MINING, FACILITATING THE FUTURE

APRIL 20 - 24
SANTIAGO – CHILE

16th WORLD EXHIBITION AND CONGRESS
FOR LATIN AMERICAN MINING

www.expomin.cl
### CHILEAN MINING OVERVIEW

<table>
<thead>
<tr>
<th>Main Metals and Minerals</th>
<th>Volume</th>
<th>World Ranking</th>
<th>% World Participation</th>
<th>N° main operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mine Copper (Mton)</td>
<td>5.8</td>
<td>1º</td>
<td>28%</td>
<td>40</td>
</tr>
<tr>
<td>Molybdenum (kton)</td>
<td>60.7</td>
<td>2º</td>
<td>22.2%</td>
<td>10</td>
</tr>
<tr>
<td>Gold (ton)</td>
<td>37.1</td>
<td>20º</td>
<td>1.1%</td>
<td>10</td>
</tr>
<tr>
<td>Silver (ton)</td>
<td>1,370</td>
<td>5º</td>
<td>5.5%</td>
<td>12</td>
</tr>
<tr>
<td>Iron ore (Mton)</td>
<td>8.9</td>
<td>15º</td>
<td>0.6%</td>
<td>3</td>
</tr>
<tr>
<td>Natural Nitrates (kton)</td>
<td>950</td>
<td>1º</td>
<td>100%</td>
<td>3</td>
</tr>
<tr>
<td>Iodine (kton)</td>
<td>22.2</td>
<td>1º</td>
<td>62%</td>
<td>3</td>
</tr>
<tr>
<td>Lithium compounds (kton)</td>
<td>97.3</td>
<td>2º</td>
<td>30%</td>
<td>2</td>
</tr>
</tbody>
</table>

+ 7 copper smelters and 3 refining plants


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Chile Leader in metals that facilitate the future
Copper producers: local and global players operating in Chile

Source: FISA analysis using data from the Chilean Copper Commission.
CHILEAN MINING OVERVIEW


Source: FISA GL events using data of the Chilean Copper Commission, Mining Council A.G., Ministry of Mining Chile
A promising future for mining suppliers

CHILEAN MINING OVERVIEW

US$ 72 billion in investment (2019 – 2028)
(+10% vs 2018 - 2027)

- Copper: 91% of the total
- Antofagasta (27%), Atacama (22%)
- Codelco: 14% of the total
- 70% brownfield

31 copper projects
- 26 projects in pre and feasibility stage, environmental approval process, or under construction

MINING PROJECTS

+ US$ 20 billion in energy investment

Source: FISA analysis based on report “Inversión en la minería chilena – Cartera de proyectos 2019 -2028” by the Chilean Copper Commission, www.cochilco.cl
EXPOMIN has closely followed the growth of the Chilean copper mining industry.
Executive Committee

Strong support from the mining sector
Meeting point of the entire value chain of the mining industry

Sponsorships

Gold
YPF

Silver
CONFIPETROL

Official opening and lunch
metso

30 YEARS OF HISTORY

+127,000
SQM Exhibition

+5,000
Foreign visitors

+35
Participating countries

+13
Seminarios con 120 relatores

+2,500
Business Meetings

+70,000
Professional Visitors

USD 1,700
Millions in Business Projection in Expomin

USD +10 MILLIONS
Currency spending concept Business tourism in Chile
A large event
230,000 SQM gross surface | 127,000 SQM exhibition
# MINING, FACILITATING THE FUTURE

<table>
<thead>
<tr>
<th>MONDAY 20</th>
<th>TUESDAY 21</th>
<th>WEDNESDAY 22</th>
<th>THURSDAY 23</th>
<th>FRIDAY 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>am</td>
<td>CONGRESS OPENING</td>
<td>CHALLENGES IN PROJECT DEVELOPMENT</td>
<td>INNOVATION AND PRODUCTIVITY</td>
<td>DIGITAL TRANSFORMATION &amp; AUTOMATION</td>
</tr>
<tr>
<td></td>
<td>Francisco Costabal, VP Business Development &amp; Administration SA, Freeport McMoRan Inc.</td>
<td>Amparo Cornejo, VP Sustentabilidad y Asuntos Corp. TECK RESOURCES LIMITED</td>
<td>Alan Muchnik, Gerente Corporativo de Innovación y Energía ANTOFAGASTA MINERALS</td>
<td>Álvaro García, VP de Technology and Automation in Business Processes CODELCO</td>
</tr>
<tr>
<td>pm</td>
<td>MINING IN THE AMERICAS</td>
<td>LOGISTIC</td>
<td>INCLUSION AND DIVERSITY</td>
<td>AGREGAR VALOR A LOS RESIDUOS MINEROS</td>
</tr>
<tr>
<td></td>
<td>Diego Hernández, President SONAMI</td>
<td>Pascual Veiga, President APRIMIN</td>
<td>Laila Ellis, VP Health, Safety &amp; Environment, BHP</td>
<td>Iván Valenzuela, General Manager, ECOMETALES LIMITED</td>
</tr>
</tbody>
</table>

## TECHNOCOLOGICAL EVENTS:

<table>
<thead>
<tr>
<th>Topics</th>
<th>Partners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Technologies for Water Management</td>
<td>Solenis Especialidades Quimicas Ltda.</td>
</tr>
<tr>
<td>Energy &amp; Electro movility</td>
<td>Engie (tbc)</td>
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<tr>
<td>Hydrometallurgy</td>
<td>BASF</td>
</tr>
<tr>
<td>Lithium &amp; Cobalt</td>
<td>Chilean Cobalt Corp</td>
</tr>
<tr>
<td>Environment &amp; Mining Risks</td>
<td>Sernageomin (National Service of Mining and Geology)</td>
</tr>
</tbody>
</table>
**A HIGH LEVEL MEETING POINT**

**PROCUREMENT AREAS FROM MINING COMPANIES AND TECHNOLOGICAL SUPPLIERS WILL:**

- Present their operations / projects; supply process and sourcing plans
- Meet EXPOMIN exhibitors during all the show in their booths in this area

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday 20</th>
<th>Tuesday 21</th>
<th>Wednesday 22</th>
<th>Thursday 23</th>
<th>Friday 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>am</td>
<td>OPENING EXPOMIN 2020</td>
<td>Cochilco: Chile Project portfolio, Cochilco</td>
<td>BHP</td>
<td>ENEL • FLUOR • RITCHIE BROS • CORP. ALTA LEY</td>
<td>COLLAHUASI • ECOMETALES LTD • ANGLOAMERICAN (tbc) • ALTONORTE SMELTER GLENCORE (tbc)</td>
</tr>
<tr>
<td>pm</td>
<td>FREEPORT McMoRan - Corporate - Minera El Abra</td>
<td>TECK LUNDIN MINING (tbc)</td>
<td>ANTOFAGASTA MINERALS - Operaciones - Proyectos</td>
<td>CODELCO</td>
<td></td>
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<td>TUESDAY 21</td>
<td>WEDNESDAY 22</td>
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<tr>
<td>5° Meeting of High School Students</td>
<td>4° Latin American Meeting of Students from Mining Universities</td>
<td>4° Meeting of Students from Technical / Industrial Schools</td>
<td>3° Workshop of Professors from Technical / Professional Schools</td>
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</tr>
</tbody>
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COMMITTEE
- MINISTERIO DE MINERÍA
- SOCIEDAD NACIONAL DE MINERÍA
- CONSEJO MINERO
- APRIMIN
- IIMCH
- FREEPORT MCMORAN
- CODELCO
- CORPORACIÓN ALTA LEY
- FUNDACIÓN CHILE
- UNIVERSIDAD CATÓLICA
- UNIVERSIDAD DE CHILE (AMTC)
- UNIVERSIDAD CENTRAL
- UNIVERSIDAD SANTO TOMÁS
Potential Exhibitors:

Entrepreneurs, pymes, startups and local innovators in the mining or related sector

Technology centers and programs

Institutions, incubators or companies that focus on /or support entrepreneurship and innovation
OPPORTUNITIES | MINING, FACILITATING THE FUTURE

INCLUSION AND DIVERSITY

Environment and Projects
Working opportunities
Emissions reduction

Transition from oxides to sulfides
Lower Mineral Grade
Complex minerals

HARDER ROCK
Woman & Mining

Open pit to underground mining
Automation
Tailings

Sea water
Digital transformation

Deeper Mining
Greener mining

Electromobility
Remote Control of operations

Electricity
solar & wind

Sustainability
Climate change

Lithium & Cobalt
Costs saving

SMART MINING

Traceability

COMMUNITIES

CLIENT & MARKET

Innovation of processes and services

Adding Value