Methodology for Regional allegation collection & analysis on the Transition Minerals Tracker

The Transition Minerals Tracker (Tracker) captures publicly reported allegations of environmental and human rights abuses against companies mining one or more of the following six minerals: cobalt, copper, lithium, manganese, nickel and zinc.

Regional Deep Dives South America

While the global data analysis explores companies who make up a majority market share in each commodity, the regional deep dives for South America, Southern Africa, Pacific Islands and Central America & Mexico, looks at the top 5 producers in each region of each commodity. Not all regions included all minerals, as some were not produced in sufficient quantities to be significant. The companies are recorded by parent company or joint venture. The list of all companies researched in every region is below. Our full research methodology can be found here.

South America

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Company</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>Codelco - Chile</td>
<td>Chile</td>
</tr>
<tr>
<td>Copper</td>
<td>BHP - Chile, Peru</td>
<td>Peru</td>
</tr>
<tr>
<td>Copper</td>
<td>Glencore - Chile, Peru</td>
<td>Peru</td>
</tr>
<tr>
<td>Copper</td>
<td>Anglo-American - Chile, Peru</td>
<td>Peru</td>
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<tr>
<td>Copper</td>
<td>Antofagasta - Chile</td>
<td>Chile</td>
</tr>
<tr>
<td>Cobalt</td>
<td>N/A</td>
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<tr>
<td>Nickel</td>
<td>Vale - Brazil</td>
<td>Brazil</td>
</tr>
<tr>
<td>Nickel</td>
<td>Anglo-American - Brazil</td>
<td>Brazil</td>
</tr>
<tr>
<td>Nickel</td>
<td>BHP - Colombia</td>
<td>Colombia</td>
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<tr>
<td>Nickel</td>
<td>Lara Exploration - Brazil</td>
<td>Brazil</td>
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<tr>
<td>Zinc</td>
<td>Glencore - Peru, Argentina; Bolivia</td>
<td>Peru, Bolivia</td>
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<tr>
<td>Zinc</td>
<td>BHP - Peru</td>
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<tr>
<td>Zinc</td>
<td>Nexa Resources - Peru, Brazil</td>
<td>Peru</td>
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<tr>
<td>Zinc</td>
<td>Sumitomo Corporation - Bolivia</td>
<td>Bolivia</td>
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<tr>
<td>Zinc</td>
<td>Trevali Mining</td>
<td>Peru</td>
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<tr>
<td>Lithium</td>
<td>Jiangxi Ganfeng Lithium – Argentina</td>
<td>Argentina</td>
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<td>Sociedad Quimica y Minera de Chile (SQM) - Chile</td>
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<td>Lithium</td>
<td>Livent - Chile</td>
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<td>Albemarle - Chile</td>
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<td>Jujuy Energia y Minería Sociedad del Estado (JEMSE) - Argentina</td>
<td>Argentina</td>
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<tr>
<td>Manganese</td>
<td>Vale - Brazil</td>
<td>Brazil</td>
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<tr>
<td>Country</td>
<td>Companys</td>
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<tr>
<td>Brazil</td>
<td>Mineracao Buritirama</td>
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<td>Corporación Minera de Bolivia (COMIBOL)</td>
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<td></td>
<td>Cancana Resources</td>
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</tbody>
</table>

**Southern Africa**

**Copper**
- Glencore - DRC
- First Quantum Minerals - Zambia
- China Minmetals (MMG) - DRC
- ENRC (part of Eurasian Resources Group) - DRC
- Ivanhoe - DRC

**Cobalt**
- Glencore - DRC
- China Molybdenum - DRC
- Gecamines - DRC
- Ivanhoe - DRC
- Shalina Resource - DRC

**Nickel**
- Nornickel - South Africa
- Jinchuan Intl - Zambia
- Trevali Mining - Namibia
- Vedanta Resources - South Africa
- Sibanye Stillwater - South Africa

**Zinc**
- Vedanta Resources - South Africa, Namibia
- Trevali Mining - Namibia

**Lithium**
- Bikita Minerals - Zimbabwe

**Manganese**
- South32 - South Africa
- Jupiter Mines - South Africa
- MN Holdings - South Africa
- Kalahari Resources (Kalagadi Manganese) - South Africa
- Assmang Proprietary Ltd - South Africa

**Mexico and Central America**

**Copper**
- First Quantum - Mexico, Panama
- Grupo Mexico - Mexico
- Capstone Mining (Cozamin) - Mexico
- Teck/ Goldcorp - Mexico

**Cobalt**
- N/A

**Nickel**
- Fénix (Compañía Guatemalteca de Níquel) - Guatemala
- Hudbay Minerals - Guatemala
### Zinc
- Industrias Penoles - Mexico
- Newmont Goldcorp - Mexico
- Telson Mining - Mexico
- Pan American (Escobal) - Guatemala

### Lithium
- N/A

### Manganese
- Compania Minera Autlan - Mexico

### Pacific Islands
#### Copper
- Mitsubishi Materials Corp - Fiji
- Bougainville Copper Ltd (Rio Tinto) - Papua New Guinea
- Wafi-Golpa - Papua New Guinea

#### Cobalt
- Vale - New Caledonia

#### Nickel
- Vale - New Caledonia
- Ramu-Nickel - Papua New Guinea

#### Zinc
- N/A

#### Lithium
- N/A

#### Manganese
- N/A