



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

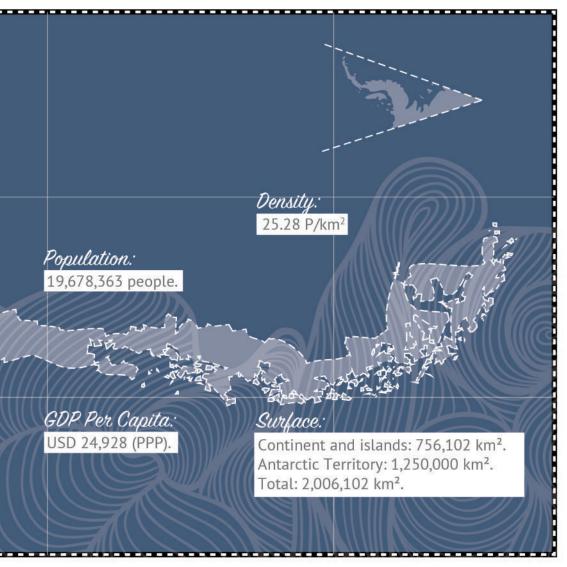










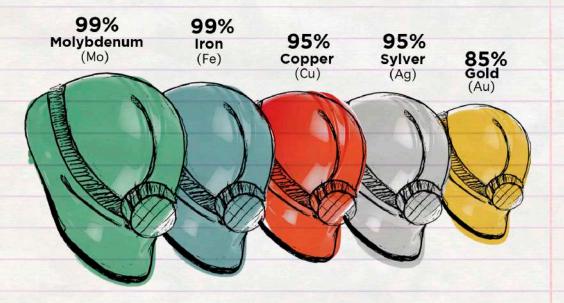


Large-scale mining takes place in 7 regions.





Participation of large companies in the Chilean mining production:



CHILE IS A LEADER

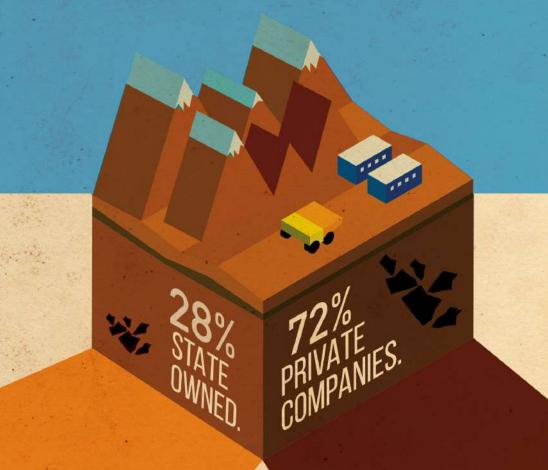


SHARE OF GLOBAL PRODUCTION



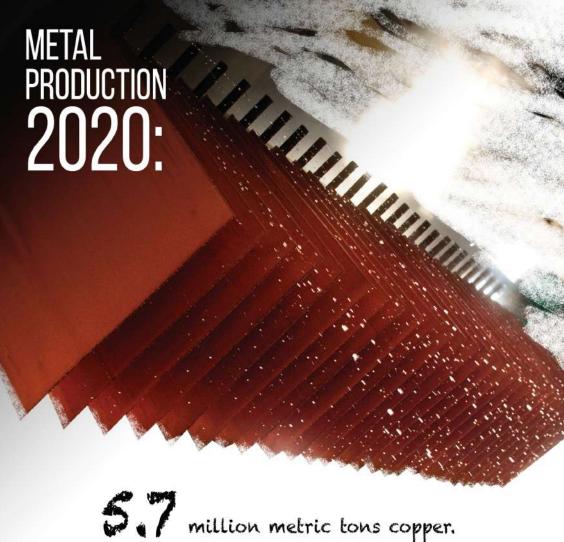
1% YAU

COPPER PRODUCTION IN CHILE:



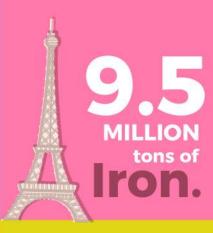
Copper extracted per ton of rock processed:





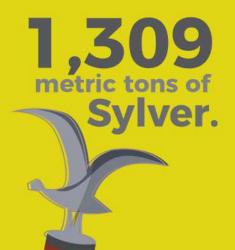
38.5 metric tons of GOLD.

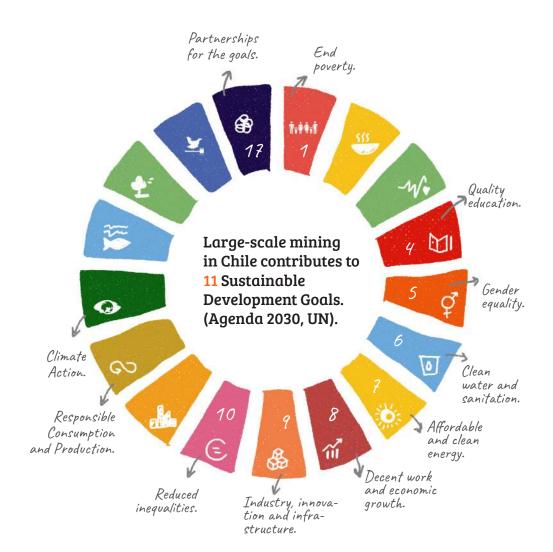




59,381

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.



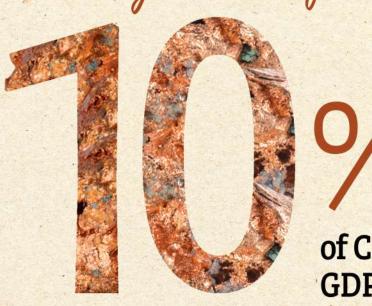
Disseminate the contribution of mining to the reduction of emissions, by producing metals that allow to generate, transmit and store electricity more efficiently.

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 accounts for

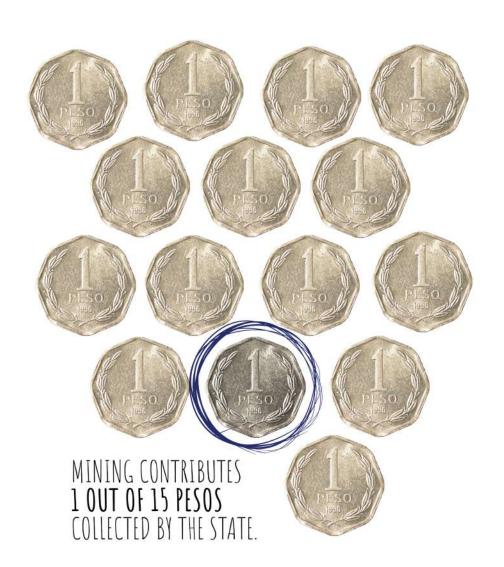


of Chile's GDP.

It contributes

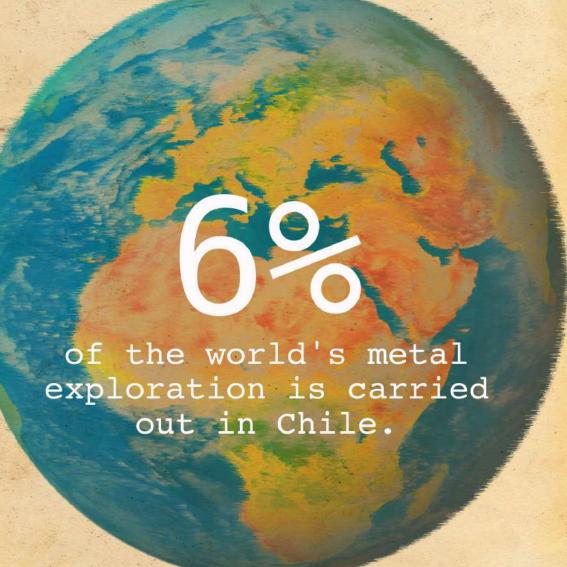
52%

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:

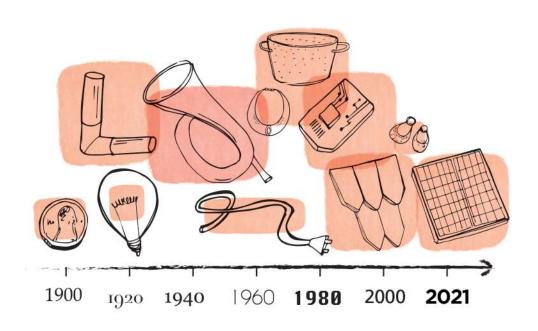


WW is the biggest consumer of:



29%





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

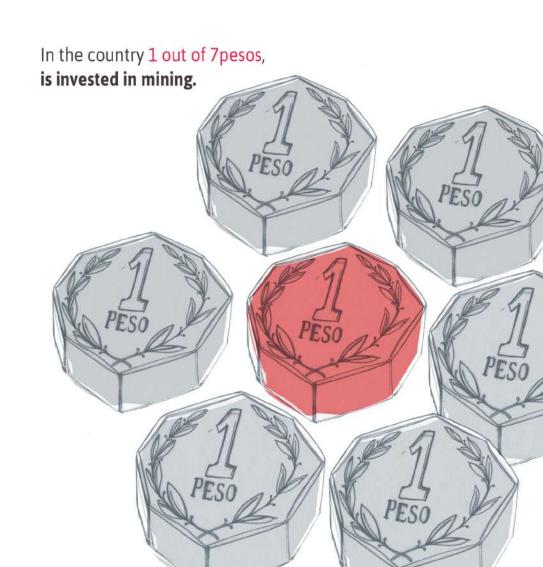
Mining generates

97%
of exports

lquique

Region Tarapacá.



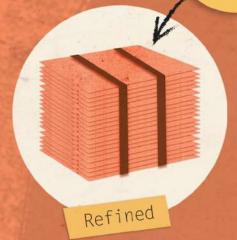


a big challenge

IF ALL MINING PROJECTS IN THE PIPELINE ARE IMPLEMENTED, THE ANNUAL PRODUCTION OF COPPER IN CHILE COULD INCREASE FROM 5.7 MILLION METRIC TONS IN 2020 TO MORE THAN 8 MILLION METRIC TONS AS OF 2026.

Chile exports copper in two ways

47%



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



has a purity of 30% copper.

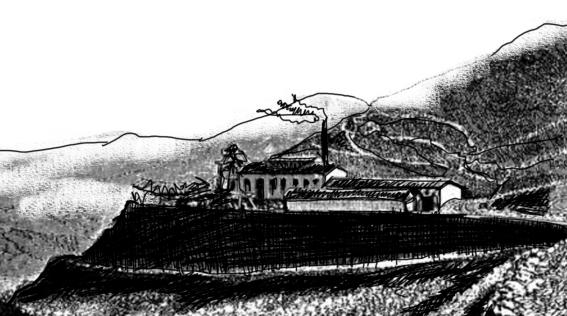
Mining products represent over

540/0

of exports.

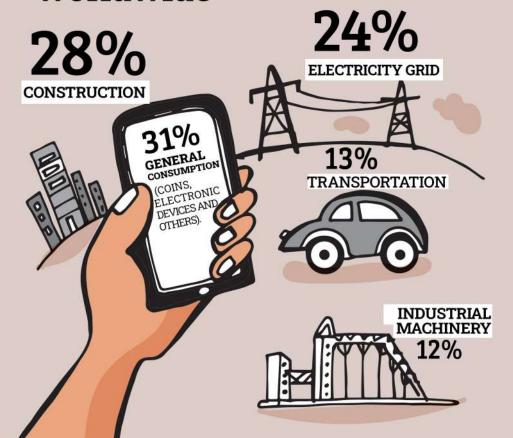


The discovery of Chañarcillo in 1832 produced an explosive growth in silver production.

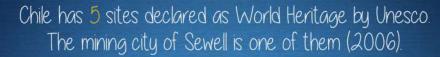


chile, year 2005 Histablishes A Specific Tex Over Mining Activity To this day, more than USD 9,000 million has Chilean Law "Royalty". already been raised.

Uses of copper worldwide







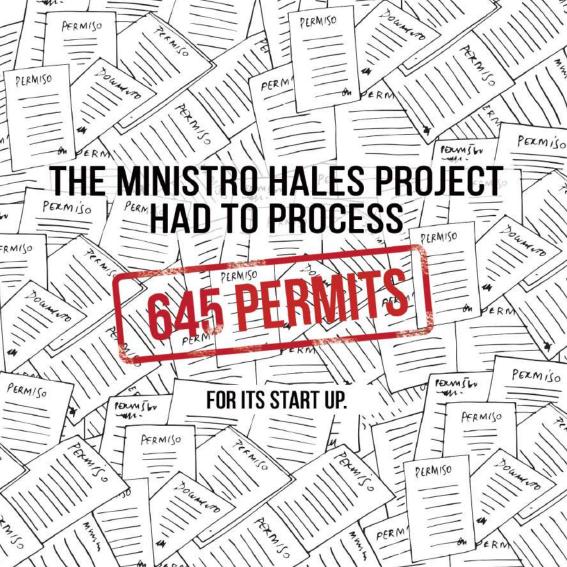




THAT COMES FROM "AURUM", A LATIN WORD
THAT MEANS "BRIGHT SUNRISE".

The development of a new mining project can easily take:





lauge-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).



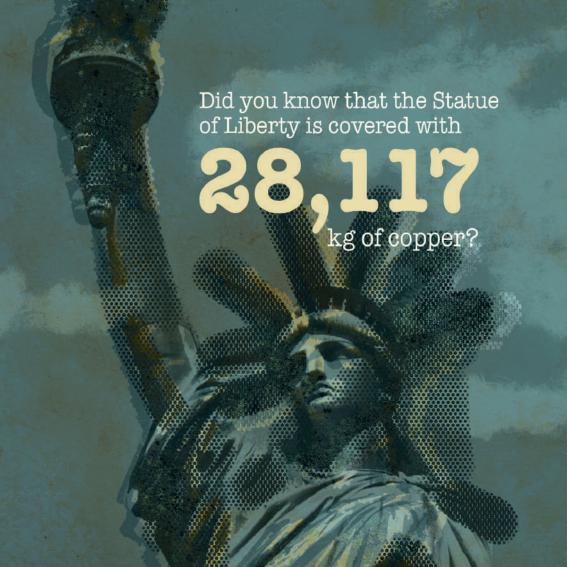
Salaries in the mining sector are 70% higher than the country average.



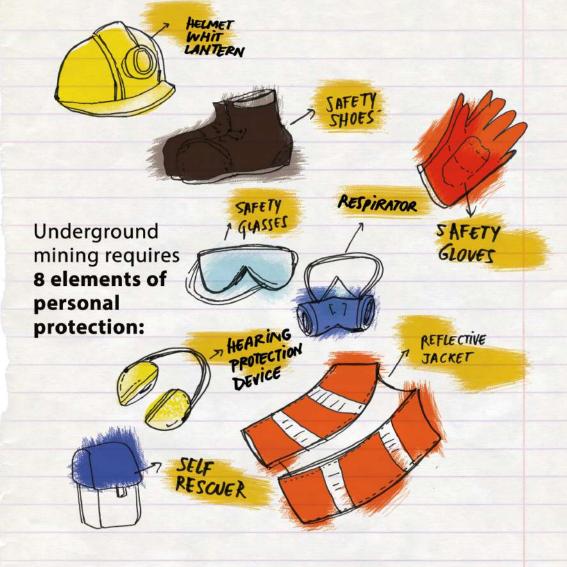


MINING DIRECT JOBS REPRESENT 3% OF THE COUNTRY'S EMPLOYMENT

BUT IT IS ESTIMATED THAT FOR EVERY DIRECT JOB. 2.55 INDIRECT JOBS ARE GENERATED. AS A WHOLE, MINING REPRESENTS 9% OF CHILE'S EMPLOYMENT.



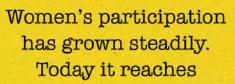






mining has the lowest accident rate per economic sector in the country.

1.0% v/s 2.2% (country average).

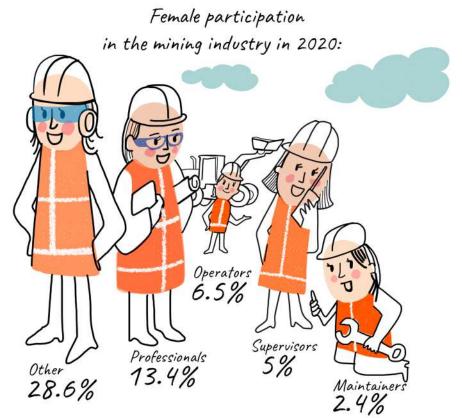


11.8%

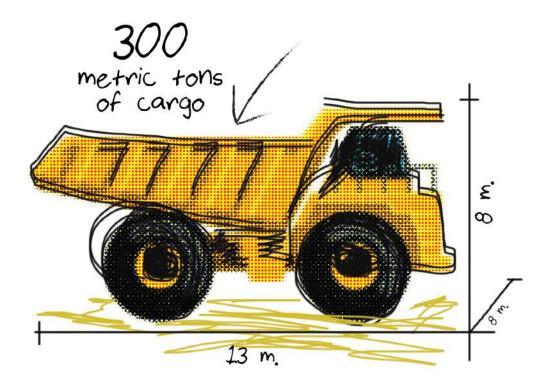
Source: Chilean Large-scale Mining Workforce Report (2021-2030), Mining Skills Council (CCM).

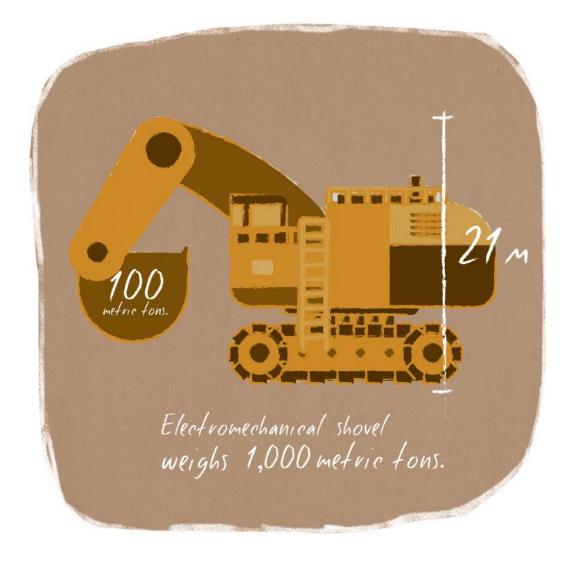


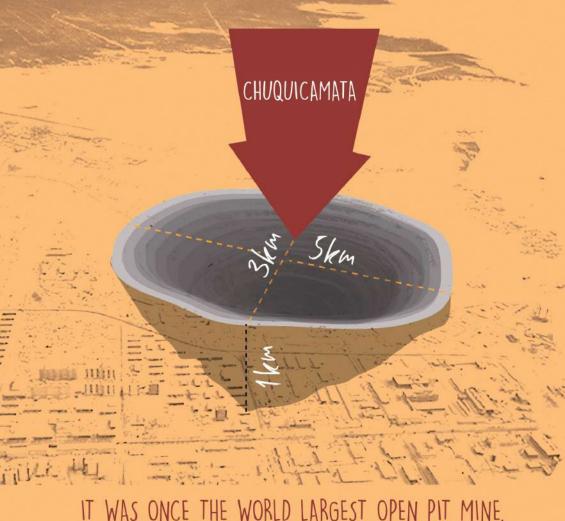




Source: Chilean Large-scale Mining Workforce Report (2021-2030), Mining Skills Council (CCM).

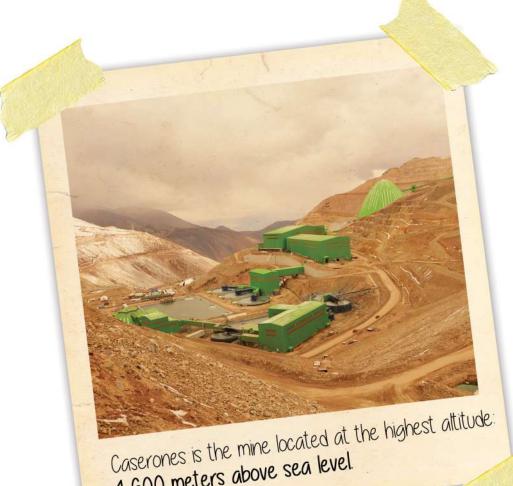




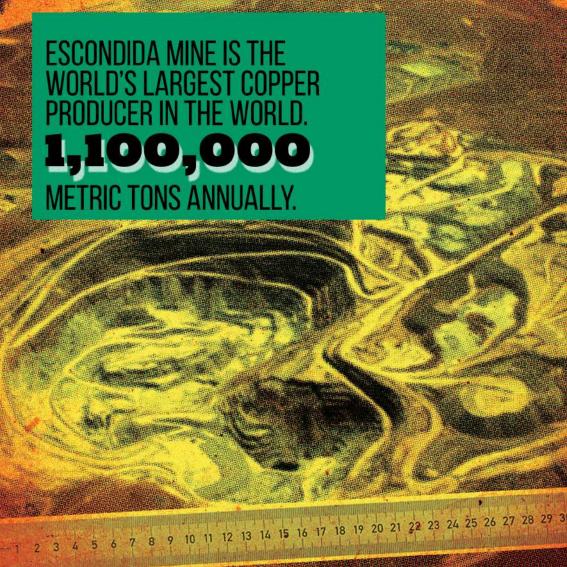


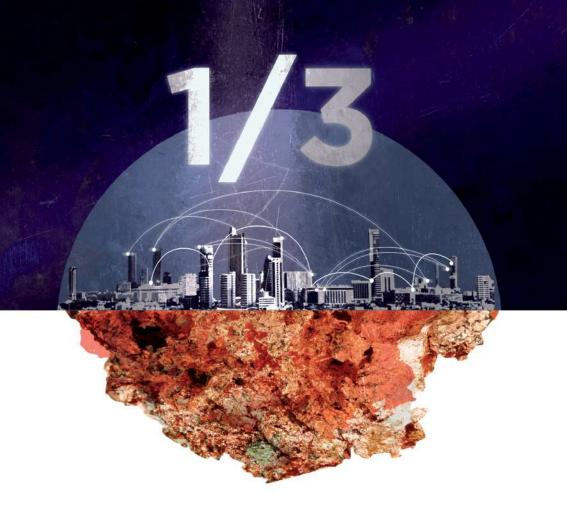
IT WAS ONCE THE WORLD LARGEST OPEN PIT MINE.





4,600 meters above sea level

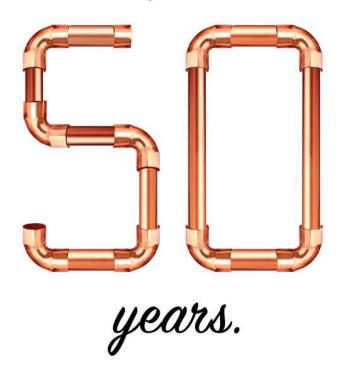


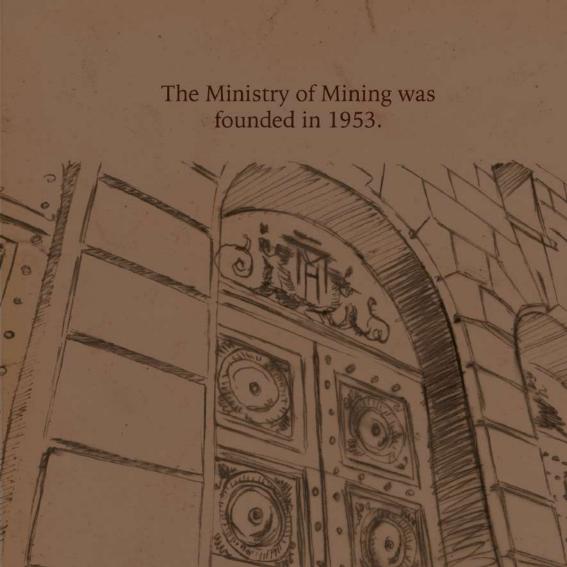


of the copper in the world has already been processed.



Copper pipes in buildings can last







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

/ Automation

Teleoperation

Within the next 7 years, it is expected that 100% of large mining operations will incorporate these technologies, especially in new operations.





UNION WORKERS: OVER 70

A mining project in Chile would have a tax burden between 39.1% and 44.5%, a similar level to that of benchmark countries.

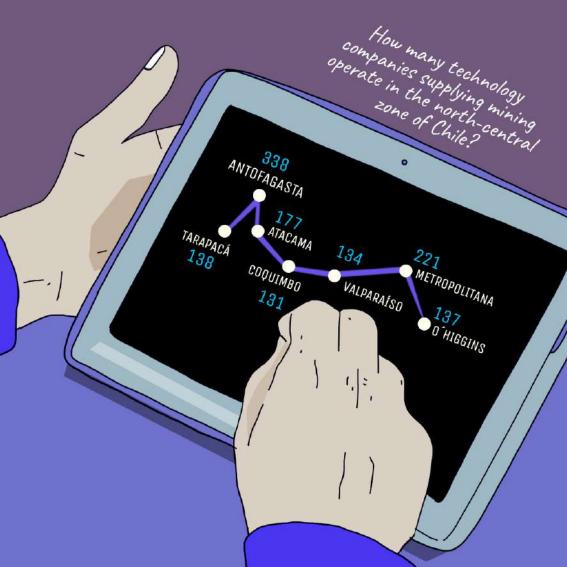


Canada





88.0.0





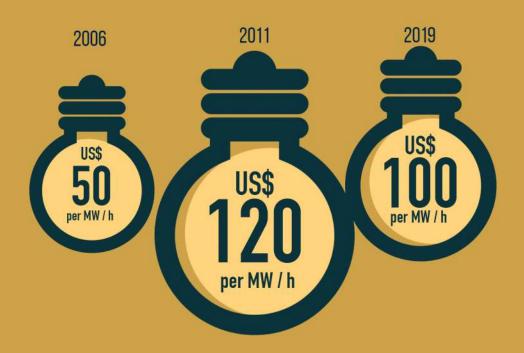


COPPER 15 A RECYCLABLE MINERAL 23.

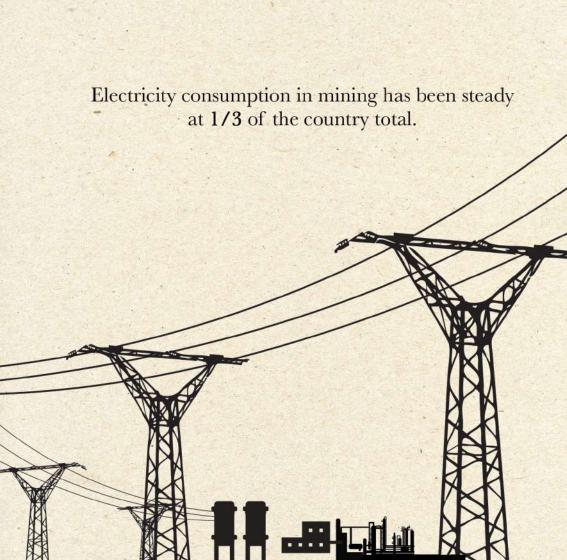


million
METRIC TONS OF
Copyles
are recycled
per year

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



Electrical energy cost for mining.

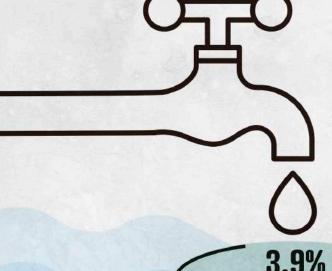




ALOPPER CONDICTS EVECTRICITY EFFECTIVE/VERF



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



Water consumption by economic sector



4.5% ELECTRICITY

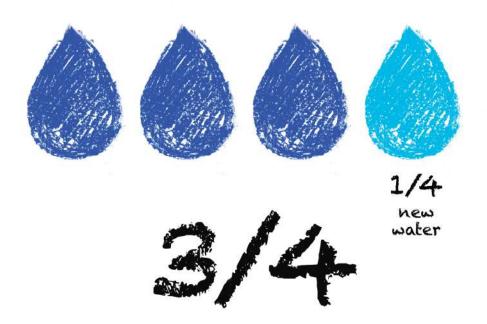
6.7% INDUSTRY

11.8% DRINKING WATER

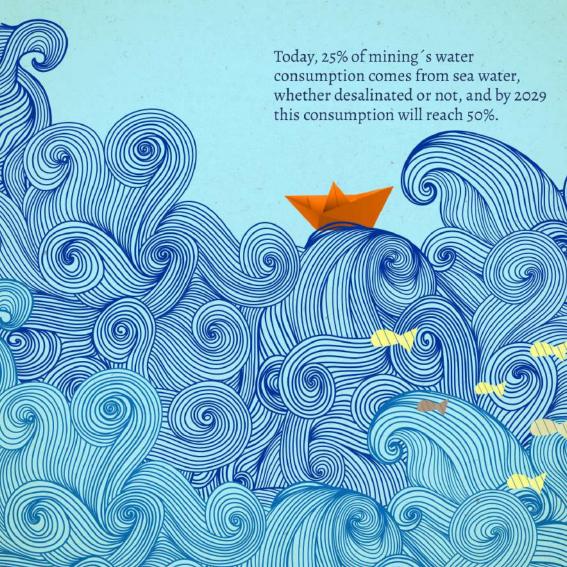
73.0% AGRICULTURE AND LIVESTOCK

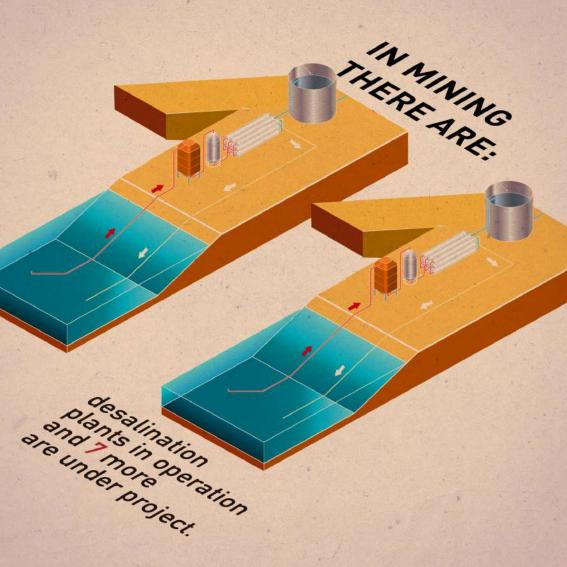
The water supply of mining comes from:

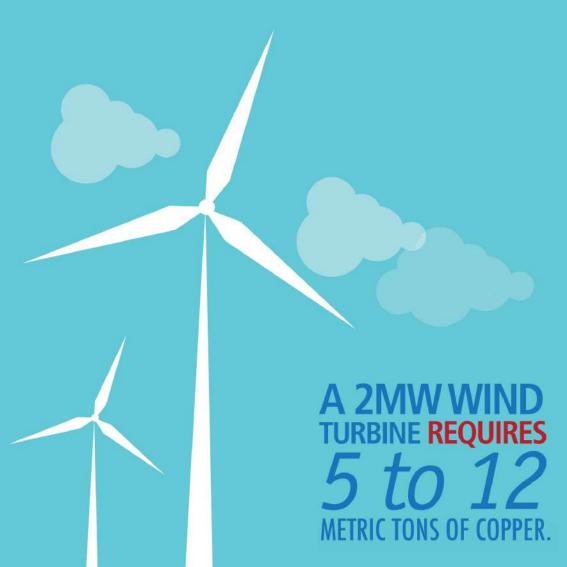


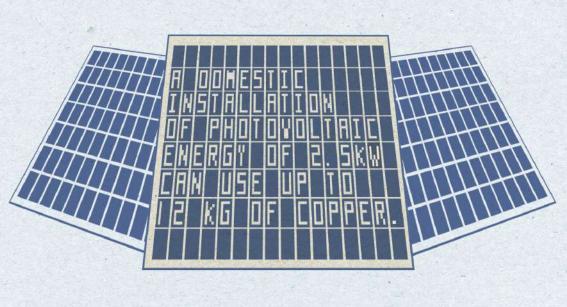


OF THE WATER USED IN MINING PROCESSES IS RECIRCULATED WATER.

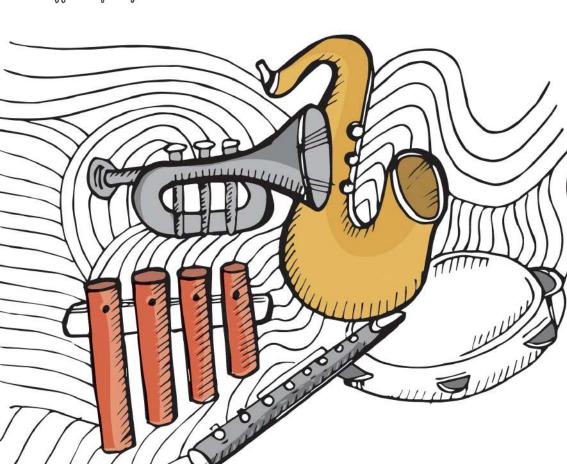








Most of the 80 instruments that make up a symphony orchestra use copper, brass and bronze as raw material to be elaborated, offering a great musical resonance.

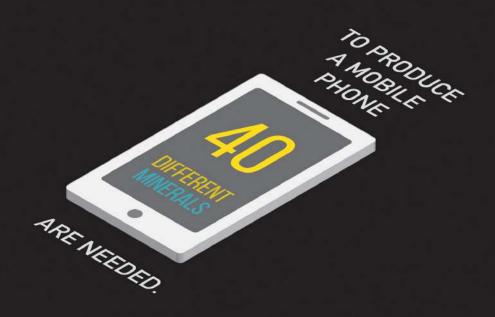


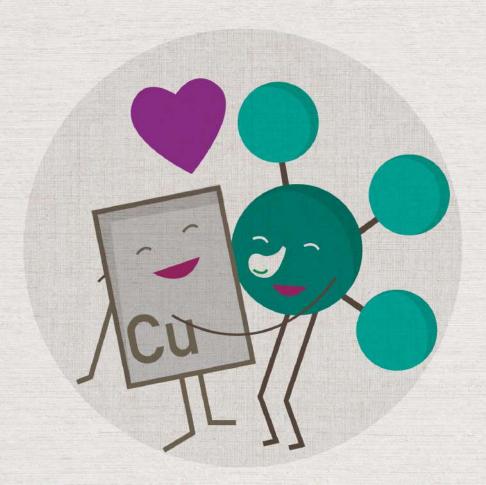
A modern house has 200 KG



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

Source: Codelco





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:





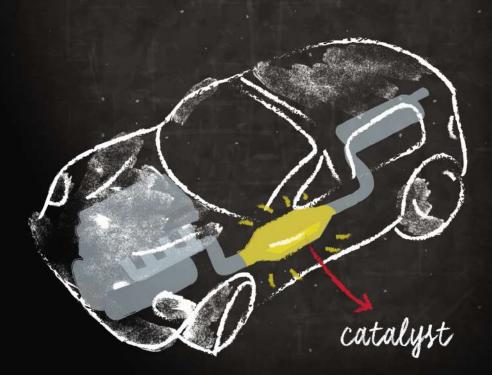
Being antimicrobial, copper manages to reduce hospital infections by up to **58%.**



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 the total of a Boeing

20 metric tons.

CONVENTIONAL & AUTOMOBILE

23 KG OF COPPER

CHILE

HYBRID AUTOMOBILE •40

KG OF COPPER

HILE

ELECTRIC AUTOMOBILE

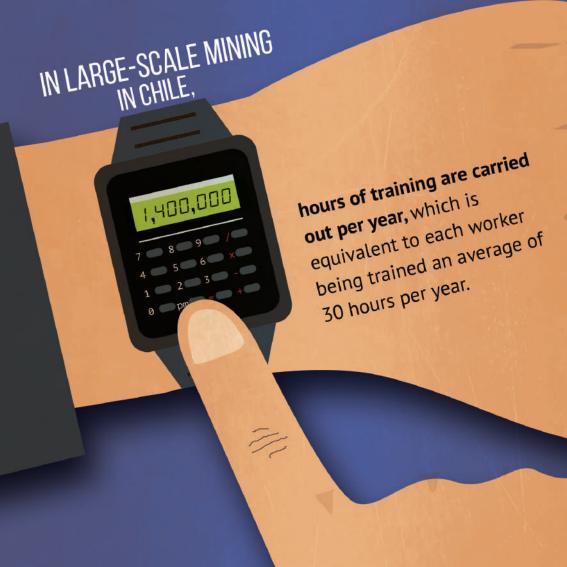
883

CHILE

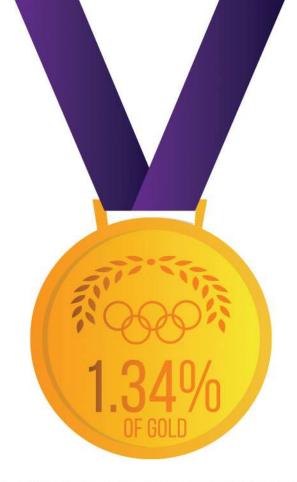
ELECTRIC 369

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 2021). 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:































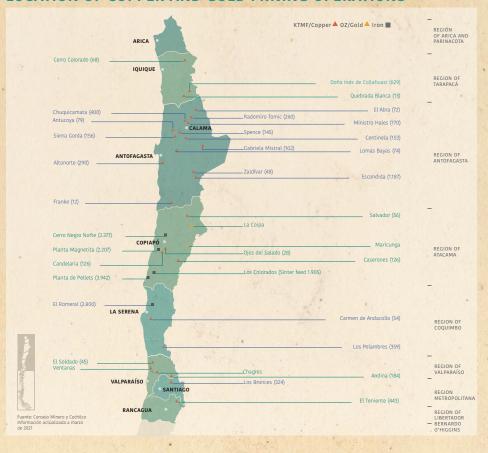


MAP OF LARGE-SCALE MINING IN CHILE



Information to March 2021 Source: Consejo Minero.

LOCATION OF COPPER AND GOLD MINING OPERATIONS



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Figures compiled from various sources.

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ISBN 978-956-8185-02-2

Edition closing date: March 2021

Acknowledgments to: Imagen de Chile, an expert institution in the management of the country brand.

Impression by Fyrma Gráfica





