN THE MINERAL SECTOR

### PROJECT: "ENSURING MINING"

#### GOALS

A

Promoting the adoption of financing mechanisms for research and exploration activities and mineral production;

B

Implementing the use of the mining title as financial guarantee;

C

Turn mining into an activity that issues debentures and participates in infrastructure funds;

D

Adopting measures to attract public and private, national and international investments;

E

Promoting and encouraging new entrepreneurs and markets.





# 3.6 – SELECTIVITY OF ACTIONS FOR THE SECTOR

## PROJECT: "MINING OF THE PRESENT FOR THE FUTURE"

### GOALS

A

Defining the policy for the minerals of strategic interest for the country, while strengthening actions for geology, regulation and technological development, and their application in the productive chains of metals and minerals for technological innovation and of strategic interest, such as niobium, nickel, cobalt, copper, sulfur, graphite, lithium, silicon, tantalum, rare earth elements, titanium, tungsten, uranium, vanadium, zinc;

B

Promoting the adoption of new technologies of the mineral industry in the activities of the mineral sector;

C

Encouraging the generation of new products and markets;

D

Adding value to mineral goods produced in the country;



E

Encouraging the installation of high technology products factories that make use of mineral input;

F

Encouraging the use of new technologies in the use and exploration of energy coal and in the recovery of environmentally degraded areas;

G

Promoting technological research and innovation in the production of remineralizers and their application in agriculture;

H

Encouraging technological insertion in small and medium scale mining companies;



I

Contributing to the strengthening and development of technology and innovation centers on mining;

J

Promoting the attraction of investments in the mineral transformation chain with aggregate technology.

## 3.7 – GOVERNANCE IN MINING

### PROJECT: "ACTION, STRATEGY AND CREDIBILITY"

#### GOALS

A

Adopting best practices of integrity, ethics and transparency in the provision of public services in the mineral sector;

B

Adopting best practices of integrity, ethics and transparency in the provision of public services in the mineral sector;

C

Managing mining with legal safety, predictability, reliability and credibility;

D

Adopting risk management and reduction methods;

E

Explain and clarify the public policies for the mineral sector;

F

Preserving the regular operation of mining activities;

G

Searching for solutions to the obstacles in the mining sector activities;

H

Developing specific policies for the segments of the mineral sector considering their peculiarities;

I

Encouraging certification of mineral reserves and resources according to international standards;

J

Decreasing dependence on imported mineral goods;

K

Achieving greater efficiency in the control and inspection of mining activity;

L

Increasing efficiency in the collection linked to the mining activity;

M

Mediating conflict resolution in mineral sector matters

N

Monitoring measures to protect work and the worker in mining;

O

Establishing communication channels among society, mineral sector and mining authorities;

P

Improving interaction with international entities and agencies to disseminate knowledge about the Brazilian mineral sector and to obtain knowledge regarding the international mineral sector;

R

Intensifying interaction with international fora such as Mercosur, IGF, OECD, Kimberley Process, Steel/Steel, GFSEC, and International Groups for the Study of Lead, Zinc, Copper and Nickel;

S

Promoting a favorable investment environment to enhance investments in the Brazilian mineral sector;

T

Disseminating knowledge and promoting exchange of studies, research and experiences of the Brazilian mineral sector in the global domain.

Q

Promoting international partnerships for the development of the mineral sector;





## 3.8 – MANAGEMENT AND EFFICIENCY

### PROJECT: "RESULTS BASED MINING"

#### GOALS

A

Improving sector's efficiency in the public and private environments;

B

Improving results in productivity with sustainability in the mineral sector;

C

Restructuring and modernizing the National Mining Agency-ANM;

D

Restructuring and modernizing CPRM/BGS;

E

Achieving greater optimization and speed in managing mining processes;

F

Reducing the number of pending mining processes that require administrative decisions;

G

Adapting the modalities of mining concession to the segments of the sector;

H

Promoting and contributing to the improvement of environmental licensing for mining;

I

Promoting and monitoring governmental actions in infrastructure and energy in the interest of the mineral sector;

J

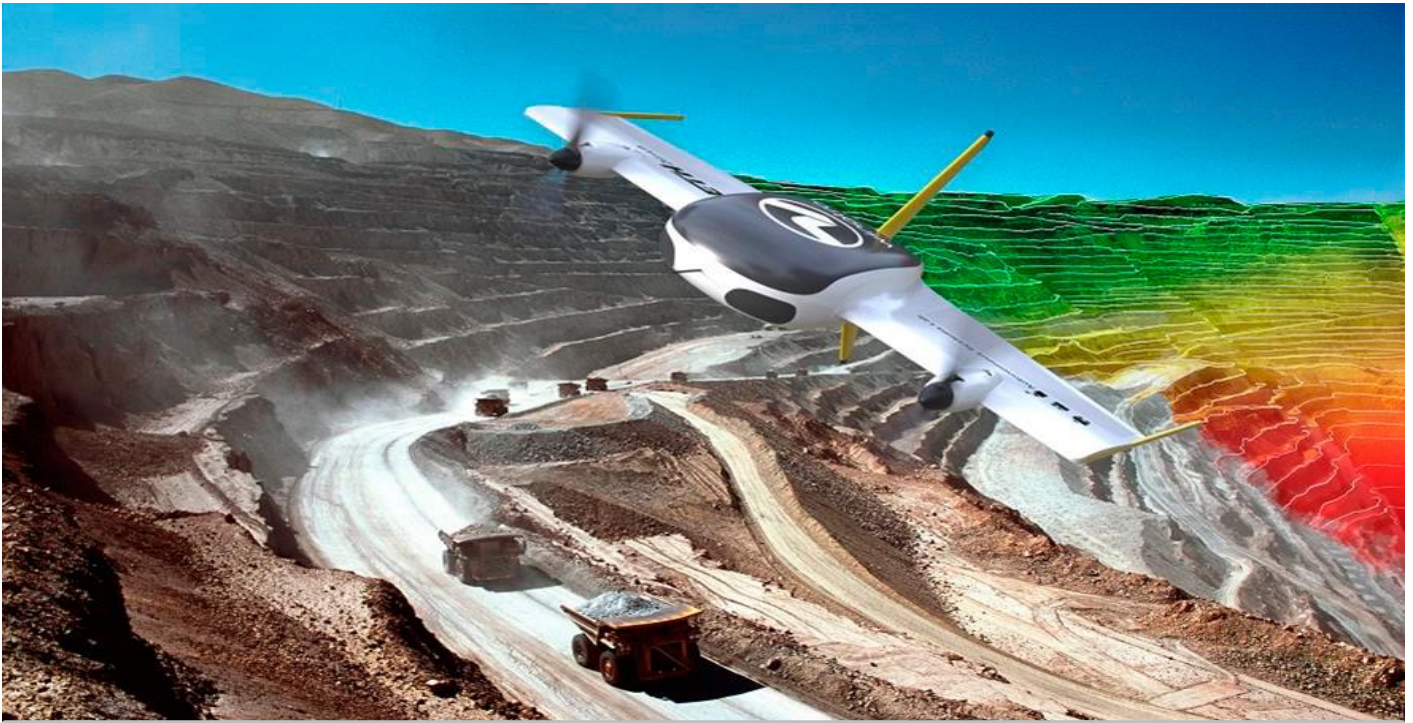
Encouraging small and medium enterprises, as well as the improvement of their production processes;

K

Implement Law 13.874/19 (Economic Freedom Law) in the mining sector;

L

Encouraging geological and mining culture and preserving their history.



## 3.9 – COMBATING ILLICIT PRACTICES IN MINERAL ACTIVITIES

### PROJECT: "LEGAL MINING"

#### GOALS

**A**

Creating and expanding opportunities for regular mining activities;

**B**

Improving mechanisms for supervision and control;

**C**

Assisting control, inspection, security and justice agencies in defining actions to repress illicit activities in mining.



## 3.10 – MINING IN SOCIETY

### PROJECT: "FOCUS ON MINING"

#### GOALS

A

Improving social perception regarding the mineral sector;

B

Promoting mining as an essential activity for society and its importance to the country;

C

Permanently disseminate information on actions by MME, ANM and CPRM;

D

Promoting the participation of SGM/MME, ANM and CPRM in events of the mineral sector;

E

Encouraging, promoting and assisting the participation of Brazilian mining in national and international fairs and events;

F

Strengthening interaction between society and the mineral sector.



**SOCIETY NEEDS MINING TO DEVELOP ITSELF,  
AND BRAZIL HAS THE MINERAL RESOURCES  
THAT SOCIETY NEEDS**



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Secretariat of Geology, Mining and Mineral Transformation

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## Crédito imagens

- Capa – MRN Mineração Rio do Norte
- Contracapa – [Wallpaper Abyss](#)
- Página 3 e 4 – acervo SGM
- Página 5 – Mineração Usiminas
- Página 6 e 7 – Companhia de Pesquisa de Recursos Minerais – CPRM
- Página 8 - imagem: Freepik.com
- Página 9, 10, 11, 12 e 13 – acervo SGM

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