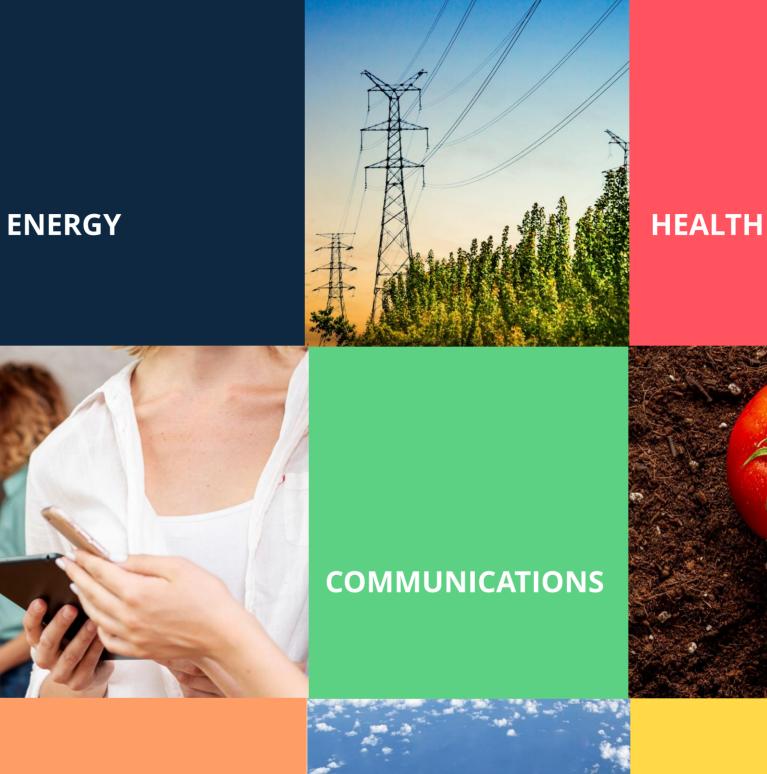


05 | 13 | 2025 TOWARDS NET ZEROIN CHILEAN MINIG JOAQUÍN VILLARINO **EXECUTIVE PRESIDENT CONSEJO MINERO** The Electric Mine 2025

ALMOST EVERY ASPECT OF MODERN LIFE REQUIRES MINERALS









TRANSPORT

MUSIC, ENTERTAINMENT & MANY OTHERS



ADDED TO THE TRADITIONAL DEMAND, THE ENERGY TRANSITION AND DIGITALIZATION ARE MINERAL-INTENSIVE.



ELECTRIC VEHICLES USE 4 TIMES MORE COPPER THAT GASOLINE CARS.

RENEWABLE ENERGIES REQUIERE **5** TIMES MORE COPPER THAN

CONVENTIONAL ONES.

A 3 MW ELECTRIC WIND TURBINE NEEDS **4.7** TONS OF COPPER

1 MW OF SOLAR-PANEL GENERATED ENERGY USES **5** TONS OF COPPER







GLOBAL COPPER & LITHIUM DEMAND



"A LOW-CARBON
FUTURE WILL NOT BE
POSSIBLE WITHOUT
MINERALS"

WORLD BANK, 2017





THE GREAT CHALLENGE FOR THE MINING SECTOR IS TO INCREASE PRODUCTION WHILE REDUCING ITS CARBON FOOTPRINT



CONSEJO

AND WHAT ARE WE DOING IN CHILE?





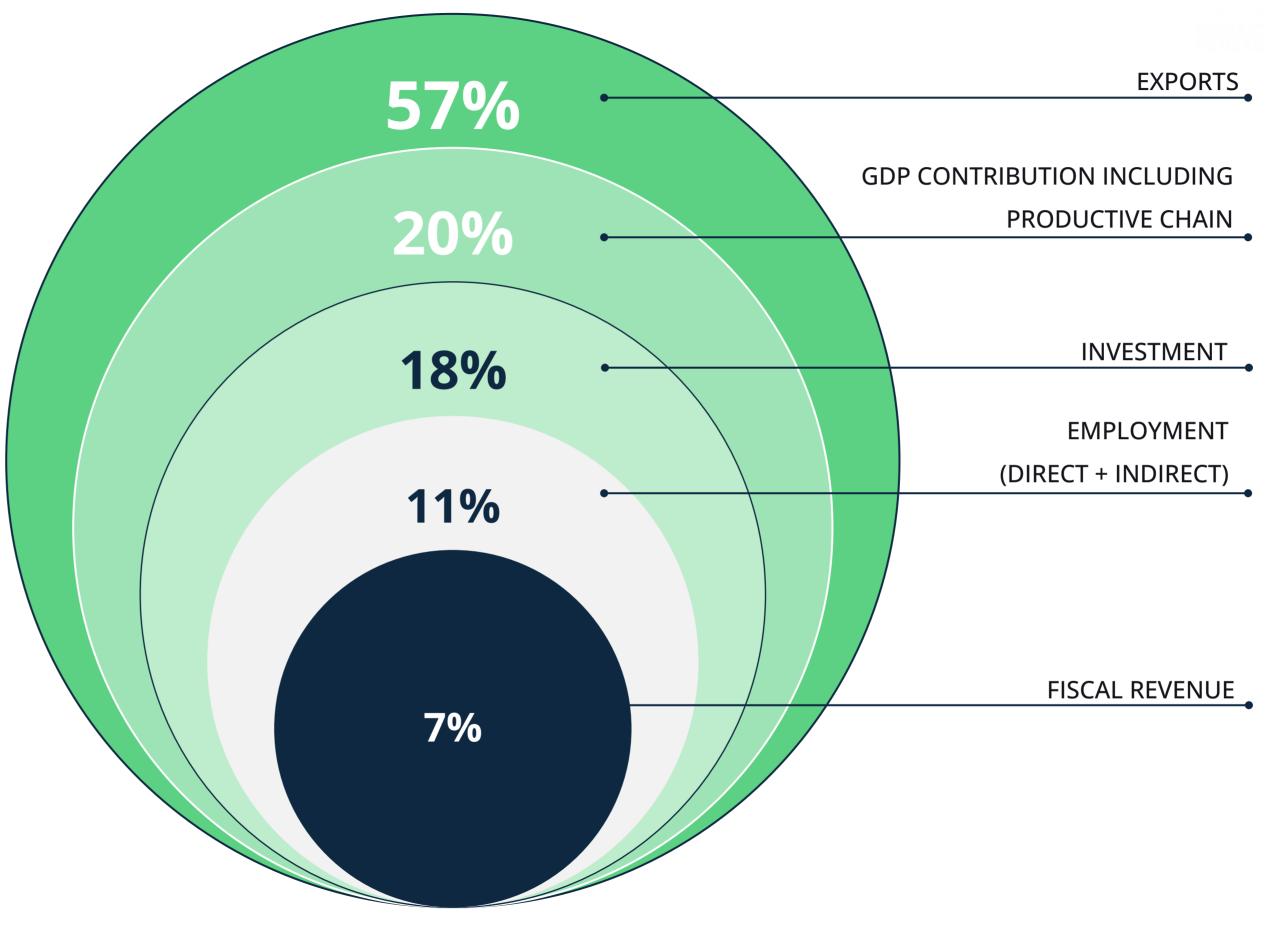


ECONOMIC IMPACT OF MINING IN CHILE

MINING IS A KEY INDUSTRY

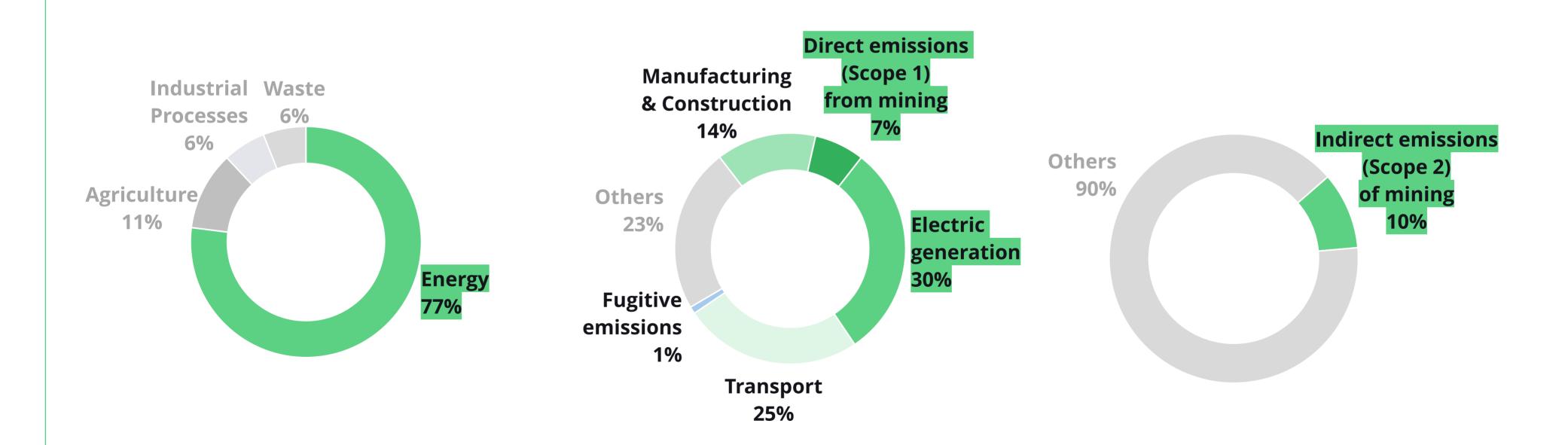
FOR OUR COUNTRY'S

DEVELOPMENT.





SECTORIAL PARTICIPATION IN CHILE'S GREENHOUSE GAS EMISSIONS







REDUCING DIRECT EMISSIONS

80% OF SCOPE 1 EMISSIONS COME FROM HAUL TRUCKS

The industry is working with developers of large mining equipment and haul trucks towards a technological change. However, this is under process, with no certainty on a time frame for massive implementation.

INNOVATION FOR CLEANER SAFER VEHICLES - ICMM

This international initiative led by the ICMM promotes the development of fuel replacement technologies, working with mining companies and suppliers.

PILOT PROJECTS

Mining companies are conducting pilot projects implementing the use of trolley systems for haul trucks, among others.



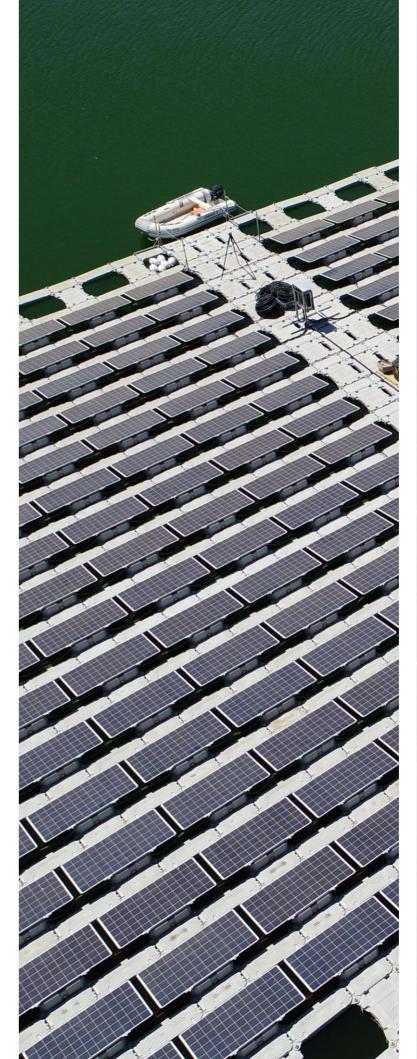
REDUCING INDIRECT EMISSIONS

RENEWABLE ENERGIES

- MINING HAS DRIVEN THE DEVELOPMENT OF RENEWABLE ENERGY SOURCES IN THE ELECTRICITY MATRIX, MAINLY BY SIGNING SUPPLY CONTRACTS THAT CONDITION THE USE OF CLEAN SOURCES.
- CURRENTLY, RENEWABLE ENERGIES ACCOUNT FOR 74% OF THE SUPPLY FOR LARGE-SCALE
 MINING IN CHILE, ACCORDING TO COCHILCO.
- THE NATIONAL MINING POLICY HAS A TARGET OF 90% OF RENEWABLES BY 2030.

ENERGY EFFICIENCY

- CONCRETE ACTIONS: AGREEMENT BETWEEN THE MINISTRY OF ENERGY AND CONSEJO
 MINERO (2014-2020) FOR IMPLEMENTING INTERNATIONAL STANDARDS ENERGY
 MANAGING SYSTEMS. THE CONCLUSION WAS THAT CHILE WAS ALIGNED WITH BENCHMARK
 MINING COUNTRIES.
- THIS EXPERIENCE LAID GROUNDWORK FOR THE ENERGY EFFICIENCY LAW OF FEBRUARY 2021,
 WITH SWIFT COMPLIANCE BY THE SECTOR.









THE COST OF ELECTRICITY IN CHILE

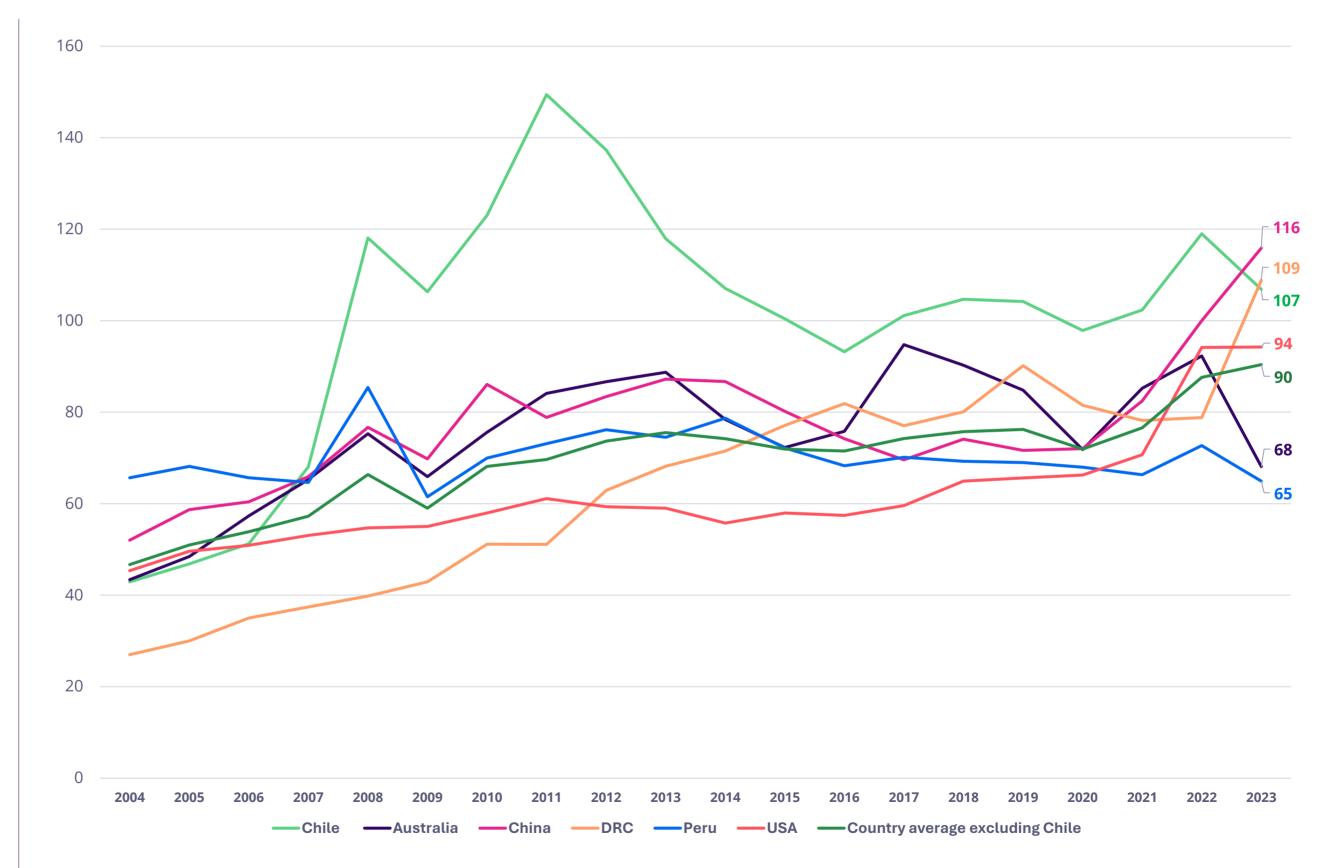
- ADVANCEMENTS IN ELECTRIFICATION WILL ALLOW THE MINING SECTOR TO MAKE SIGNIFICANT LEAPS IN TERMS OF DECARBONIZATION.
- HOWEVER, THE COST OF ELECTRICITY FOR MINING COMPANIES IN CHILE IS AMONG THE HIGHEST WHEN COMPARED TO ITS MAIN COMPETITORS.
- ELECTRICITY ACCOUNTS FOR 11% OF OPERATIONAL COSTS OF COPPER MINING.





THE COST OF ELECTRICITY IN CHILE







FINAL REMARKS

THE GREAT CHALLENGE FOR THE MINING SECTOR IS TO PRODUCE THE MINERALS THE WORLD NEEDS TO FIGHT CLIMATE CHANGE, WHILE AT THE SAME TIME REDUCING ITS OWN CARBON FOOTPRINT.

THE MINING INDUSTRY IS **COMMITTED TO REDUCING GHG EMISSIONS** IN ORDER TO ACHIEVE THE GOALS OF THE PARIS AGREEMENT.

BESIDES MEASURING ITS EMISSIONS AND COMMITTING TO REDUCTION TARGETS, THE MINING
SECTOR IS ADOPTING CONCRETE ACTIONS IN TERMS OF MITIGATION TO CLIMATE CHANGE, MAINLY
RELATED TO INCORPORATE RENEWABLE ENERGIES, ELECTRIFICACTION AND ACHIEVEING ENERGY
EFFICIENCY.

THE POLICYMAKERS CAN ENHANCE AND ACCELERATE THIS PROCESS BY ENSURING **COMPETITIVE** COST OF ELECTRICITY.



CONSEJO MINERO





































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