

6th EDITION



Consejo Minero is the trade association that brings together the large scale mining companies operating in Chile. Its main objective is promoting the competitive and sustainable development of chilean mining.

We present **Mining in Numbers**, a book that shows the main figures of the mining industry in Chile in a different, simple and entertaining way.

Find updated figures and learn more about mining in Chile on our website: www.consejominero.cl

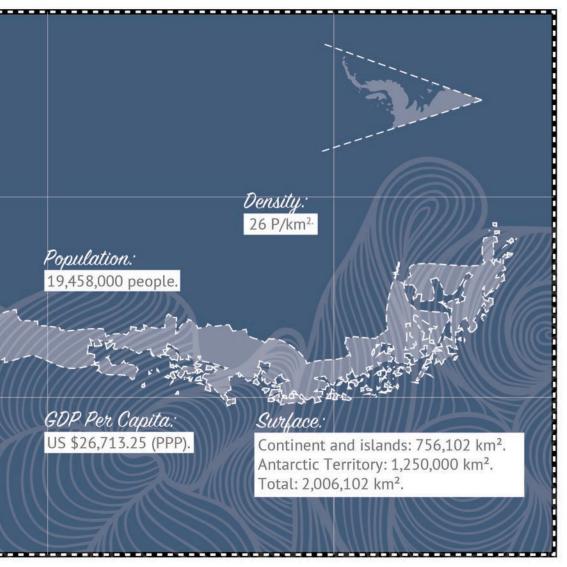












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ANTOFAGASTA

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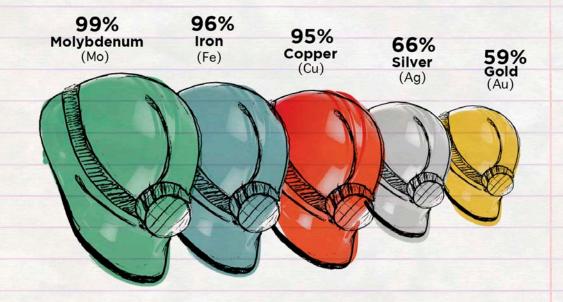
COGNIMBO

VALPARAISO METROPOLITANA O'HIGGINS

Large-scale mining takes place in 7 regions.



Participation of large companies in the Chilean mining production:



CHILE A LEADER



SHARE OF GLOBAL PRODUCTION

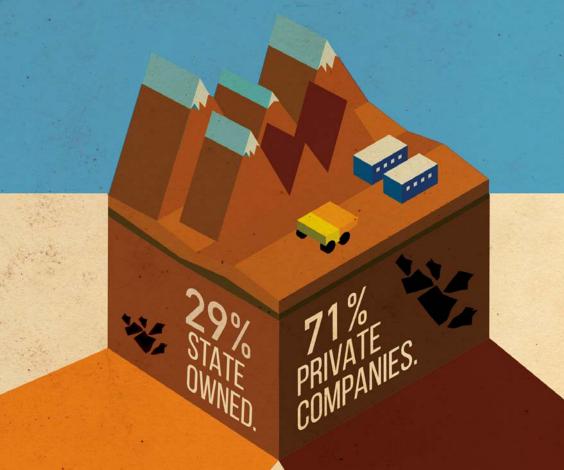


0,75%

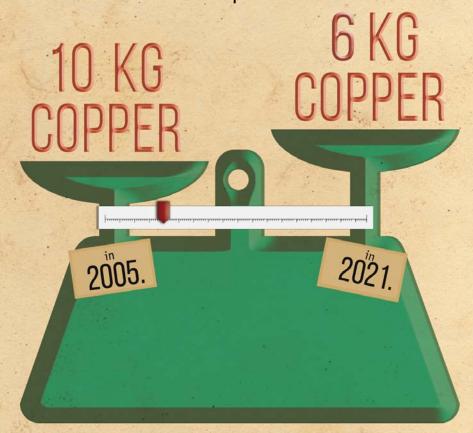
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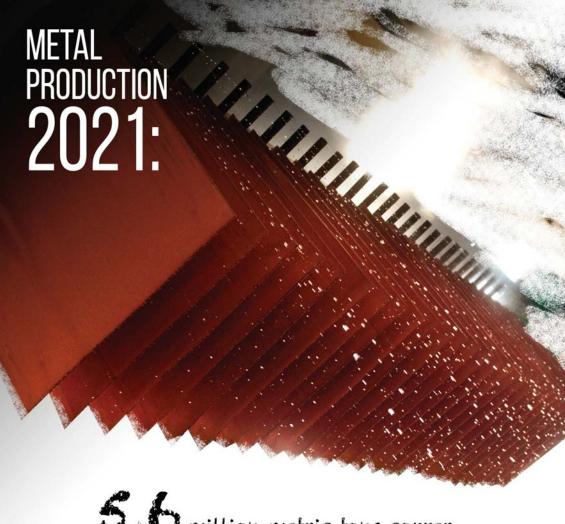
1% Y_{AU}/

COPPER PRODUCTION IN CHILE:

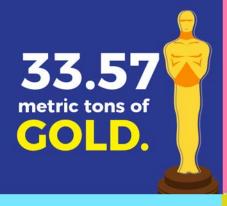


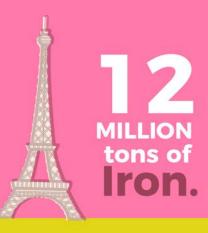
Copper extracted per ton of rock processed:





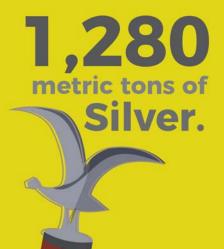
5.6 million metric tons copper.

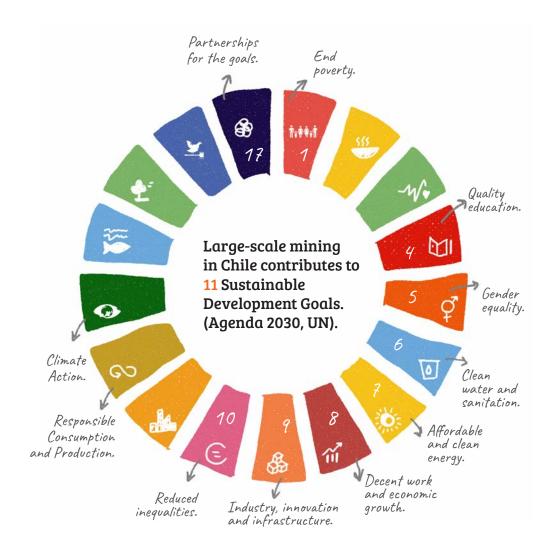




49,427

metric tons of Molybdenum.





LARGE-SCALE MINING HAS



ON CLIMATE CHANGE, INCLUDING:



Support global
commitments that
avoid global
temperature increases

above the levels recommended by science.



Disseminate the contribution of mining to the reduction of emissions, by producing metals that allow to generate, transmit and store electricity more efficiently.

Incorporate the need to adapt to climate change in the design and operation of mine sites.



Promote the use of renewable resources and other low-emission technologies for electricity generation.

Mining represents 12% of Chile's GDP. But adding the economic activity it generates in other sectors, the industry's contribution to GDP is over



It contributes

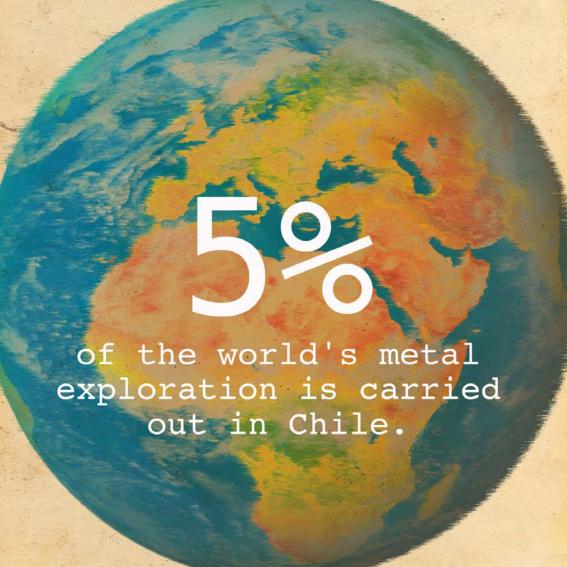
52%

of the GDP of the Region of Antofagasta.



90%OF MINING INDUSTRY REVENUE GOES TO:







Chile is the country that invests the most in mining exploration by land area:



CNIVAL is the biggest consumer of.

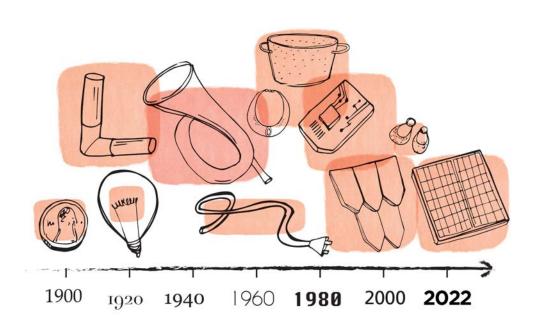
54%



Copper

30%





2/3 OF THE 550 MILLION METRIC TONS OF COPPER PRODUCED SINCE 1900 ARE STILL IN PRODUCTIVE USE.

COPPER 15 A RECYCLABLE MINERAL 23.



million
METRIC TONS OF
Coppley
are recycled
per year

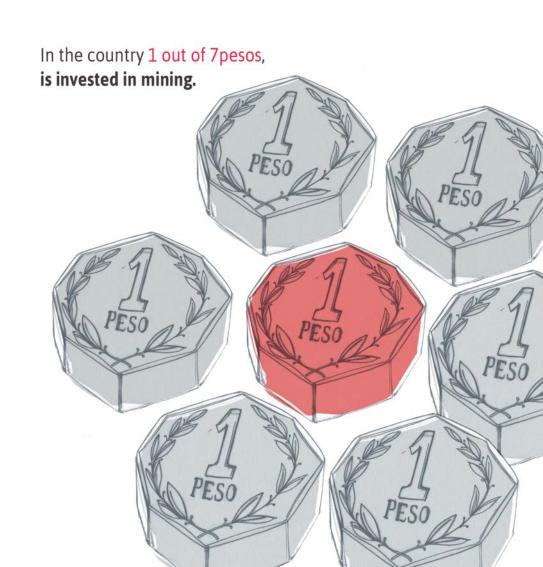
(35% of the global demand for copper is from recycled material).

Mining generates
94%
of exports

lquique

Region Tarapacá.



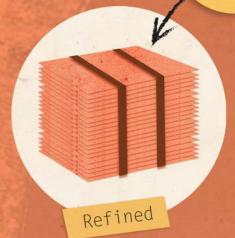


a big challenge

IF ALL MINING PROJECTS IN THE PIPELINE ARE IMPLEMENTED, THE ANNUAL PRODUCTION OF COPPER IN CHILE COULD INCREASE FROM 5.6 MILLION METRIC TONS IN 2021 TO MORE THAN 8 MILLION METRIC TONS AS OF 2026.

Chile exports copper in two ways

44%



mostly cathodes, which have a purity of 99.99% copper.



has a purity of 30% copper.

Mining products represent

55%

of exports.

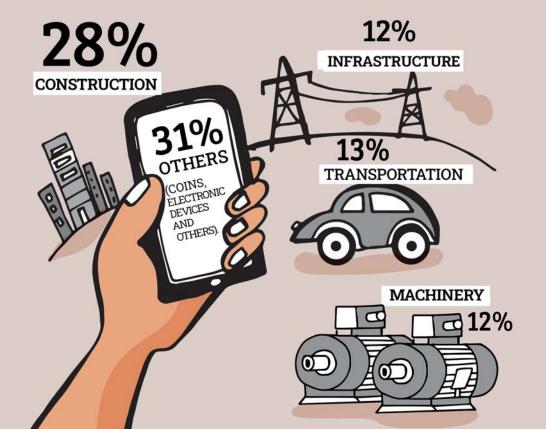


The discovery of Chañarcillo in 1832 produced an explosive growth in silver production.

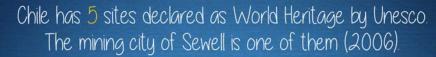


chile, Year 2005 Establishes A Specific Tax on Mining Activity To this day, nore than USD 10,000 million has already been raised. chilean Lay "ROYalty". already been raised.

Uses of copper worldwide







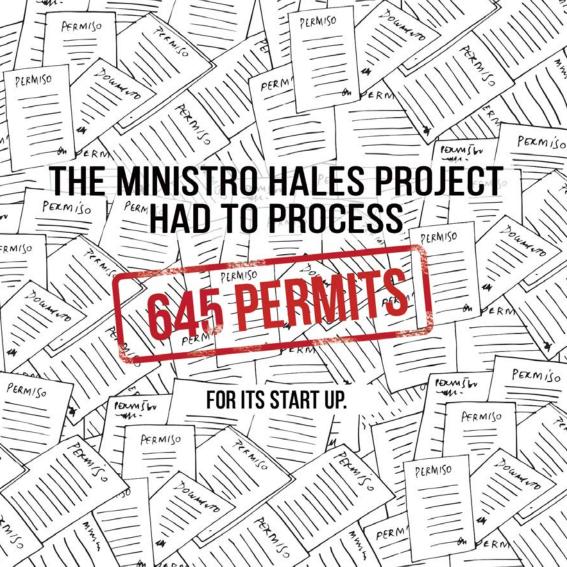




THAT COMES FROM "AURUM", A LATIN WORD
THAT MEANS "BRIGHT SUNRISE".

The development of a new mining project can easily take:





large-scale MINE PROJECT HAS AN awerage lifespan of 20 years and produces 100,000 metric tons annually.



most important copper mines in the world are in Chile (Escondida, Collahuasi, El Teniente, Pelambres, Radomiro Tomic and Los Bronces).



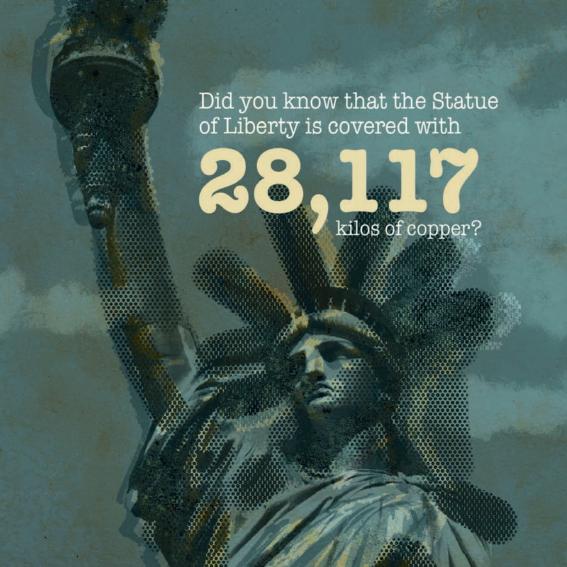
Salaries in the mining sector are 70% higher than the country average.





MINING DIRECT JOBS REPRESENT 3% OF THE COUNTRY'S EMPLOYMENT

BUT IT IS ESTIMATED THAT FOR EVERY DIRECT JOB, 2.55 INDIRECT JOBS ARE GENERATED. AS A WHOLE, MINING REPRESENTS 10% OF CHILE'S EMPLOYMENT.







mining has the lowest accident rate per economic sector in the country.

1.0% v/s 2.6% (country average).

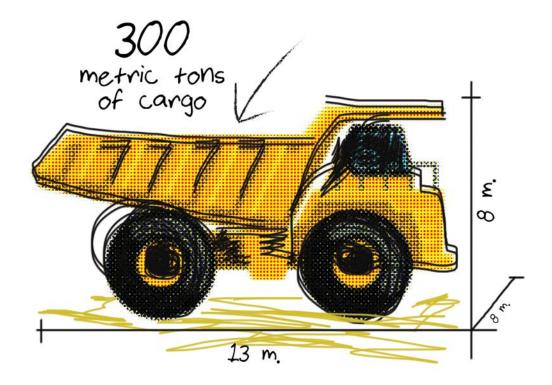


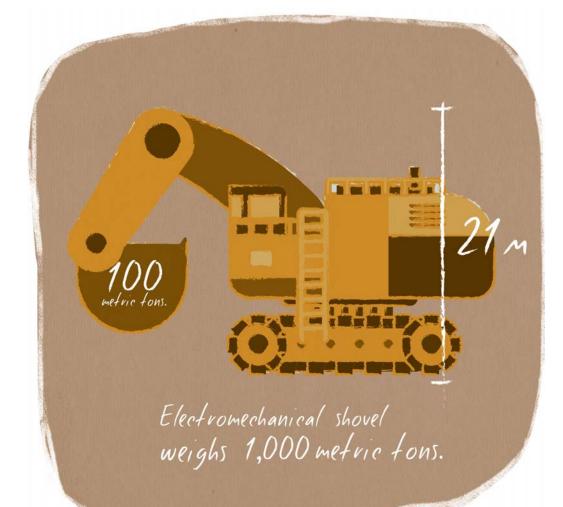


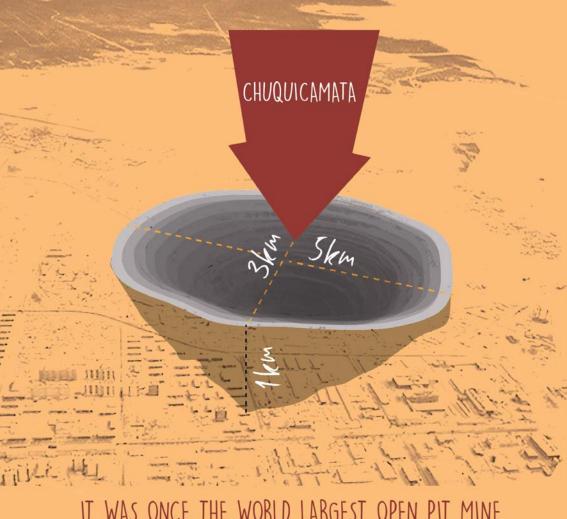
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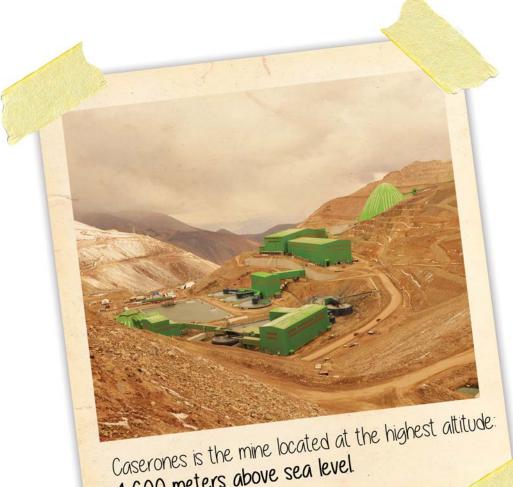




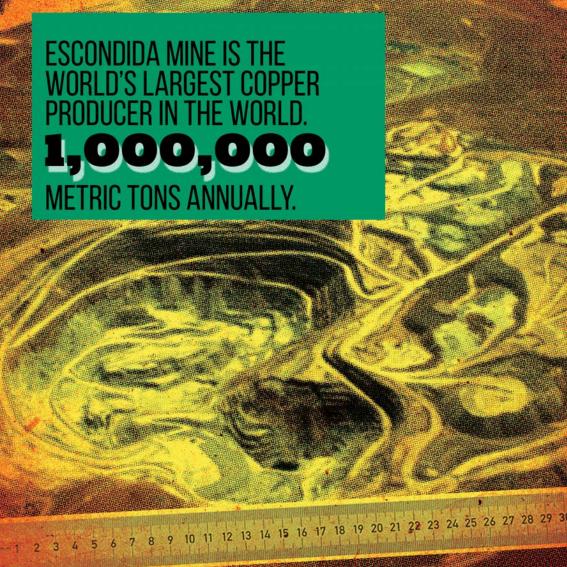


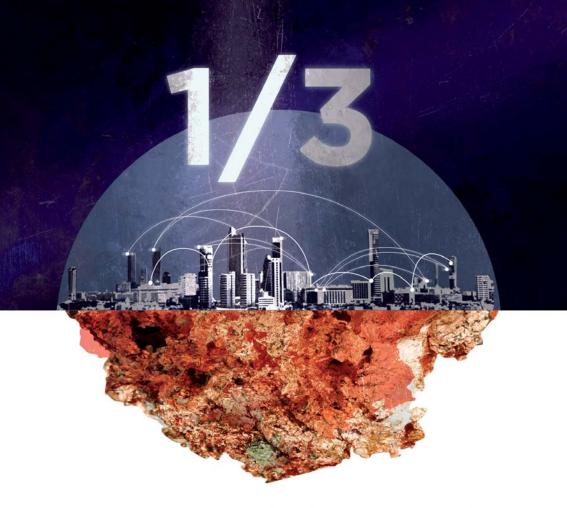
IT WAS ONCE THE WORLD LARGEST OPEN PIT MINE.





4,600 meters above sea level



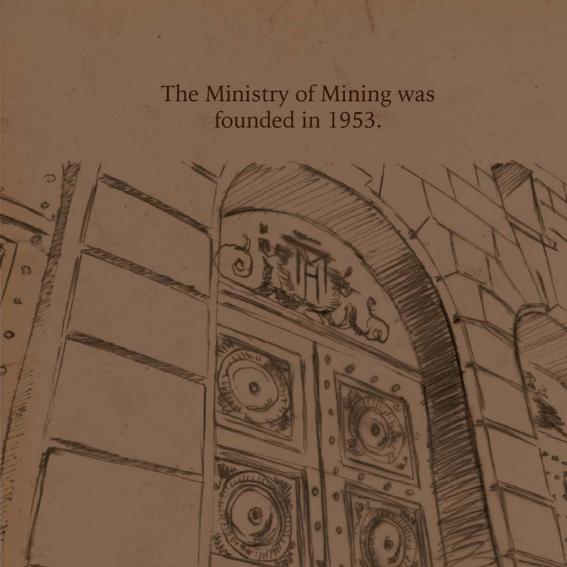


of the copper in the world has already been processed.



Copper pipes in buildings can last







San Lorenzo, patron saint of mining, is celebrated on August 10th.

Compromiso Minero is a network created in 2021 to work hand in hand with other organizations in order to promote knowledge, dialogue, innovation, gender equality, and sustainable development of the mining industry to increase and expand our contribution to Chile.

More than



organizations of the entire mining ecosystem are part of Compromiso Minero.



ONG's



Startups



Business associations



Centers



Providers

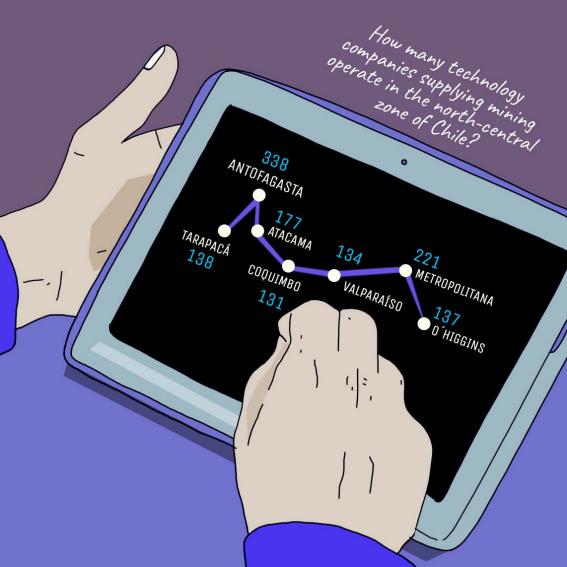


UNION WORKERS: OVER 70

A mining project in Chile has a tax burden of 38.4%, a similar level to that of benchmark countries.

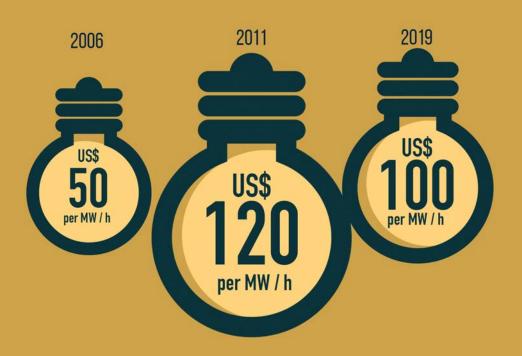




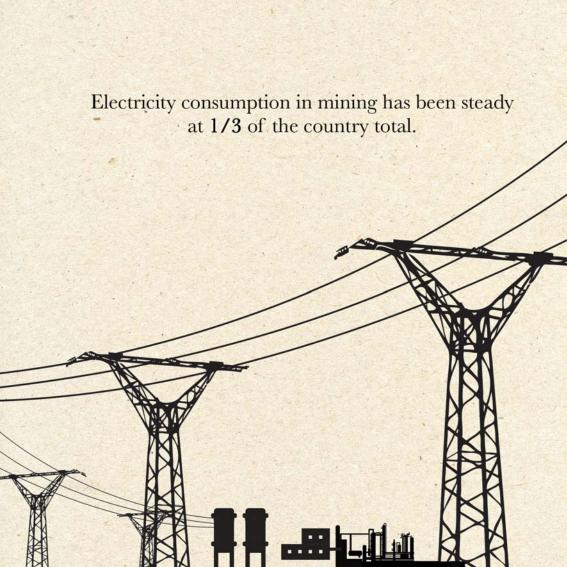




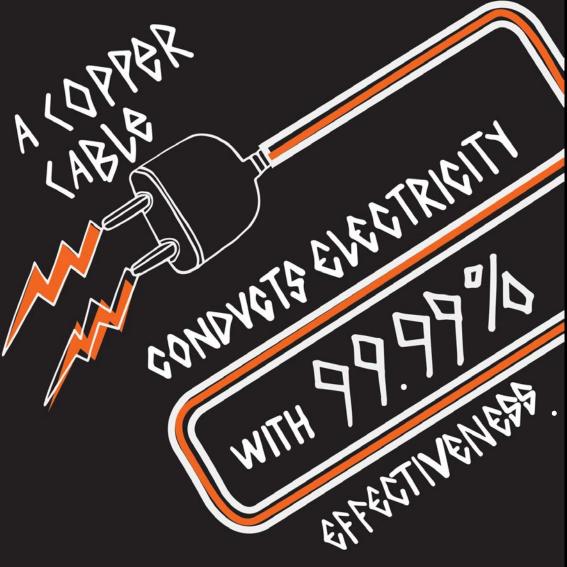




Evolution of electricity costs for the mining industry.

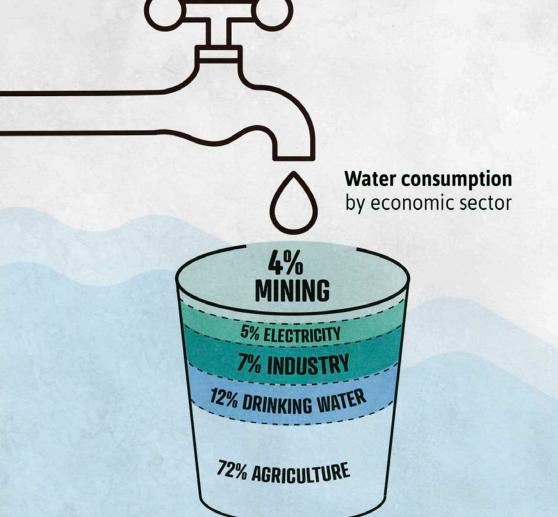




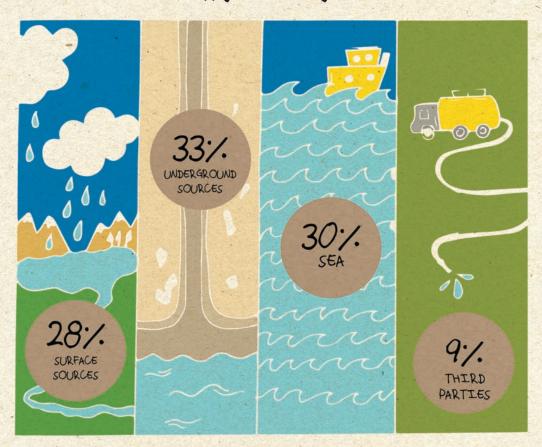


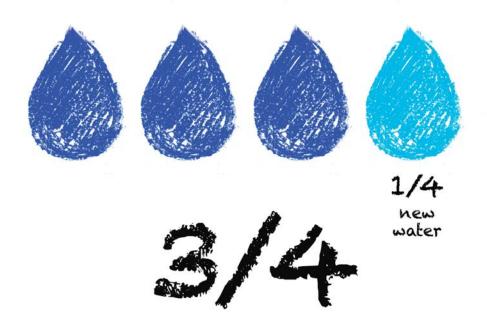


Copper carries up to 8 times more heat than other materials.



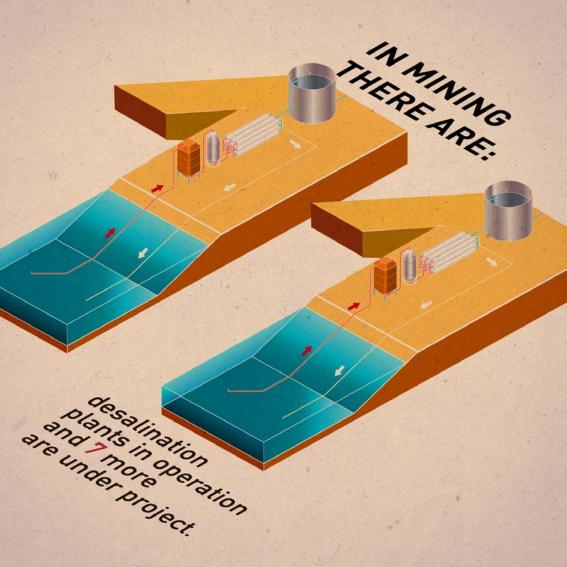
The water supply of mining comes from:

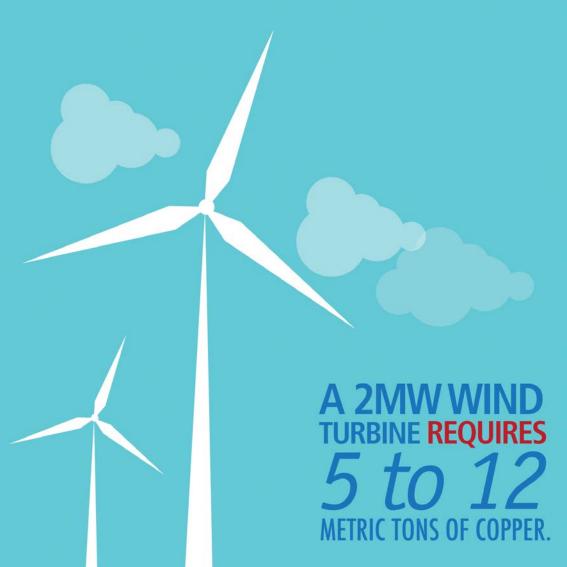


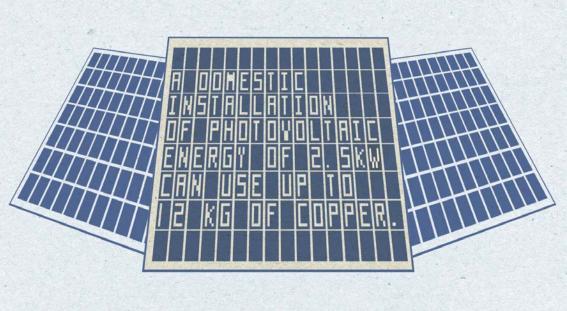


OF THE WATER USED IN MINING PROCESSES IS RECIRCULATED WATER.

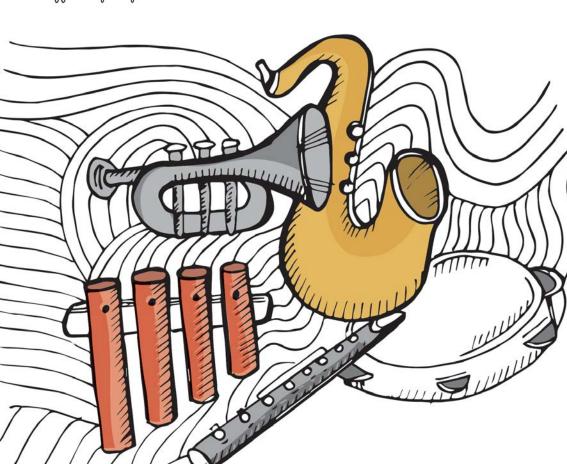








Most of the 80 instruments that make up a symphony orchestra use copper, brass and bronze as raw material to be elaborated, offering a great musical resonance.

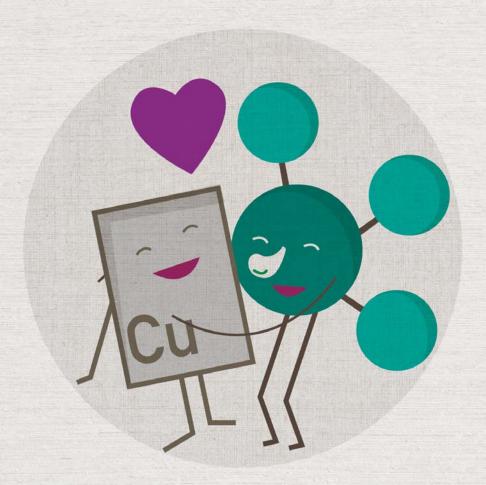


A modern house has 200 KG



twice as much as 40 years ago. We can find it in our toilets, electrical appliances, telephones, and computers.





There are at least 12 enzymes that need copper to perform their functions in the human body.

According to a study by the New England Journal of Medicine, the time that Coronavirus survives on different surfaces is:





Being antimicrobial, copper manages to reduce hospital infections by up to **58%.**

-190 9008

In Chile 3 hospitals have incorporated copper in their facilities to reduce infections.



The use of gold in catalytic converters helps reduce polluting emissions by 30%.



How much copper do we find in:

4.5 metric tons.

2% of a Boeing.

20 metric tons.

CONVENTIONAL & AUTOMOBILE

23 KG OF COPPER

CHILE

HYBRID AUTOMOBILE ≈40 KG OF COPPER

CHILE

ELECTRIC AUTOMOBILE

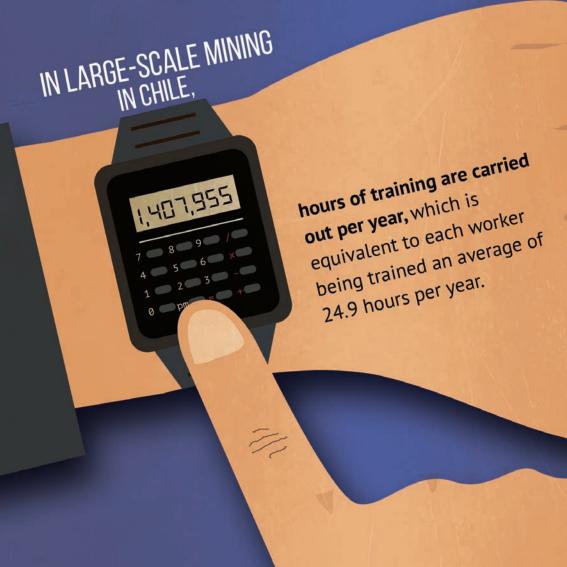
883

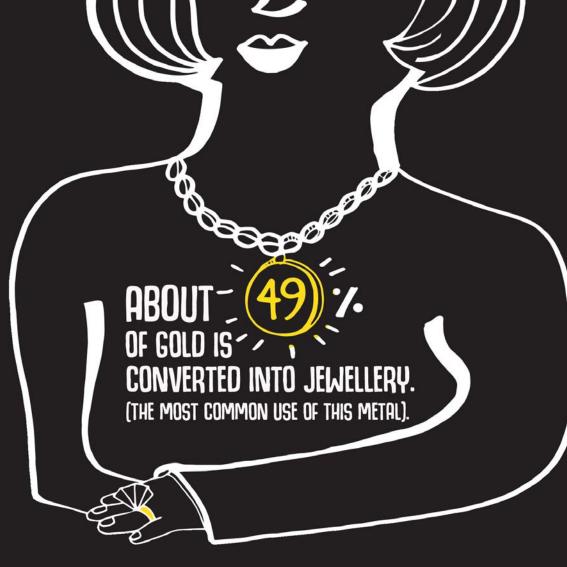
CHILE

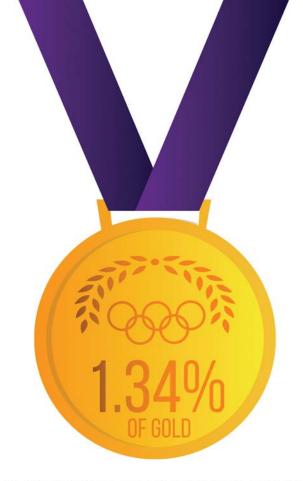
ELECTRIC 369

KG OF COPPER

CHILE







IS CONTAINED IN AN OLYMPIC MEDAL.



The figures in this book were obtained from the most recent information available at the time of its edition (March 2022). In cases where we considered that the most recent figure was not representative of the reality of the industry, the average of the last five available periods was used.



Which are part of the following 16 mining groups:



























lundin mining



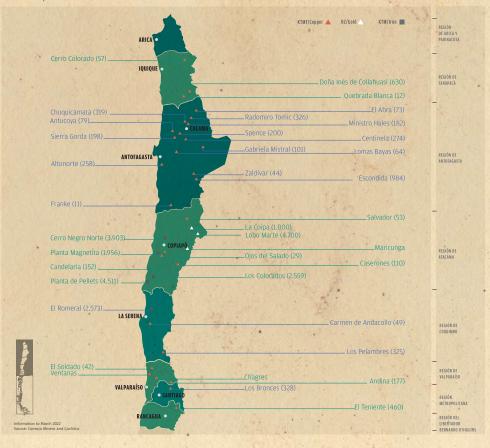


MAP OF LARGE-SCALE MINING IN CHILE



Information to March 2022 Source: Consejo Minero.

COPPER, GOLD AND IRON



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