# **Colombia** Agencia Nacional de Minería National Mining Agency

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## **Coal Sector Trends Over the Past Five Years**

### Demand for coal nationally: increased

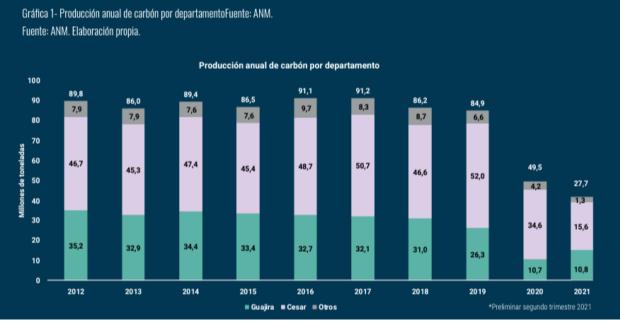
- The country's economic policy emphasizes natural resources exploitation to encourage growth, attract foreign investment flows, and support public spending.
- Financial position of coal mining companies in your country: improved
  - The global economic recovery had a direct impact on the Colombian mining sector, which by 2021 obtained exports of US\$13.382 million, according to the Colombian Mining Association (ACM), which is equivalent to a growth of 22% when compared to the figure for the year immediately preceding, 2020.

### **Coal Sector Trends Over the Past Five Years**

Coal production: The country's coal output rose to 55.2 million tons in 2021, compared to 53.5 million tons a year earlier.

From underground coal mines:2020: 6,330,676 Tons.2021: 2,1027,687 Tons.

From surface coal mines:2020: 47,173,737 Tons.2021: 53,131,837 Tons.

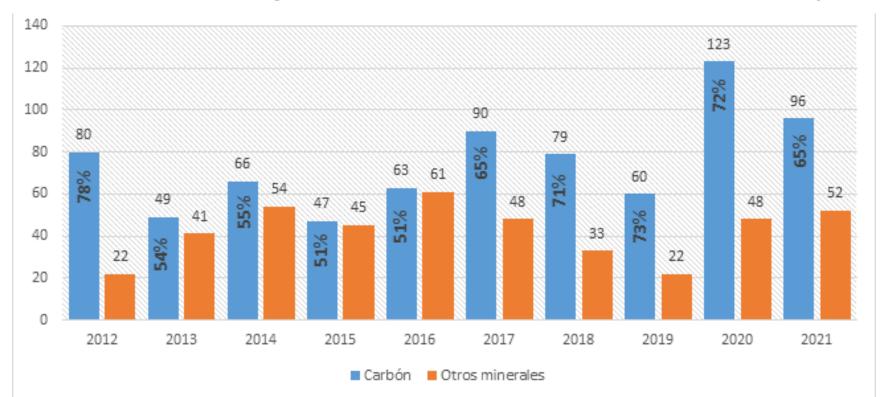


Source: ANM.

Retrieved from: Book, Coal Mining in Colombia Transforming the Future of the Industry

## **Our Main Concern**

Fatalities in mining sector (coal and other minerals) vs year



There has been an average of 7 deaths per million tons of coal produced in underground mining.

## **Our Main Concern**

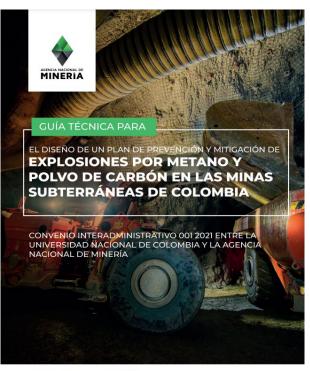
Between 2005 and February 2022, there have been 155 methane or coal dust explosions in which 418 people have died. This is one of the most catastrophic events - in only 8 explosions, 234 people have died.

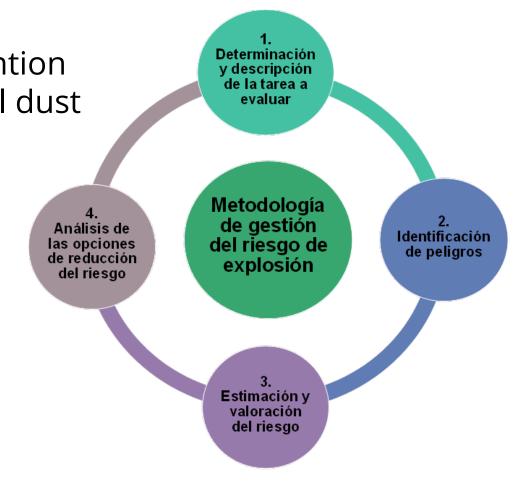
The most catastrophic methane and coal dust explosions in Colombia.

- 1977: Amagá-Antioquia, 86 deceased persons
- 2007: Sardinata, Norte de Santander, 31 deceased persons
- 2010: Amagá-Antioquia, 73 deceased persons
- 2011: Sardinata, Norte de Santander, 21 deceased persons
- 2017: Cucunuba- Cundinamarca, 13 deceased persons
- 2020: Cucunuba- Cundinamarca, 11 deceased persons
- 2021: Tópaga Boyacá, 12 deceased persons
- 2022: Tasco Boyacá, 15 deceased persons

# Other Relevant Information on Methane Emissions from Coal Mining

Technical guide for the design of a prevention and mitigation plan for methane and coal dust explosions in underground mines





https://www.anm.gov.co/sites/default/files/guia\_prevencion\_mitigacion.pdf



# Other Relevant Information on Methane Emissions from Coal Mining

- Post-degree in Fire and Explosion Engineering <u>https://minas.medellin.unal.edu.co/formacion/especializaciones/especializacion-en-ingenieria-contra-incendios-y-explosiones</u>
- Training programs for mining companies. Methane gas and coal dust explosion prevention training in underground mining and Emergency Plan. 80-hour training course.
- Pilot research projects on explosive atmospheres.