National Mining Agency (ANM)

Ministry of Mines and Energy

El futuro es de todos

Minminas

Agencia Nacional de Minería (ANM)

Agencia Nacional de Hidrocarburos (ANH)

Servicio Geológico Colombiano
Mining contributed
of the GDP 2020

1.3%

Coal occupies the first place in the mining GDP 53%, gold and metals the second place with 31%

USD 7,711M
mining exports 2020

25%
of Colombia's exports

54%
Coal

37%
Gold and precious metals

6%
Ferronickel

2%
Other minerals

1%
Emeralds

*DAN 01/02/2021
*GDP to constant prices (2015) information as of February 19, 2020

 узнать больше по этой теме...
Knowledge of subsoil

- **73%** GEOLOGICAL
- **70%** GEOPHYSICAL
- **36%** GEOCHEMICAL

Focus

- Increase mineral production.
- Diversifying the mining production matrix -“copper”.
- Raising the levels of formality of mining activity with the best practices of informal economies.

Potential mineral areas

Potential:
- Gold
- Copper
- Coal
- Nickel
- Coltan
- Potassium
- Magnesium
- Iron
- Uranium
- Phosphates

High potential

Unexplored potential
“Mining activity in the 2.9% of the territory”

By contractual stage:
(Exploitation: 88%, Exploration: 8% and Construction and assembly: 4%)

2.9% Of the territory
Titled area
3,323,221 ha
7,285 Mining titles

7.9% Of the territory
Request area
9,107,461 ha
9,867 Applications

Colombia has territory susceptible to exploration

Mining titles

<table>
<thead>
<tr>
<th>Material</th>
<th>Mining titles</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction materials</td>
<td>54%</td>
<td>38%</td>
</tr>
<tr>
<td>Gold and precious metals</td>
<td>16%</td>
<td>41%</td>
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<tr>
<td>Coal</td>
<td>14%</td>
<td>9%</td>
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<tr>
<td>Other minerals</td>
<td>12%</td>
<td>4%</td>
</tr>
<tr>
<td>Emeralds</td>
<td>3%</td>
<td>5%</td>
</tr>
<tr>
<td>Copper</td>
<td>1%</td>
<td>3%</td>
</tr>
</tbody>
</table>

Source: NMA - AnnA 01/102/2021
Gold
RESOURCES AND RESERVES

Mineral resources and reserves in **17 main gold projects** according to International Information Standards (Moz)

Copper RESOURCES AND MINERAL RESERVES

Resources and mineral reserves in 9 major copper projects according to International Reporting Standards (Mlbs)

- Measured and Indicated Resources: 6,062 Mlbs
- Indicated Resources: 8,445 Mlbs
- Inferred Resource: 799 Mlbs
- Proven + Probable Reserves: 2,875 Mlbs
- Probable Reserves: 110 Mlbs

Source: Reporting on resources and mineral reserves on projects: El Roble, Quebradona, San Matías, Soto Norte, La Mina, Titiribí, Yarumalito, Mocoa and Cauca. ANM estimated data as at June, 2020.
COLOMBIA IN CRIRSCO (Committee for Mineral Reserves International Reporting Standards)

CRIRSCO is an international organization that promotes best practices for public reporting of Exploration Results, Mineral Resources and Mineral Reserves. On May 24, 2018, at the CRIRSCO Latin American meeting held in Ouro Preto, Brazil the CCRR was formally admitted as the twelfth member of CRIRSCO. Photo (left to right): Ken Lomberg (CRIRSCO Vice President) and Wilfredo Lopez (CCRR President).
Pilot Project UNFC- ANM

In 2019 Dr. Carolina Coll participa en Colombia en el evento Explora Minería y en mesa de trabajo con ANM se determina los siguientes pasos a seguir:

1. Workshop on the application of the UNFC for Mineral Resources (Q4 2021). ANM team to attend the workshop with experts of the Expert Group on Resource Management - EGRM. ANM will invite other key stakeholders
2. Working session with EGRM experts to review the ANM data and decide on the areas (with CRIRSCO standards) of interest for the Pilot implementation
3. ANM team to work on the pilot to use the UNFC information with the support of the UNFC/EGRM experts
4. Presentation of the Pilot project results at the next meeting of the EGRM en Abril del 2022 en Geneva

Note: By 2023 all mining projects in Colombia will report under international standards in CRIRSCO.
Pilot Project UNFC

Timeline:
- **Q3 2021** Approvals
- **Q4 2021** Work sessions, Area selection
- **Q1 2022** Project classification
- **Q2 2022** Final report UN paper, Approval by the EGRM

Stakeholders:
- ANM
- EGRM
- ANM
- EGRM
- ANM
- EGRM
AXES OF THE MINING SECTOR FOR REACTIVATION

Through impact strategies, to secure a sustainable and safe mining activity, creating opportunities and wealth for the country.
DIVERSIFYING - ECONOMY BOOST

MINING ROUNDS

**COAL** • March, 2021
Competitiveness strategy for coal CO2 emission-offsetting

**COPPER** • February, 2021
1st mining round in Colombia—generate USD 25 - 30 million in operating investments

**PHOSPHATES** • September, 2021
1st phosphate mining round (fertiliser)

**GOLD** • 2022
1st gold mining round

BUSINESS ROUND-TABLES

**GOLD**
- Round on gold projects (November, 2020)
- 2 New Gold rounds (June – October, 2021)

**COAL**
- Round on coal business—Asia (August, 2020)
- 2 New Coal round (March – August, 2021)

**COPPER**
- 2 Rounds on Copper projects (July -October 2021)

**EMERALDS**
- Round on emerald business (May, 2021)

BOTTLENECK MANAGEMENT • 2020 - 2022
- Environment agent focalized by territory
- Territorial agents
- Mining procedures
- Public works agent

ALL THE MINERALS
1. What is the Copper Route?

Is a tool to achieve mineral **diversification and boost exploration** in the country.

**Flexible, competitive and transparent** process with clearly established timelines for accessing mining areas.

Areas with **high mineral potential** that will be contracted through an objective selection process.
2. What benefits does it bring to the country?

Innovative mechanism to manage the mining resource and be a competitive country in the international mining market.

It will help attract investment and resources for exploration in a context of global economic crisis.

Contribute to the energy transition, producing minerals for future technologies.
3. What benefits does it bring to the regions?

**Economic diversification** through the exploitation of new minerals (copper) and production chains.

Generate **additional resources** for the Nation and for the regions through economic compensation in addition to royalties.

Direct investment in the region derived from the **Social Management Plans** of the contracts.
4. What benefits does it bring to investors?

Consolidated scenarios at the social level:
Prior coordination and concurrence processes with local authorities and prior consultation with communities.

Access to updated environmental information and baseline for EIA, to facilitate licensing procedures.

Competitive contractual conditions to boost mining exploration.

Clear rules and expedited timelines that generate legal certainty for investors.
OFFERED AREAS in 1st round