

Mining & Metals Sector

2019 Report – Key Findings



203 companies in the sector

Vigeo Eiris Basic Resources cluster

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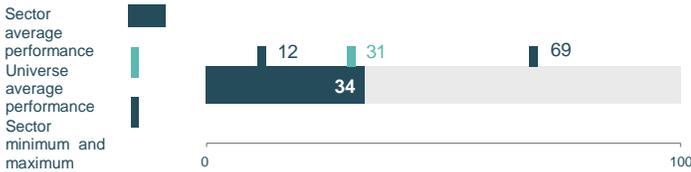
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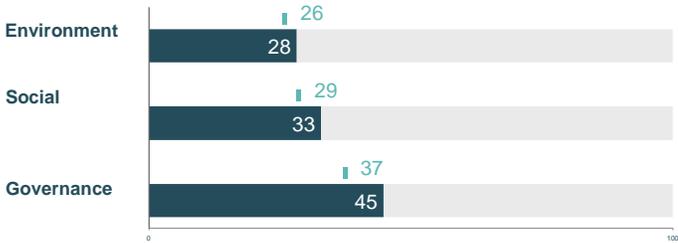
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Key Findings 2019 – Mining & Metals sector



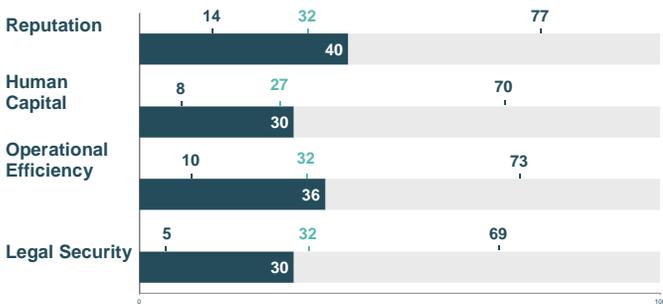
ESG PERFORMANCES – Sector & Universe



DOMAIN PERFORMANCES – Sector & Universe



RISK MITIGATION – Sector & Universe



TAKEAWAYS

- ▶ Climate Change: weak performances on energy transition.
- ▶ Investors and stakeholders put pressure on mining companies to improve disclosure on tailing dam safety practices.
- ▶ Controversies affecting the sector put social license to operate at risk.
- ▶ 'Green mineral' demand creates Responsible Sourcing challenges.
- ▶ Improving performance on Health and Safety of employees.
- ▶ Leadership in ESG integration into Governance Practices.

TOP PERFORMERS

- Europe: Norsk Hydro (69/100)
- North America: Teck Resources (58/100)
- Asia Pacific: BHP Group (Australia) ; Rio Tinto (Australia) (54/100)
- Emerging Markets: Gold Fields (55/100)

MOST IMPROVED since 2018

- Europe: Eramet (+18)
- North America: No progress
- Asia Pacific: Daido Steel Company (+12)
- Emerging Markets: Votorantim (+3)

MOST MATERIAL DRIVERS

ADVANCED (60-100)	
ROBUST (50-59)	<ul style="list-style-type: none"> • Board of Directors
LIMITED (30-49)	<ul style="list-style-type: none"> • Environmental strategy • Corruption • Social and economic development • Fundamental human rights • Health and safety • Biodiversity • Fundamental labour rights
WEAK (0-29)	<ul style="list-style-type: none"> • Energy • Water • Local pollution • Waste • Atmospheric emissions

CARBON FOOTPRINT

Share of companies in each level of carbon footprint



ENERGY TRANSITION

Share of companies in each level of energy transition performance



SUSTAINABLE GOODS & SERVICES

Share of companies in each level of involvement in goods and services contributing to sustainable development



CONTROVERSIES RISK MITIGATION

Share of companies in each performance level in terms of controversy risk management



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About this document

This document is an extract of the Vigeo Eiris 2019 Report on the Mining & Metals General sector.

The full report contains:

- More detailed information on performances and impacts highlighted here (data for each zone, historical evolution on 3 years of global performance and on each criterion, top performers on each domain, etc.)
- Detailed description of each takeaway on risks and opportunities
- The overview of methodological framework applied to the sector (weights of criteria, nature of stakeholders' expectations and their vulnerability on each topic).
- Detailed description of the methodology of all Vigeo Eiris research lines.

If you are interested in knowing more, please contact our customer services team at: investorcustomer.service@vigeo-eiris.com.

About Vigeo Eiris

Vigeo Eiris is an independent international provider of environmental, social and governance (ESG) research and services for investors and public & private organisations. We undertake risk assessments and evaluate the level of integration of sustainability factors within the strategy and operations of organisations.

Vigeo Eiris offers a wide range of services:

- For investors: decision-making support covering all sustainable and ethical investment approaches (including ratings, databases, sector analyses, portfolio analyses, structured products, indices and more)
- For companies & organisations: supporting the integration of ESG criteria into business functions and strategic operations (including sustainable bonds, corporate ratings, CSR evaluations and more).

Vigeo Eiris obtained ISO 9001: 2015 certification for its processes relating to methodology, rating, sale and delivery of its data to all types of investors.

Vigeo Eiris methodology and rating services adhere to the highest quality standards. With a team of more than 240 experts of 28 different nationalities, Vigeo Eiris is present in Paris, London, Brussels, Casablanca, Hong Kong, Milan, Montreal, New York, Rabat and Santiago. The Vigeo Eiris Global Network, comprising 4 exclusive research partners, is present in Brazil, Germany, Israel and Japan. For more information: www.vigeo-eiris.com

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